















SIXTH ANNUAL REPORT

OF THE

COMMISSIONER OF LABOR.

1890.

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COST OF PRODUCTION: IRON, STEEL, COAL, ETC.

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## MESSAGE OF THE PRESIDENT.

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*To the Senate and House of Representatives :*

I transmit herewith the Sixth Annual Report of the Commissioner of Labor. This report relates to the cost of producing iron and steel, and the materials of which iron is made, in the United States and in Europe, and the earnings, the efficiency, and the cost of living of the men employed in such production.

BENJ. HARRISON.

EXECUTIVE MANSION,

*Washington, D. C., February 14, 1891.*



## LETTER OF TRANSMITTAL.

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DEPARTMENT OF LABOR,  
*Washington, D. C., February 13, 1891.*

SIR: I have the honor to transmit herewith the Sixth Annual Report of the Commissioner of Labor. This report relates to the cost of producing iron and steel, and the materials of which iron is made, in the United States and in Europe, and the earnings, the efficiency, and the cost of living of the men employed in such production.

The organization of a statistical office requires that the efforts of each individual attaché be merged into the complete work of all, and so one who is particularly prominent cannot be known or his specific services recognized, as is the case in other and larger departments, where the organization into bureaus and divisions enables the chief officer of such subdivision to make a report to his chief of the special work committed to his charge, such report becoming an integral part of the report of the head of the department. This investigation into the cost of production, the earnings and efficiency of labor, and the cost of living has tested the ability and endurance of our force to a very large degree, and so much difficult work has been performed, that it is but just to recognize those who have borne the brunt of the exacting duties essential to the success of the investigation. As this cannot be done by the reports of individual officers, I take pleasure in naming them.

Mr. Oren W. Weaver, the chief clerk from the inception of this Department (and of its predecessor, the Bureau of Labor), has given the strictest attention to details and the supervision of the working forces of the Department. His long statistical experience has been of the greatest value in every direction. The collection of material for the cost of production, the most difficult side of the field work, has been made by Messrs. Bernard, Gould, McGhee, Waudby, and (during the latter part of the investigation) Weber for Great Britain and the con-

continent of Europe, and in the United States like services have been performed by Miss de Graffenried and Messrs. Browning, Buffington, Groves, Ihmsen, Smith, Stinson, Traylor, and during the past year Sheridan, Stewart, and Walters. In Europe Mr. Carruthers has been constantly engaged on the cost of living, and in this country Mrs. Davisson and Messrs. Britton, Ray, and Tucker have collected the bulk of the material used in cost of living, and at times have assisted in the other branches of the field work, especially in that pertaining to the payrolls of works. In the highest order of the office statistical work Messrs. Boernstein, Fessenden, Hanger, Keller, and V. H. Olmsted have rendered invaluable aid. To all these ladies and gentlemen, and to the whole clerical force I wish to extend my warmest thanks.

I am, very respectfully, your obedient servant,

CARROLL D. WRIGHT,  
*Commissioner.*

The PRESIDENT.

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## INTRODUCTION.

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## INTRODUCTION.

This report comprehends the results of an investigation, so far as iron, steel, bituminous coal, coke, iron ore, and limestone are concerned, carried on under the following provision contained in an act of Congress approved June 13, 1888, and entitled "An act to establish a Department of Labor," such act being the organic law of the Department:

SEC. 7. That the Commissioner of Labor, in accordance with the general design and duties referred to in section one of this act, is specially charged to ascertain, at as early a date as possible, and whenever industrial changes shall make it essential, the cost of producing articles, at the time dutiable in the United States, in leading countries where such articles are produced, by fully specified units of production, and under a classification showing the different elements of cost, or approximate cost, of such articles of production, including the wages paid in such industries per day, week, month, or year, or by the piece, and hours employed per day; and the profits of the manufacturers and producers of such articles; and the comparative cost of living, and the kind of living.

Immediately after the passage of this law plans were formulated for collecting the information specified, and practical operations under these plans were commenced in December, 1888. The first matter to demand attention was the selection of industries to be investigated. As the law clearly specifies that articles dutiable in the United States should be selected, it became necessary to select not only those articles upon which a considerable duty is collected, but those for which a clearly defined and standard unit could be established. An examination of the statistics of imports reported by the bureau of statistics of the treasury department showed the following facts relating to the leading imports:

### DUTIABLE VALUE OF CERTAIN IMPORTED PRODUCTS.

[Dutiable value of all imports for the year ending June 30, 1889, \$488,644,574; for the year ending June 30, 1890, \$523,641,780.]

Products.	For the year ending—			
	June 30, 1889.		June 30, 1890.	
	Dutiable value.	Percent. of all imports.	Dutiable value.	Per cent. of all imports.
Sugar, molasses, candy, and confectionery .....	\$81,249,845	16.63	\$89,734,684	17.14
Wools, hair of the alpaca, goat, and other like animals, and manufactures of.	70,539,457	14.43	71,846,515	13.72
Flax, hemp, jute, and other vegetable substances, and manufactures of.	46,174,028	9.45	48,265,366	9.22
Silk, manufactures of .....	35,122,766	7.19	38,686,374	7.39
Cotton, manufactures of .....	26,805,942	5.49	29,918,055	5.71
Glass and glassware .....	7,713,921	1.58	7,352,513	1.40
Iron ore, iron and steel, and manufactures of .....	43,885,451	8.98	44,095,215	8.42
Total .....	311,491,410	63.75	329,898,722	63.00

From the foregoing statement it will be perceived that, eliminating sugar, molasses, candy, and confectionery, a very large percentage of duties is collected on the textiles and iron and steel, using these terms in their general sense. The investigation under the law, then, was shaped to comprehend iron and steel, and the materials of which iron is made, the textiles, and glass. All the results of the investigation will be contained in a series of reports, the present comprehending, as stated, the results so far as iron and steel and the materials of which iron is made are concerned. The results relating to the other industries will be reported later in the year.

For the purpose of clearness of presentation this report is divided into three parts. Part I relates to the cost of production, Part II to wages (time and earnings) and the efficiency of labor, and Part III to the cost of living.

#### PLANS ADOPTED.

After the fullest consideration of the instructions of Congress and consultation with manufacturers in different parts of the country it was determined to make the investigation as broad as possible. To carry on a searching and analytical study of the cost of production in the industries selected, schedules were arranged, in order that all the information collected from different countries should be upon a uniform basis, and these schedules were formulated on the advice of practical manufacturers.

The investigation assumed three great features, the first relating to the cost of production of the articles selected, which must be articles having definite and equal units, such as a ton of Bessemer pig iron rather than a steam engine or mowing machine, the information to be gained from the account books of the establishments producing the goods. The second feature covered the rates of wages, time, earnings, and efficiency of the labor connected with the establishments furnishing the information on the cost of production, all the information under this feature to be secured from the pay accounts of the establishments. The third feature was the collection of facts covering the cost of living, total earnings, and expenditures of the men employed in the establishments called upon to furnish data relative to cost of production, earnings, and efficiency, these facts to be gathered from the men themselves. This wide and comprehensive plan, as originally adopted, has been carried out relative to the industries named, and to an extent and with a success far beyond the expectations of the officers of the Department when it was adopted.

Of course the results of this great inquiry, as must be the case in all other investigations, do not reach the statistical ideal of the collection and presentation of important facts; but the result can be honestly designated a "statistical triumph," in securing which many intelligent, fearless, well-informed manufacturers have been willing,

for the benefit of the world, to give all the facts called for relating to their business. It is a delicate matter to ask a manufacturer to give all the facts and figures relating to the cost of producing his goods; but manufacturers, like other people, are becoming familiar with the idea of governmental inquiry into conditions, and are more and more convinced that not only does no harm come to them from an honest statement of the facts sought, but on the contrary that great good may be derived from such statement. It is a source of very great regret that the names of the companies and individuals who have contributed to the value of this investigation cannot be stated. It would be a pleasure to thank them publicly for their generous and courteous treatment of the Department through its representatives in Europe and America. A statement of the names of such concerns would alone emphasize the truthfulness of this report. Of course not every manufacturer who was asked to furnish the information accepted the invitation; but 618 establishments responded and have contributed the facts necessary for the production of this report. These establishments are distributed as follows:

ESTABLISHMENTS EMBRACED IN COST OF PRODUCTION TABLES (*a*).

Industry.	Establishments.
Pig iron .....	118
Muck bar iron .....	38
Finished bar iron .....	29
Miscellaneous iron .....	20
Steel ingots .....	21
Steel rails .....	13
Miscellaneous steel .....	52
Bituminous coal .....	173
Coke .....	45
Iron ore .....	92
Limestone .....	7
Total .....	618

*a* In a preliminary report on the cost of production of iron, steel, etc., made to Congress July 1, 1890, 412 establishments were presented. This full report, then, comprehends 206 more establishments than were covered by the preliminary report; as these are inserted at their proper places the numberings in the preliminary report could not be preserved in this more complete statement.

While so large a number of establishments have responded to the call of the government, the difficulties in the way of carrying out the instructions of Congress as given in the act cited have been almost insurmountable. They were quite fully appreciated at the start, but they naturally increased as the work progressed. That the design of the investigation was to obtain the facts from books of account and pay-rolls of establishments clearly indicates one feature of the difficulties encountered. In all cases parties have been assured that the reports should be so made that in no wise could there be an identification of their individual establishments, therefore the names of establishments are omitted and numbers take their places. The difficulties in securing information from iron and steel manufacturers were not encountered



first by this Department. July 17, 1885, and again on a later date, Hon. Daniel Manning, then secretary of the treasury, undertook to collect information relating to the cost of producing iron and steel from the iron and steel manufacturers of the country through the officers of the American Iron and Steel Association, which association in its reply to the honorable secretary, of date November 10, 1885, stated:

In our replies to the communications referred to we have expressed our entire willingness to aid in the collection of information from these manufacturers. At the same time we expressed the opinion that the value of our work would be impaired if the department (treasury) should also address its inquiries directly to individual manufacturers. We now regret to say that the information we have obtained is not so full or so comprehensive as we have desired that it should be.

The American Iron and Steel Association embraced on the 1st of January of the present year (1885) 171 companies, 77 firms, and 22 individuals, or a total of 270 members. This membership was directly identified with the manufacture of iron and steel in every form in every state of the Union that contains an iron or steel industry. Besides this absolute membership the association regularly corresponds with all other iron and steel manufacturers in the United States.

Suitable interrogatories were promptly prepared, and application for the desired information was made early in August last to all iron and steel manufacturers. (In the phrase "iron and steel manufacturers" we include the owners or operators of blast furnaces, rolling mills, and steel works, and the producers of hammered iron blooms.)

Early in September we again addressed all manufacturers who had not responded to our first communication. Copies of the interrogatories referred to and of the circular letters accompanying them were promptly transmitted to the treasury department. Of the more than 550 companies, firms, and individuals addressed by the association less than one-fourth have responded in writing; of this number several have refused to give any information whatever, and many others have given very imperfect information. Some have doubtless addressed the department directly, and we understand that replies will also be made by a few organizations representing special iron or steel interests. Of the large number who have not formally responded to the interrogatories of the association many have personally given reasons for not responding, which were similar to those assigned by others in writing. This unwillingness or refusal to respond to a call for information from the officers of this association is an experience to which we are entirely unaccustomed.

The inquiry naturally suggests itself, Why has the information been withheld by so many manufacturers? Various reasons for this action may be assigned. Many manufacturers do not keep their accounts with sufficient minuteness to enable them to give the information requested; others naturally shrink from exposing the details of their business to any person, fearing that they might even by accident be seen by their rivals; others do not care to take the trouble to compile the details; others believe that the details if given would fall into the hands of government officials who are not experts, and who would, therefore, be liable to misunderstand or misconstrue them; while others again decline to give information because they are earnestly opposed to any further revision of the tariff, and think that if they would give the details requested they would thereby be committing themselves to the

support of a policy which they do not believe in. Whether or not all these reasons can be accepted as satisfactory we must respect the book-keeping difficulties, the earnest convictions, and even the timidity of business men who represent large interests and have much at stake.

If the Iron and Steel Association met with the difficulties recited in their reply to the honorable secretary of the treasury, it would not have been surprising if the Department of Labor had met with greater ones. It is gratifying, however, to know that with the exception of the manufacturers of steel rails producers have made no very great opposition to the inquiry ordered by Congress. The difficulties have been inherent ones, and not those arising, as a rule, from temper or indisposition.

The methods adopted by the Department of Labor aided the prosecution of the investigation to a very large degree. Experts and agents were sent directly to the producer. The experience of the Iron and Steel Association, and the experience of this and other departments and bureaus engaged in the collection of industrial statistics, has for many years condemned the correspondence method of collecting such facts. It has, with rare exceptions, been a failure. The personal method, that of sending well-informed, well-instructed agents to obtain in person what is wanted, is the only one that will secure satisfactory results. The advantage of this latter method is that a well-informed man on the spot can answer all objections and show clearly all advantages. The plan adopted comprehended an investigation in all parts of the United States where iron and steel are produced, in Great Britain, and in the iron and steel producing countries of the continent of Europe.

The results of the investigation will be dealt with under the analysis of tables and at the proper points. It may be remarked in general, however, that the fullest confidence can be placed in the trustworthiness of the report. It is weak here and there, especially in the steel rail industry, as already indicated, but the weakness is the consequence of the impossibility of securing what was wanted. If we have not a sufficient number of establishments in any industry to be considered representative, it is not the fault of the Department. It is our opinion, however, that the number and distribution of establishments is adequate to establish the representative character of the report. If the question is raised, Why did not the Department give facts for great steel rail manufactories or other works which would show, perhaps, more clearly a greater variety of products, or which would represent different processes and methods? the answer is, that such establishments could not be induced to give the information sought. Whatever omissions may be discovered, not only in range, but in the character of the information given, are in no respect the fault of the Department. This may be said, however, as to the former—the range of facts covered—that out of the innumerable inquiries that might be suggested as likely to elicit data of value it was necessary to make a selection in order to confine the work within reasonable limits. The Department has aimed to make

a judicious selection, but it will not be strange if some find information lacking on minor points of significance in their estimation. Similarly, of the form of presentation for each of the many tables, it may be stated in advance that the possible needs of all classes of persons who will have occasion to consult them have been carefully considered, and such arrangement finally adopted as seemed best on the whole. There may be exclusions which somebody wants to see, inclusions which some will deem superfluous, and an order of grouping the facts which will not emphasize relations some would desire to have brought out. No claim is made in these things that in devising and presenting nearly 400 original tables, as is the case here, nothing has been forgotten or neglected, as such a claim would be absurd; but it is claimed that there has been conscientious thought bestowed on all these little matters, believing that it is in the aggregation of little perfections that a symmetrical whole is developed.

#### WHAT IS MEANT BY COST OF PRODUCTION.

By cost of production (*a*) we mean, for the purposes of this report, the expense of production. The term has not been used in any technical or metaphysical sense, although from the facts reported the economic cost of production as indicated by the waste or consumption of material or of time can be ascertained. In arriving at the cost of production all expense for interest, insurance, depreciation of the value of plant, and (where existing) royalty to the owners of the soil has been excluded, as have also all charges for freight of product to place of free delivery. The facts upon these points, except the last, have been collected from such manufacturers as have seen fit to give them and have been tabulated separately, so that any one who does not agree with the position of the Department can for himself ascertain what the cost of production would be with these excluded elements added. For the purpose of this investigation it has been deemed sufficient to include only those elements of cost which are universal, positive, and absolutely essential, that is, those elements of cost that are common to all producers and which must be borne in order to bring out the completed product. Interest can hardly be called an element of cost of production because

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*a* The term cost of production is used in at least four different meanings in economic discussion.

1. It may mean the fatigue or irksomeness of labor. Those engaged in extractive industries are most conscious of this meaning. Thus a farmer, doing much of his work with his own hands, instead of paying for it with wages will often count the cost of this or that farm operation, or this or that crop, in terms of his own effort and weariness. Prof. J. E. Cairnes, in his "Leading Principles of Political Economy Newly Exponnded," (New York, Harper & Brothers), insisted that in economic theory cost of production must always mean the fatigue of muscle and brain. Wages, interest, etc., he said, are not the *cost* of production; they are the *rewards* of production. Labor and enterprise drift to those places and into those



of the variation of the amount of interest which enters into the estimates of concerns.

Moreover, an establishment may have no interest money to pay, considering its plant as "sunk," or it has charged off a certain percentage each year for a sufficient number of years to wipe out the entire cost of plant, and so thereafter interest can play no part in the balance sheets or accounts of the concern. The whole amount charged off has been paid out of profits, and could not be reckoned as any part of the cost of producing a single ton. The man who pays a large interest must be content with a smaller profit. If he borrows his capital he reduces his margin of profit. The concern that has completely wiped out the cost of its plant, through a systematic and continued charging off, has the advantage, and its subsequent profits are larger. Some manufacturers in different industries charge, for instance, 6 per cent. on the entire plant to the cost of production, dividing it over the year's output. In such a case, if the goods are sold at this cost, the manufacturer claims that he has made no profit, when in fact he has made 6 per cent., and this 6 per cent. offsets the interest he would have obtained for his capital invested in some other direction. He loses his personal services, however; or, to state it differently, he secures 6 per cent. for the care of his capital. Most European producers of iron and steel, and all in America inquired of, have been found to consider their plant sunk

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occupations in which they get the greatest rewards in proportion to cost, *i. e.*, the greatest wages and profits in proportion to exertion of body and mind.

2. Cost may mean the destruction of one objective or material utility in the production of other utilities. Agriculture uses up seed, grain, manures, and implements, destroying the utilities embodied in them, to produce further harvests; manufactures and transportation destroy coal to produce steam power. We have to use "cost" in this sense whenever we inquire whether a nation is increasing its material means of satisfaction by the ways in which it consumes its resources.

3. Cost may mean the sacrifice of an alternative utility, opportunity, or value. The blacksmith might be able to make \$1.50 a day as an agricultural laborer, when any other man in the neighborhood could make but \$1.25; but, being able as a smith to make \$2 a day, he stays at his forge. He will estimate the cost of production of his work at the value of his best alternative employment—the \$1.50 a day. It is in this sense we constantly use the word "cost" in discussions of international trade. Thus a nation that could produce iron at \$11 a ton may import it at \$13, simply because the labor and capital that would produce a ton of iron at \$11 may be productive of enough wheat or cotton to buy a ton and a half or two tons, at \$13.

4. Finally, cost may mean the sum of all the prices paid for the materials and labor and sacrifices involved in production. This is what the business man ordinarily means by cost.

Cost in this latter sense is not always a *cause* of value or price; that is, the price of a product is not necessarily determined by its cost of production in terms of the prices of labor and materials. On the contrary, the price of the final product may determine how much the producer will offer for materials and labor. It is impossible here to trace out all the relations of cause and effect, but one general principle will hold good. More than one final product is commonly made from the same raw material, and the prices of those products, even after allowing for all other differences in expenses, may be very unequal. Nevertheless, the various producers will buy their raw material at substantially the same price, and that price cannot exceed the market value of the least valuable product made from the material. It is therefore the least valuable product that determines the cost of production for all other products made from the same raw material, or by substantially the same kind of labor. This cost of production, acting on the supply of the other products, tends to bring down their market prices to an equality with the least valuable product; that is, it becomes, in their cases, a *cause* of value.—Prof. F. H. GIDDINGS, Bryn Mawr College.



to start with, and have advised the Department that the only influence which the value of plant can have upon the cost of production is through charges for repairs, and not through interest added to the positive elements of cost.

The depreciation of value of the plant, which often occupies so much of the attention of writers when speaking of the cost of production, offers a very great stumbling block in any statistical study of the cost of production. In arriving at our conclusions, which resulted in not considering this as a positive and universal element in the cost of production, we have been greatly aided not only by manufacturers themselves but by a work on *The Depreciation of Factories and their Valuation*, by Ewing Matheson, M. Inst. C. E., published in London in 1884. The present writer has freely used Mr. Matheson's language wherever it has been applicable to this discussion.

It is true that the cost of repairs should be charged into the cost of production, and it is believed that the full force of the idea that depreciation should enter into the cost of production has in this way been met; that the integrity of the influence of depreciation has been preserved, and without the difficulties which would arise from an attempt to add any sum representing depreciation.

Deterioration of a plant by time and use, the appraisement of the loss and its allotment in the accounts, are matters of great importance, of course, in the economy of management; but no fixed rules or rates of depreciation can be established for general use, because not only do trades and processes of manufacture differ, but numerous secondary circumstances have to be considered in determining the proper course. The question of depreciation cannot be separated from that of maintenance, and in theory one may be said to balance the other. If this is the case, the absolute replacement of some portion of the plant every year may thus maintain an average aggregate value. In only two kinds or classes of plant, however, can such an exact balancing of loss by repairs and renewals be ventured on; one, where the plant wears out so quickly as to need replacement at short intervals, affording constant proof by the mere continuance of working that not only the earning power of the factory is maintained, but also the capital value; and in a second class, that of undertakings so large and permanent as to afford a wide average of deterioration and renewal over the whole plant. In the conduct of works there is often a natural tendency to charge off for depreciation in proportion to the profits rather than to the deterioration, and where such a tendency is crystallized into action, the amount charged off being large in a year when the profits are large, the cost of production, should such amount be considered as an element in it, would be thrown out of legitimate proportion.

In the case of a very large plant, where there is a considerable annual outlay for renewals as well as for repairs, such expenditure, if charged to profit, may fairly balance the average deterioration of the whole;

but to secure this there should be a very ample margin, through the increase of the plant every year, for without this there would be a risk that a gradual lessening of the total value of buildings or plant would take place, ultimately involving considerable expenditure to restore its earning capacity, and this great expenditure, if added to the cost of production, would again distort the legitimate proportions thereof. In the accounts of a plant it is difficult, even for those engaged in its management, always to distinguish between the expenditure for renewals chargeable to capital and that due to deterioration; and to those outside the management it is quite impossible without careful investigation. Actual additions to the size or capacity of a plant should be largely reckoned as increasing the fixed capital, but such an increase may be wholly or partially neutralized by deterioration. There are various methods of estimating the depreciation of a factory or plant, but it may be said in regard to any of them that the object in view is so to treat the nominal capital in the books of account that it shall always represent as nearly as possible the real value. The most effectual method of securing this would be, if it were feasible, to revalue everything at stated intervals, and to charge off whatever loss such valuations might reveal without regard to any prescribed rate: By such a plan the deterioration due to a period of constant working and of great profits, or to an average or idle year, might be properly allotted.

Such a system is adopted oftenest in factories or works where the trade and plant are of so simple or uniform a kind as to allow it without difficulty. In some manufactories there are a few chief items of plant which are more important than the rest, and whose condition and value therefore need special consideration. But as a rule it will be found that charging repairs to cost of production, and great extensions or increase of capacity to capital, serves the best economic purpose in securing the legitimate cost of production.

In the case of machinery, deterioration depends on so many circumstances, some of which relate to the machine itself, and others to the mode of using it, that it is difficult to establish a just and uniform rate of depreciation which could with integrity be chargeable to the cost of production. Sometimes a machine as a whole may continue serviceable, while important parts may become obsolete. Thus, in an iron rolling mill, new rolls may be cut to produce a certain pattern of bar iron, and if this pattern be of a standard shape and size, constantly in demand, depreciation may be based on its probable durability and the number of tons of iron which the rolls will produce before they are worn out. If, on the other hand, the pattern be peculiar in shape or size, a higher rate of depreciation is necessary, and it may become proper to charge the whole cost of the rolls to the first output of bars. In this latter respect the rolls must be treated like foundry patterns, which are in some cases charged to one set of castings for which they have been specially made, and at another time, as stock or standard patterns, to



capital. There are numerous other industries where a large proportion of the cost of manufacture is for the design and patterns, and a due depreciation in value would become of great importance.

There is a very wide divergence of practice, even in well-managed factories, as to the proper rate of depreciation for machinery. To be on the safe side a concern sometimes commences by charging off annually 10 per cent. from the cost of all machinery, especially when the concern is doing a profitable business. In other cases the records of many years' working may show that  $2\frac{1}{2}$  per cent. is sufficient. In engineering factories the rate which will probably meet the depreciation will generally be found between 5 and 10 per cent. Where the work is of a moderate kind which does not strain the machines severely, and where the hours of working do not average more than sixty per week, 5 per cent. would generally suffice for machinery, cranes, and fixed plant of all kinds, excluding steam engines and boilers. Where there is a diversity of machinery and plant, as in a cotton mill, prominent cotton manufacturers, with many years' accounts to enable them to form a correct judgment, have informed the Department that 5 per cent. seems to be an appropriate rate to be added to cost of production when this method is resorted to; but such a rate would be quite insufficient for the machinery of a rolling mill. While a rate of  $7\frac{1}{2}$  per cent. might be supposed sufficient for the first few years, say four, the valuation at the end of that period might show that some rate between 10 and 20 per cent. would be necessary to meet effectually the depreciation in value due to wear and tear, and to the fact that the machinery is likely to become old-fashioned.

Steam engines and boilers, if classed separately from the other machinery of a plant, would generally require a higher rate of depreciation, and a further separation would require that the boilers be given a rate higher than engines. The make of the boilers and engines would have much to do with the depreciation. In trades where steam engines, steam hammers, furnaces, and boilers form a large proportion of the total plant of machinery, they would have to be classed separately from the other machines, or the rate of depreciation for them should determine that for the whole; but it is often considered expedient to exclude from such a general rate of depreciation certain things, such as patterns and foundry boxes, or to class them separately. Where the depreciation is rapid, as in boilers and furnaces, the need for renewal forces itself on the attention of users, and the justice of charging expenditure on this account to profit becomes obvious, and of course to charge such to cost of production would be entirely wrong. From these considerations, and to avoid inharmonious and incongruous elements of cost, we have, to cover all contingencies and the variations of years, included repairs in the cost of production instead of undertaking to determine or accept any specified rates of depreciation by individual concerns.

The charges for insurance cannot justly be considered as an element of cost of production. It is a variable and often unknown quantity. Many proprietors prefer to carry their own insurance, while others prefer to place their risks in insurance companies. This takes the cost of insurance out of the catalogue of positive and universal elements of the cost of production.

The royalties paid to the owners of the soil in the cases of coal mines, ore mines, or limestone quarries, operated by persons other than the owners, have not been included, because such charges are not positive and universal, and must of necessity correspond to the interest charge of the operator who owns his mine. In other words, the royalty paid by the lessee represents what would be the interest on capital invested were he the owner, and is not considered as a legitimate charge against cost of production, although affecting profits or selling prices.

The charges for freight of product from the works to place of free delivery have not been included as one of the positive elements of the cost of production, because they are manifestly a part of the cost of selling the finished products, and the plans of this investigation could necessarily carry the product only to the point of finishing at the works. Moreover, such charges are variable, the products of many mills being sold free on board at mills, and of others at such a variety of points that no usable statement could by any possibility be obtained. This latter reason prevented the Department from showing among the additional or theoretical charges the comparative advantages of the several establishments in respect to their proximity to market.

Notwithstanding these considerations, there are many students of economic subjects, as already intimated, who regard some one or all of these elements—interest, insurance, depreciation, and royalties—as legitimate elements in arriving at the cost of production, and for that reason a separate tabulation of such data on them as came to hand is appended. It will be found, however, that in nearly all cases their influence upon the cost of a unit, like a ton of pig iron or a ton of steel rails, is so slight as not to invalidate the statements made in the tables where they have been excluded.

#### **COST OF PRODUCTION AS AFFECTED BY MARKET PRICE AND FREIGHT OF MATERIALS.**

Another disturbing element in ascertaining exact cost of production is the market price at which materials are charged. A manufacturer of pig iron may also be the producer of the ore or coke, coal or limestone which he uses, or he may be the producer of some of these materials and a purchaser of others. If he is a purchaser he is entitled to charge as a legitimate element of cost what he has to pay in the market for the materials, and it sometimes occurs that where a manufacturer produces his own ore or other materials, he considers it perfectly legitimate in making up his cost to enter what he produces at the

market price he would have to pay for it provided he purchased. This statement will often account for discrepancies in the cost as charged for different materials. The influence of this is more largely felt in the production of steel rails, where the fluctuation of prices of pig iron is great, as shown by the speculation in pig iron in Great Britain. It is extremely difficult to arrive at the specific elements of cost in the production of pig iron in Great Britain, on account of the constant gambling there in pig-iron warrants. This species of speculation has been carried to such a reckless extent that a measure has been introduced into parliament for regulating dealings in pig-iron warrants. The measure aims at such speculative dealings, especially those characteristic of the Glasgow market, where it is no uncommon occurrence for operators to buy and sell enormous lines of warrants without possessing or desiring to possess a single ton of iron. Much harm has certainly at various periods been inflicted on the British iron trade as an industry by the wild gambling carried on by the iron rings, not alone through the destructive operations of bears but also through the injudicious proceedings of sanguine bulls (*a*). The influence of this species of speculation distorts prices and, of course, costs, and it has much to do with the irregularities noticed in the quotations of steel rails. This feature will be referred to again when discussing the cost of production of steel rails. The cost of production is also affected by the freight charges on the assemblage of raw materials like ore, coal, coke, etc. The cost of transporting ore, for instance, will vary as between two establishments located side by side and bringing their ore from the same mine. One establishment may have influence with the road by which rebates are obtained, while the other establishment, having no such influence, is obliged to pay the full official rates. While such conditions are not frequent, nevertheless in some cases they are disturbing elements in the attempt to arrive at exact cost of producing pig iron or steel.

#### FREIGHTS.

The cost of freight from the place of production to the point of free delivery or of sale has much to do, of course, with the iron trade as with all others. The Department, therefore, has taken pains to collect official data showing the freight rates from great points of production to points and ports of shipment, but as these freight rates relate to all kinds of iron and steel, the tables showing them are printed at the close of the analysis of the general tables, Part I, instead of being distributed under various specific products.

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*a* The Economist, London, November 20, 1890.



## DISTRICTS.

As a further means of preventing the identification of establishments as promised to manufacturers, the names of localities and even of states are omitted. For pig iron the United States is divided into two districts and Europe into two, and the facts tabulated by such districts. The actual and relative volume of production of pig iron in the different sections of this country, as reported at the eleventh census, may be seen from the following table:

PRODUCTION OF PIG IRON IN THE UNITED STATES AT THE ELEVENTH CENSUS.

Districts.	Tons of 2,000 pounds—year ending—		
	May 31, 1870.	May 31, 1880.	June 30, 1890.
New England states .....	34, 471	30, 957	33, 781
Middle states .....	1, 311, 649	2, 401, 093	5, 216, 591
Southern states .....	134, 540	350, 436	1, 780, 909
Western states .....	522, 161	995, 335	2, 522, 351
Far western states .....		3, 200	26, 147
Total .....	2, 052, 821	3, 781, 021	9, 579, 779

From the foregoing statement it will be seen that the middle and western states, practically extending in one general system from east to west, are properly classed as the northern district, and are the great producers of pig iron, while the southern states, forming a division of the country by themselves and working under their own conditions, properly constitute the southern district. The northern district includes the states of Illinois, Indiana, Maryland, Michigan, Missouri, New York, Ohio, Pennsylvania, West Virginia, and Wisconsin, and work under what may be called the Pennsylvania system. The southern district, working on what might be denominated the Alabama system of producing iron, includes the states of Alabama, Georgia, Tennessee, and Virginia. Europe has been divided into two districts, the continent of Europe, which for the purposes of this report comprises Germany, Belgium, France, Italy, and Spain, and Great Britain, under which division we have facts for England, Scotland, and Wales. For products other than pig iron the division into districts in the United States is omitted, although continued for Europe.

## THE VOLUME OF PRODUCTION OF PIG IRON, STEEL, ETC.

Many persons using this report on the cost of production of iron and steel, and the materials of which iron is made, will not have at hand the statistics of the annual volume of production of such materials. To meet their needs a series of tables on this subject is presented. These tables, beginning with the following and ending on page 25, are taken from reports compiled by Hon. James M. Swank, secretary of the American Iron and Steel Association. The reputation of Mr. Swank is a full guar-

antee of their accuracy. By these tables it will be seen that the United States in 1889 produced over 30 per cent. of the whole output of iron of the world; but the facts for 1890 show that this percentage has been increased, and that now the United States takes first rank among the iron-producing countries, her output being greater than that of any other country.

PRODUCTION OF PIG IRON IN THE UNITED STATES.

Year.	Kinds of iron (tons of 2,000 pounds).			
	Anthracite and mixed anthracite and coke.	Charcoal.	Coke and raw bituminous.	Total.
1854.....	339,435	342,298	54,485	736,218
1855.....	381,866	339,922	62,390	784,178
1856.....	443,113	370,470	69,554	883,137
1857.....	390,385	330,321	77,451	798,157
1858.....	361,430	285,313	58,351	705,094
1859.....	471,745	284,041	84,841	840,627
1860.....	519,211	278,331	122,228	919,770
1861.....	409,229	195,278	127,037	731,544
1862.....	470,315	186,660	130,687	787,662
1863.....	577,638	212,005	157,961	947,604
1864.....	684,018	241,853	210,125	1,135,996
1865.....	479,558	262,342	189,682	931,582
1866.....	749,367	332,580	268,396	1,350,343
1867.....	798,638	344,341	318,647	1,461,626
1868.....	893,000	370,000	340,000	1,603,000
1869.....	971,150	392,150	553,341	1,916,641
1870.....	930,000	365,000	570,000	1,865,000
1871.....	956,608	385,000	570,000	1,911,608
1872.....	1,369,812	500,587	984,159	2,854,558
1873.....	1,312,754	577,620	977,904	2,868,278
1874.....	1,202,144	576,557	910,712	2,689,413
1875.....	908,046	410,990	947,545	2,266,581
1876.....	794,578	308,649	990,009	2,093,236
1877.....	934,797	317,843	1,061,945	2,314,585
1878.....	1,092,870	293,399	1,191,092	2,577,361
1879.....	1,273,024	358,875	1,438,978	3,070,875
1880.....	1,807,651	537,558	1,950,205	4,295,414
1881.....	1,734,462	638,838	2,268,264	4,641,564
1882.....	2,042,138	697,906	2,438,078	5,178,122
1883.....	1,885,596	571,726	2,689,650	5,146,972
1884.....	1,586,453	458,418	2,544,742	4,589,613
1885.....	1,454,390	599,844	2,675,635	4,729,869
1886.....	2,099,597	459,557	3,806,174	6,365,328
1887.....	2,338,389	578,182	4,270,635	7,187,206
1888.....	1,925,729	598,789	4,743,989	7,268,507
1889.....	1,920,354	644,300	5,951,425	8,516,079
1890.....				9,569,850

PRODUCTION OF LEADING PRODUCTS OF IRON AND STEEL IN THE UNITED STATES.

Products.	Tons of 2,000 pounds.					
	1878.	1879.	1880.	1881.	1882.	1883.
Pig Iron .....	2,577,361	3,070,875	4,295,414	4,641,564	5,178,122	5,146,972
Spiegeleisen, included above .....	10,674	13,931	19,603	21,086	21,963	24,574
Roll rolled iron .....	1,555,576	2,047,484	2,332,668	2,643,927	2,493,831	2,348,874
Rolled iron, excluding rails .....	1,232,686	1,627,324	1,838,906	2,155,346	2,265,957	2,283,920
Kegs of cut nails and spikes .....	4,396,130	5,011,021	5,370,512	5,794,206	6,147,097	7,762,737
Bessemer steel rails .....	550,398	683,964	954,460	1,330,302	1,438,155	1,286,554
Open-hearth steel rails .....	9,397	9,149	13,615	25,217	22,765	9,186
Iron rails .....	322,890	420,160	493,762	488,581	227,874	64,954
Rails of all kinds .....	822,685	1,113,273	1,461,837	1,844,100	1,688,794	1,360,094
Crucible steel ingots .....	42,906	56,780	72,424	89,762	85,089	80,455
Open-hearth steel ingots .....	36,126	56,290	112,953	146,946	160,542	133,679
Bessemer steel ingots .....	732,226	928,972	1,203,173	1,539,157	1,696,450	1,654,627
Miscellaneous steel .....	8,546	5,464	8,465	3,047	3,014	5,598
Steel of all kinds .....	819,814	1,047,506	1,397,015	1,778,912	1,945,095	1,874,359
Blooms from ore and pig iron .....	50,045	62,353	74,589	84,606	91,298	74,758

PRODUCTION OF LEADING PRODUCTS OF IRON AND STEEL, ETC.—Concluded.

Products.	Tons of 2,000 pounds.					
	1884.	1885.	1886.	1887.	1888.	1889.
Pig iron .....	4,589,613	4,529,869	6,365,328	7,187,206	7,268,507	α 8,516,079
Spiegeleisen, included above	33,893	34,671	47,982	47,598	54,769	85,823
All rolled iron .....	1,957,307	1,804,526	2,283,622	2,588,500	2,411,654	2,586,385
Rolled iron, excluding rails.	1,931,747	1,789,711	2,259,943	2,565,438	2,397,402	2,576,127
Kegs of cut nails and spikes.	7,581,379	6,696,815	8,160,973	6,908,870	6,493,591	5,810,758
Bessemer steel rails .....	1,116,621	1,074,607	1,763,667	2,354,132	1,562,631	1,691,264
Open-hearth steel rails .....	2,670	4,793	5,255	19,203	5,261	3,346
Iron rails .....	25,560	14,815	23,679	23,062	14,252	10,258
Rails of all kinds .....	1,144,851	1,094,215	1,792,601	2,396,397	1,572,144	1,704,868
Crucible steel ingots .....	59,662	64,511	80,609	84,421	78,713	84,969
Open-hearth steel ingots .....	131,617	149,381	245,250	360,717	352,036	419,488
Bessemer steel ingots .....	1,540,595	1,701,762	2,541,493	3,288,357	2,812,500	3,281,829
Miscellaneous steel .....	5,111	1,696	2,651	6,265	4,124	5,734
Steel of all kinds .....	1,736,985	1,917,350	2,870,003	3,739,760	3,247,373	α 3,792,020
Blooms from ore and pig iron	57,005	41,700	41,909	43,306	39,875	36,260

α The production of pig iron for the census year 1890 was 9,569,850 tons, and the production of steel of all kinds for the same year, 4,466,926 tons.

PRODUCTION OF ROLLED IRON, NOT INCLUDING ROLLED STEEL, IN THE UNITED STATES.

Year.	Tons of 2,000 pounds.			Year.	Tons of 2,000 pounds.		
	Iron rails.	Other rolled iron.	Total.		Iron rails.	Other rolled iron.	Total.
1864 .....	335,369	536,958	872,327	1877 .....	332,540	1,144,219	1,476,759
1865 .....	356,292	500,048	856,340	1878 .....	322,890	1,232,686	1,555,576
1866 .....	430,778	595,311	1,026,089	1879 .....	420,160	1,627,324	2,047,484
1867 .....	459,558	579,838	1,039,396	1880 .....	493,762	1,838,906	2,332,668
1868 .....	499,489	598,286	1,097,775	1881 .....	488,581	2,155,346	2,643,927
1869 .....	583,936	642,420	1,226,356	1882 .....	227,874	2,265,957	2,493,831
1870 .....	586,000	705,000	1,291,000	1883 .....	64,954	2,283,920	2,348,874
1871 .....	737,483	710,000	1,447,483	1884 .....	25,560	1,931,747	1,957,307
1872 .....	905,930	941,992	1,847,922	1885 .....	14,815	1,789,711	1,804,526
1873 .....	761,062	1,076,368	1,837,430	1886 .....	23,679	2,259,043	2,283,622
1874 .....	584,469	1,110,147	1,694,616	1887 .....	23,062	2,565,438	2,588,500
1875 .....	501,649	1,097,867	1,599,516	1888 .....	14,252	2,397,402	2,411,654
1876 .....	467,168	1,042,101	1,509,269	1889 .....	10,258	2,576,127	2,586,385

PRODUCTION OF ALL KINDS OF STEEL IN THE UNITED STATES.

Years.	Tons of 2,000 pounds.				
	Bessemer steel ingots.	Open-hearth steel ingots.	Crucible steel ingots.	All other steel.	Total.
1868 .....	8,500	—	α 21,500	—	30,000
1869 .....	12,000	1,000	α 22,000	—	35,000
1870 .....	42,000	1,500	α 33,500	—	77,000
1871 .....	45,000	2,000	α 35,000	—	82,000
1872 .....	120,108	3,000	29,260	7,740	160,108
1873 .....	170,652	3,500	34,786	13,714	222,652
1874 .....	191,933	7,000	36,328	6,353	241,614
1875 .....	375,517	9,050	39,401	12,607	436,575
1876 .....	525,996	21,490	39,382	10,306	597,174
1877 .....	560,587	25,031	40,430	11,924	637,972
1878 .....	732,226	36,126	42,906	8,550	819,814
1879 .....	928,972	56,290	56,780	5,464	1,047,506
1880 .....	1,203,173	112,953	72,424	8,465	1,397,015
1881 .....	1,539,157	146,946	89,762	3,047	1,778,912
1882 .....	1,696,450	160,542	85,089	3,014	1,945,095
1883 .....	1,654,627	133,679	80,455	5,598	1,874,359
1884 .....	1,540,595	131,617	59,662	5,111	1,736,985
1885 .....	1,701,762	149,381	64,511	1,696	1,917,350
1886 .....	2,541,493	245,250	80,609	2,651	2,870,003
1887 .....	3,288,357	360,717	84,421	6,265	3,739,760
1888 .....	2,812,500	352,036	78,713	4,124	3,247,373
1889 .....	3,281,829	419,488	84,969	5,734	3,792,020

α Including all other steel.



In 1863 the production of all kinds of steel in the United States was 9,044 tons; in 1864, 10,369 tons; in 1865, 15,262 tons; in 1866, 18,973 tons; and in 1867, 22,000 tons, including 3,000 tons of Bessemer steel ingots. Bessemer steel was first made in the United States in the fall of 1864. The manufacture of open-hearth steel in the United States was commenced in December, 1868.

#### PRODUCTION OF BLOOMS AND BILLETS.

[The production in the United States of wrought iron from ore in forges is now almost entirely confined to the Lake Champlain district of New York. Blooms from pig and scrap iron are made chiefly in Pennsylvania.]

Year.	Tons of 2,000 pounds.				Year.	Tons of 2,000 pounds.			
	Ore blooms and billets made in New York.	Total make of ore blooms and billets.	Pig and scrap blooms made in Pennsylvania.	Total make of pig and scrap blooms.		Ore blooms and billets made in New York.	Total make of ore blooms and billets.	Pig and scrap blooms made in Pennsylvania.	Total make of pig and scrap blooms.
1875 .....	23,666	24,416	19,032	24,827	1883 ....	31,347	35,237	28,190	39,521
1876 .....	20,202	20,784	13,401	23,844	1884 ....	27,745	29,789	19,992	27,216
1877 .....	23,466	24,227	16,517	23,073	1885 ....	18,981	19,887	15,462	21,813
1878 .....	22,829	24,139	15,121	25,906	1886 ....	15,507	15,878	20,836	26,031
1879 .....	27,290	30,282	23,956	32,071	1887 ....	15,043	15,088	21,982	28,218
1880 .....	34,351	40,652	24,319	33,937	1888 ....	14,050	14,088	19,081	25,787
1881 .....	39,892	45,369	28,342	39,237	1889 ....	12,397	12,407	18,504	23,853
1882 .....	43,911	48,354	29,408	42,939					

The production of both products from 1865 to 1889 has been as follows:

Year.	Tons of 2,000 pounds.	Year.	Tons of 2,000 pounds.	Year.	Tons of 2,000 pounds.
1865 .....	63,977	1874 .....	61,670	1883 .....	74,758
1866 .....	73,555	1875 .....	49,243	1884 .....	57,005
1867 .....	73,073	1876 .....	44,628	1885 .....	41,700
1868 .....	75,200	1877 .....	47,300	1886 .....	41,909
1869 .....	60,500	1878 .....	50,045	1887 .....	43,306
1870 .....	62,259	1879 .....	62,353	1888 .....	39,875
1871 .....	63,000	1880 .....	74,589	1889 .....	36,260
1872 .....	58,000	1881 .....	84,606		
1873 .....	62,564	1882 .....	91,293		

#### THE PRODUCTION OF STEEL IN THE UNITED STATES AND GREAT BRITAIN.

[The production of Bessemer steel ingots (including Clapp-Griffiths steel ingots) and rails in Great Britain in the last thirteen years, compared with the production of the United States during the same period, was as follows. In the ingot tonnage for the United States for 1889 is also included the small quantity of Robert-Bessemer steel made in that year.]

Year.	United States (tons of 2,240 pounds).		Great Britain (tons of 2,240 pounds).	
	Ingots.	Rails.	Ingots.	Rails.
1877 .....	500,524	385,865	750,000	508,400
1878 .....	653,773	491,427	807,527	622,390
1879 .....	829,439	610,682	834,511	520,231
1880 .....	1,074,262	852,196	1,044,382	732,910
1881 .....	1,374,247	1,187,770	1,441,719	1,023,740
1882 .....	1,514,687	1,284,067	1,673,649	1,235,785
1883 .....	1,477,345	1,145,709	1,553,380	1,097,174
1884 .....	1,375,531	996,983	1,299,676	784,968
1885 .....	1,519,430	959,471	1,304,127	703,583
1886 .....	2,269,190	1,574,703	1,570,520	730,343
1887 .....	2,936,033	2,101,904	2,089,403	1,021,847
1888 .....	2,511,161	1,386,277	2,032,794	979,083
1889 .....	2,930,204	1,510,057	2,140,793	943,048

The United States has for many years made more Bessemer steel ingots and Bessemer steel rails than Great Britain. If we consider all the kinds of steel which are made by the two great steel-making countries above mentioned, the United States was also ahead of its European rival in 1886 and 1887. In 1888 and 1889, however, Great Britain again asserted its supremacy. She now excels as a steel producer, because of her large annual production of open-hearth steel.

#### PRODUCTION AND PRICES OF BESSEMER STEEL RAILS IN THE UNITED STATES.

[The following table shows the annual production in gross tons of Bessemer steel rails in the United States since the beginning of their manufacture in commercial quantities in 1867, together with the average annual price at which they have been sold at works in Pennsylvania.]

Year.	Production (tons of 2,240 pounds).	Price in currency.	Average price of gold.	Year.	Production (tons of 2,240 pounds).	Price in currency.	Average price of gold.
1867.....	2, 277	\$166.00	138	1879.....	610, 682	\$48.25	100
1868.....	6, 451	158.50	140	1880.....	852, 196	67.50	100
1869.....	8, 616	132.25	136	1881.....	1, 187, 770	61.13	100
1870.....	30, 357	106.75	115	1882.....	1, 284, 067	48.50	100
1871.....	34, 152	102.50	112	1883.....	1, 148, 709	37.75	100
1872.....	83, 991	112.00	112	1884.....	996, 983	30.75	100
1873.....	115, 192	120.50	113	1885.....	959, 471	28.50	100
1874.....	129, 414	94.25	112	1886.....	1, 574, 703	34.50	100
1875.....	259, 699	68.75	114	1887.....	2, 101, 904	37.08	100
1876.....	368, 269	59.25	110	1888.....	1, 386, 277	29.83	100
1877.....	385, 865	45.50	105	1889.....	1, 510, 057	29.25	100
1878.....	491, 427	42.25	102				

The lowest average annual price at which Bessemer steel rails have been sold in this country was reached in 1885, namely, \$28.50, but sales were made at still lower figures in 1884, 1885, 1888, and 1889, as low as \$26 and \$27.

#### PRODUCTION AND PRICES OF IRON RAILS IN THE UNITED STATES.

[In the following table is given the production in tons of 2,000 pounds, and prices per ton of 2,240 pounds of standard sections of iron rails in the United States.]

Year.	Tons (2,000 pounds).	Average price per ton of 2,240 pounds.	Year.	Tons (2,000 pounds).	Average price per ton of 2,240 pounds.	Year.	Tons (2,000 pounds).	Average price per ton of 2,240 pounds.
1849.....	24, 318	\$53.88	1863.....	275, 768	\$76.88	1877.....	332, 540	\$35.25
1850.....	44, 083	47.88	1864.....	335, 369	126.00	1878.....	322, 800	33.75
1851.....	50, 603	45.63	1865.....	356, 292	98.63	1879.....	420, 160	41.25
1852.....	62, 478	48.38	1866.....	430, 778	86.75	1880.....	493, 762	49.25
1853.....	87, 864	77.25	1867.....	459, 558	83.13	1881.....	488, 581	47.13
1854.....	108, 016	80.13	1868.....	499, 489	78.88	1882.....	227, 874	45.50
1855.....	138, 674	62.88	1869.....	583, 936	77.25	1883.....	64, 954	(a)
1856.....	180, 018	64.38	1870.....	586, 000	72.25	1884.....	25, 560	.....
1857.....	161, 918	64.25	1871.....	737, 483	70.38	1885.....	14, 815	.....
1858.....	163, 712	50.00	1872.....	905, 930	85.13	1886.....	23, 679	.....
1859.....	195, 454	49.38	1873.....	761, 062	76.67	1887.....	23, 062	.....
1860.....	205, 038	48.00	1874.....	584, 469	58.75	1888.....	14, 252	.....
1861.....	189, 818	42.38	1875.....	501, 649	47.75	1889.....	10, 258	.....
1862.....	213, 912	41.75	1876.....	467, 168	41.25			

a Since the beginning of 1883 the manufacture of iron rails in the United States has been almost entirely superseded by the manufacture of steel rails. Such iron rails as have since been made in this country have been chiefly street rails and light rails for mines and tramways, the price of which, if added to the above table, would be misleading. As there has been virtually no demand for standard sections of iron rails since 1882, there have been no market quotations for them since that year.

## REPORT OF THE COMMISSIONER OF LABOR.

## PRODUCTION OF ALL KINDS OF RAILS IN THE UNITED STATES.

[The production of all kinds of rails in the United States since 1849 has been as follows. Prior to 1867 all rails in this country were made of iron.]

Year.	Tons of 2,000 pounds.				
	Bessemer steel rails.	Open-hearth steel rails.	Total steel rails.	Iron rails, all kinds.	Total iron and steel.
1849				24,318	
1850				44,083	
1851				50,603	
1852				62,478	
1853				87,864	
1854				108,016	
1855				138,674	
1856				180,018	
1857				161,918	
1858				163,712	
1859				195,454	
1860				205,038	
1861				180,818	
1862				213,912	
1863				275,768	
1864				335,369	
1865				356,292	
1866				430,778	
1867	2,550		2,550	459,558	462,108
1868	7,225		7,225	499,489	506,714
1869	9,650		9,650	583,936	593,586
1870	34,000		34,000	586,000	620,000
1871	38,250		38,250	737,483	775,733
1872	94,070		94,070	905,930	1,000,000
1873	129,015		129,015	761,062	890,077
1874	144,944		144,944	584,469	729,413
1875	290,863		290,863	501,649	792,512
1876	412,461		412,461	467,168	879,629
1877	432,169		432,169	332,540	764,709
1878	550,398	9,397	559,795	322,890	882,685
1879	683,964	9,149	693,113	420,160	1,113,273
1880	954,460	13,615	968,075	493,762	1,461,837
1881	1,330,302	25,217	1,355,519	488,581	1,844,100
1882	1,438,155	22,765	1,460,920	227,874	1,688,794
1883	1,286,554	9,186	1,295,740	64,954	1,360,694
1884	1,116,621	2,670	1,119,291	25,560	1,144,851
1885	1,074,607	4,793	1,079,400	14,815	1,094,215
1886	1,763,667	5,255	1,768,922	23,679	1,792,601
1887	2,354,132	19,203	2,373,335	23,062	2,396,397
1888	1,552,631	5,261	1,557,892	14,252	1,572,144
1889	1,691,264	3,346	1,694,610	10,258	1,704,868

## CONSUMPTION OF ALL KINDS OF RAILS IN THE UNITED STATES.

Year.	Tons of 2,000 pounds.			
	Made in United States.	Imported.		Approximate consumption.
		Iron.	Steel.	
1867				
1868	462,108	a 163,049		625,157
1869	506,714	a 250,081		756,795
1870	593,586	a 313,163		906,749
1871	620,000	a 399,153		1,019,153
1872	775,733	a 566,202		1,341,935
1873	1,000,000	381,064	149,786	1,530,850
1874	890,077	99,201	159,571	1,148,849
1875	729,413	7,796	100,515	837,724
1876	792,512	1,174	18,274	811,960
1877	879,629	287	None.	879,916
1878	764,709	None.	35	764,744
1879	882,685	None.	10	882,695
1880	1,113,273	19,090	25,057	1,157,420
1881	1,461,837	132,459	158,230	1,752,526
1882	1,844,100	137,013	249,308	2,230,421
1883	1,688,794	41,992	182,435	1,912,921
1884	1,360,694	757	38,220	1,399,671
1885	1,144,851	94	3,074	1,148,019
1886	1,094,215	57	2,395	1,096,667
1887	1,792,601	7	46,571	1,839,179
1888	2,396,397	270	154,099	2,550,766
1889	1,572,144	24	70,578	1,642,746
	1,704,868	16	6,946	1,711,830

a Including steel.



## CONSUMPTION OF PIG IRON AND OF IRON AND STEEL RAILS.

[In the following table we give the approximate consumption in the United States of pig iron and of iron and steel rails in the last thirty-five years. The production in calendar years is added to the importations in fiscal years, the result being the yearly consumption in calendar years as nearly as can be ascertained. The figures given have been compiled from the records of the American Iron and Steel Association and from the reports of the bureau of statistics of the treasury department.]

Calendar year ending Dec. 31.	Production (tons of 2,240 pounds).		Fiscal year ending June 30.	Importations (tons of 2,240 pounds).		Year.	Consumption (tons of 2,240 pounds).	
	Pig iron.	Iron and steel rails.		Pig iron.	Iron and steel rails.		Pig iron.	Iron and steel rails.
1855.....	700, 159	123, 816	1855.....	98, 925	127, 516	1855.....	799, 084	251, 332
1856.....	788, 515	160, 730	1856.....	59, 012	155, 495	1856.....	847, 527	316, 225
1857.....	712, 640	144, 570	1857.....	51, 794	179, 305	1857.....	764, 434	323, 875
1858.....	629, 548	146, 171	1858.....	41, 986	75, 745	1858.....	671, 534	221, 916
1859.....	750, 560	174, 513	1859.....	72, 517	69, 965	1859.....	823, 077	244, 478
1860.....	821, 223	183, 070	1860.....	71, 498	122, 175	1860.....	892, 721	305, 245
1861.....	653, 164	169, 480	1861.....	74, 026	74, 490	1861.....	727, 190	243, 970
1862.....	703, 270	190, 993	1862.....	22, 247	8, 611	1862.....	725, 517	199, 604
1863.....	846, 075	246, 221	1863.....	31, 007	17, 088	1863.....	877, 082	263, 309
1864.....	1, 014, 282	299, 437	1864.....	102, 223	118, 714	1864.....	1, 116, 505	418, 151
1865.....	831, 770	318, 118	1865.....	50, 652	77, 518	1865.....	882, 422	395, 636
1866.....	1, 205, 663	384, 623	1866.....	102, 392	78, 007	1866.....	1, 308, 055	462, 630
1867.....	1, 305, 023	412, 596	1867.....	112, 042	96, 272	1867.....	1, 417, 065	508, 868
1868.....	1, 431, 250	452, 423	1868.....	112, 133	151, 097	1868.....	1, 543, 383	603, 520
1869.....	1, 711, 287	529, 988	1869.....	136, 975	237, 703	1869.....	1, 848, 262	767, 691
1870.....	1, 665, 179	553, 571	1870.....	153, 283	279, 765	1870.....	1, 818, 462	833, 336
1871.....	1, 706, 793	692, 619	1871.....	178, 138	458, 055	1871.....	1, 884, 931	1, 150, 674
1872.....	2, 548, 713	892, 857	1872.....	247, 528	531, 536	1872.....	2, 796, 241	1, 424, 393
1873.....	2, 560, 963	794, 712	1873.....	215, 495	357, 629	1873.....	2, 776, 458	1, 152, 341
1874.....	2, 401, 262	651, 262	1874.....	92, 041	148, 918	1874.....	2, 493, 303	800, 180
1875.....	2, 023, 733	707, 600	1875.....	53, 748	42, 082	1875.....	2, 077, 481	749, 682
1876.....	1, 868, 961	785, 383	1876.....	79, 455	4, 708	1876.....	1, 948, 416	790, 091
1877.....	2, 066, 594	682, 776	1877.....	67, 922	30	1877.....	2, 134, 516	682, 806
1878.....	2, 301, 215	788, 112	1878.....	55, 000	11	1878.....	2, 356, 215	788, 123
1879.....	2, 741, 853	993, 993	1879.....	87, 576	2, 611	1879.....	2, 829, 429	996, 604
1880.....	3, 835, 191	1, 305, 212	1880.....	754, 657	152, 791	1880.....	4, 589, 848	1, 458, 003
1881.....	4, 144, 254	1, 646, 518	1881.....	417, 849	302, 294	1881.....	4, 562, 103	1, 948, 812
1882.....	4, 623, 323	1, 507, 851	1882.....	496, 045	295, 666	1882.....	5, 119, 368	1, 803, 517
1883.....	4, 595, 510	1, 214, 905	1883.....	433, 602	118, 062	1883.....	5, 029, 112	1, 332, 967
1884.....	4, 097, 868	1, 022, 188	1884.....	283, 172	7, 971	1884.....	4, 381, 040	1, 030, 159
1885.....	4, 044, 526	976, 978	1885.....	151, 959	4, 203	1885.....	4, 196, 485	981, 181
1886.....	5, 683, 329	1, 600, 537	1886.....	261, 674	10, 507	1886.....	5, 945, 003	1, 611, 044
1887.....	6, 417, 148	2, 139, 640	1887.....	418, 919	77, 043	1887.....	6, 836, 067	2, 216, 683
1888.....	6, 489, 738	1, 403, 700	1888.....	325, 517	137, 024	1888.....	6, 815, 255	1, 540, 724
1889.....	7, 608, 642	1, 522, 204	1889.....	176, 727	24, 277	1889.....	7, 780, 369	1, 546, 481

Mr. H. V. Poor, in an argument presented to the ways and means committee of the house of representatives, at Washington, on February 3, 1880, gave the price of steel rails in British ports in 1863 as 369 shillings, or \$89.79.

## REPORT OF THE COMMISSIONER OF LABOR.

## IMPORTS OF IRON, STEEL, ETC., INTO THE UNITED STATES.

[Prepared from statistics furnished by the United States bureau of statistics.]

Commodities.	1886.		1887.		1888.		1889.	
	Tons of 2,000 pounds.	Values.	Tons of 2,000 pounds.	Values.	Tons of 2,000 pounds.	Values.	Tons of 2,000 pounds.	Values.
Pig iron .....	405,180	\$5,454,784	523,625	\$7,281,824	220,905	\$3,007,327	159,298	\$2,863,137
Scrap iron .....	97,635	1,056,387	351,014	4,589,753	50,175	531,365	40,227	447,492
Scrap steel .....	11,353	145,649	29,716	341,073	10,280	113,168	2,510	33,964
Bar iron .....	32,647	1,250,456	40,565	1,400,015	35,554	1,119,107	33,118	1,097,132
Iron rails .....	7	166	270	5,701	24	496	16	229
Steel rails .....	46,571	887,267	154,099	2,982,830	70,578	1,524,662	6,946	163,110
Cotton ties .....	11,561	288,360	24,276	600,454	33,942	837,750	23,313	630,950
Hoop, band, and scroll iron .....	128	2,949	35	985	187	7,042	7	291
Steel hoops, sheets, and plates .....	4,719	224,879	26,885	851,903	26,220	900,218	15,695	783,215
Steel ingots, bars, etc. ....	167,257	3,298,707	347,818	6,543,935	116,006	2,822,870	81,545	1,989,837
Sheet, plate, and tag- gers' iron .....	6,852	518,417	8,012	529,019	7,008	395,140	7,876	444,456
Tin plates .....	288,761	17,504,976	317,896	18,699,145	334,026	19,762,961	371,068	21,726,707
Wire rods .....	153,401	3,940,849	167,292	4,326,617	114,030	3,127,876	82,608	2,409,259
Wire and wire rope ..	2,689	512,389	3,247	582,548	3,549	579,178	4,571	731,216
Anvils, axles, and forgings .....	963	105,072	1,474	153,134	1,319	170,016	1,568	179,254
Chains .....	669	70,883	1,023	98,801	929	94,947	695	77,618
Cutlery .....	.....	1,822,511	.....	2,050,515	.....	2,239,385	.....	2,362,530
Files, file blanks, rasps, and floats ..	.....	57,478	.....	74,190	.....	62,864	.....	69,157
Firearms .....	.....	936,554	.....	1,053,573	.....	1,055,071	.....	1,233,242
Machinery .....	.....	1,697,883	.....	1,970,543	.....	1,966,839	.....	2,829,633
Needles .....	.....	335,514	.....	331,342	.....	284,000	.....	279,244
Other manufactures of iron and steel ..	.....	1,518,649	.....	1,952,707	.....	1,709,407	.....	1,676,069
<b>Total .....</b>	.....	<b>41,630,779</b>	.....	<b>56,420,607</b>	.....	<b>42,311,689</b>	.....	<b>42,027,742</b>
Iron ore .....	1,164,165	1,912,437	1,337,617	2,206,958	657,966	1,313,589	956,002	1,852,392

In the production of coal, one of the raw materials in the manufacture of pig iron, the United States is only surpassed by Great Britain, while in the production of iron ore, another raw material, the United States is nearly abreast of its great rival.

The following table shows our production of these important products in 1889 in comparison with their production by other countries in that year or in the most recent years for which official statistics or data for a careful estimate are available. English tons of 2,240 pounds are used in giving the statistics of Great Britain and the United States, and metric tons of 2,204 pounds are used for all the continental countries of Europe:

## THE WORLD'S PRODUCTION OF IRON ORE AND COAL.

Countries.	Iron ore.		Coal.	
	Year.	Tons.	Year.	Tons.
Great Britain .....	1888 .....	14,590,713	1888 .....	169,935,219
United States .....	1889 .....	14,096,427	1888 .....	123,674,771
Germany and Luxemburg ..	1888 .....	10,664,800	1888 .....	81,960,000
France .....	1889 .....	2,500,000	1889 .....	24,588,880
Belgium .....	1888 .....	213,000	1889 .....	19,810,000
Austria and Hungary .....	1888 .....	2,200,000	1888 .....	24,000,000
Russia .....	1887 .....	1,334,699	1887 .....	4,464,174
Sweden .....	1888 .....	959,540	1889 .....	300,000
Spain .....	1889 .....	4,500,000	1889 .....	1,000,000
Italy .....	1887 .....	230,575	1887 .....	327,665
Other countries .....	1889 .....	2,000,000	1889 .....	12,000,000
<b>Total .....</b>	.....	<b>53,289,754</b>	.....	<b>462,060,709</b>
Percentage of the United States ..	.....	<b>26.4</b>	.....	<b>26.7</b>

The following table gives the world's production of pig iron and steel in the most recent years for which statistics are available, but chiefly for 1889. English tons of 2,240 pounds are used in giving the statistics of Great Britain and the United States, and metric tons of 2,204 pounds for all the continental countries of Europe. As in the case of iron ore and coal, the United States is only surpassed by Great Britain in the production of pig iron and steel. (a)

THE WORLD'S PRODUCTION OF PIG IRON AND STEEL.

Countries.	Pig iron.		Steel.	
	Year.	Tons.	Year.	Tons.
Great Britain.....	1889.....	8,245,336	1889.....	3,669,862
United States.....	1889.....	7,603,642	1889.....	3,385,732
Germany and Luxemburg.....	1889.....	4,387,504	1888.....	1,862,000
France.....	1889.....	1,722,480	1889.....	529,021
Belgium.....	1889.....	847,000	1889.....	248,000
Austria and Hungary.....	1888.....	761,606	1888.....	355,038
Russia.....	1887.....	532,649	1887.....	222,025
Sweden.....	1888.....	457,052	1888.....	114,537
Spain.....	1888.....	200,000	1887.....	24,500
Italy.....	1887.....	12,285	1887.....	73,262
Other countries.....	1889.....	100,000	1889.....	30,000
Total.....		24,869,534		10,513,977
Percentage of the United States.....		30		32

It will be seen that in 1889 the United States produced 30 per cent. of the world's production of pig iron and 32 per cent. of its production of all kinds of steel.

The statistics of the production of pig iron and steel which have been given in the above table show that there are now three great iron and steel producing countries, namely Great Britain, the United States, and Germany, whereas only twenty-five years ago Great Britain was so far ahead of all other countries in the manufacture of these products that her manufacturers and statesmen did not dream that she would ever have serious competitors in the world's markets. The iron and steel consuming countries of the world were supposed to be dependent upon her for Welsh rails for their railroads, the finer qualities of Scotch pig iron for foundry purposes, Low Moor and other favorite brands of plate iron for boilers, Crown and other choice brands of bar iron from Staffordshire, English-drawn wire, English hoops and cotton ties, Sheffield cutlery and edge tools, and all kinds of iron and steel machinery in the manufacture of which great skill is required. At that time the Bessemer steel industry had not been established in the United States and its possibilities were not understood even in England where it originated, and we had but just commenced to develop our rich stores of Lake Superior iron ores and to apply our excellent Connellsville coke to their reduction. Germany lagged far behind as a producer of pig iron and steel and all their products.

The basic process of manufacturing steel from highly phosphoriferous ores, with which Germany is abundantly supplied, had not then been invented. But Great Britain was busy making steel by various new and old processes; she had an abundant supply of cheap coal; she had

a Since the foregoing table was prepared the United States has taken the first place in the production of iron.



long known the virtues of Durham and other coke; and she had a variety of iron ores in abundance everywhere.

Since those days the United States and Germany have rapidly and even phenomenally increased their production of pig iron and steel, and of all articles made from them. The whole world, indeed, has greatly increased its production of iron and steel in the last twenty-five years, a result which is largely due to the extraordinary development in that period of railroad enterprises in all civilized countries, and to the invention of the Bessemer process which has made cheap steel rails and cheap transportation possible; but the United States and Germany have made more progress than any other countries, and very much more relatively than Great Britain.

The following table shows the world's production of pig iron and steel in 1878, twelve years ago, complete statistics for an earlier period being inaccessible. Gross tons [of 2,240 pounds] are used for Great Britain and the United States, and metric tons [of 2,204 pounds] for all other countries:

THE WORLD'S PRODUCTION OF PIG IRON AND STEEL IN 1878.

Countries.	Tons.	
	Pig iron.	Steel.
Great Britain .....	6,381,051	1,100,000
United States .....	2,301,215	731,976
Germany and Luxemburg .....	2,147,641	570,328
France .....	1,417,072	281,800
Belgium .....	493,544	95,000
Austria and Hungary .....	434,250	129,478
Russia .....	409,633	66,593
Sweden .....	333,496	25,918
Spain .....	60,000	250
Italy .....	20,000	3,000
Other countries .....	120,000	16,750
Total .....	14,117,902	3,021,093

By comparing this table with the preceding table for 1889 it will be seen that the world's production of pig iron increased from 14,117,902 tons in 1878 to 24,869,534 tons in 1889, or 76 per cent., while the world's production of steel increased in the same period from 3,021,093 tons to 10,513,977 tons, or 248 per cent. This is wonderful progress. The figures we give are most significant, however, in showing how rapidly the use of steel has grown in favor, notwithstanding the increased use of manufactured iron. The cheapness with which steel can now be produced has greatly stimulated the production of pig iron suitable for its manufacture.

The following tables exhibit in percentages the relative position of Great Britain, the United States, Germany, and all other iron and steel producing countries in 1878 and 1889. Gross and metric tons are used as heretofore explained. The small pig iron production of Luxemburg is necessarily included with that of Germany.

## THE WORLD'S PRODUCTION OF PIG IRON IN 1878 AND 1889.

Countries.	Tons.		Per cent.	
	1878.	1889.	1878.	1889.
Great Britain.....	6,381,051	8,245,336	45.20	33.16
United States.....	2,301,215	7,603,642	16.30	30.57
Germany and Luxemburg.....	2,147,641	4,387,504	15.21	17.64
France.....	1,417,072	1,722,480	10.04	6.93
Belgium.....	493,544	847,000	3.50	3.41
Austria and Hungary.....	434,250	761,606	3.08	3.06
Russia.....	409,633	532,649	2.90	2.14
Sweden.....	333,496	457,052	2.36	1.84
Spain.....	60,000	200,000	.42	.80
Italy.....	20,000	12,265	.14	.05
Other countries.....	120,000	100,000	.85	.40
Total.....	14,117,902	24,869,534	100.00	100.00

This table shows that Great Britain's production of pig iron has decreased in the last eleven years from 45.20 to 33.16 per cent. of the total product, while that of the United States has increased from 16.30 to 30.57 per cent., and that of Germany from 15.21 to 17.64 per cent.

## THE WORLD'S PRODUCTION OF STEEL IN 1878 AND 1889.

Countries.	Tons.		Per cent.	
	1878.	1889.	1878.	1889.
Great Britain.....	1,100,000	3,669,862	36.41	34.90
United States.....	731,976	3,385,732	24.23	32.20
Germany.....	570,328	1,862,000	18.88	17.71
France.....	281,800	529,021	9.33	5.03
Belgium.....	95,000	248,000	3.14	2.36
Austria and Hungary.....	129,478	355,038	4.29	3.38
Russia.....	66,593	222,025	2.20	2.11
Sweden.....	25,918	114,537	.86	1.09
Spain.....	250	24,500	.01	.23
Italy.....	3,000	73,262	.10	.70
Other countries.....	16,750	30,000	.55	.29
Total.....	3,021,093	10,513,977	100.00	100.00

This table shows that Great Britain has not quite maintained her relative position as a steel producer during the past eleven years; that Germany has maintained her position a little better than Great Britain, and that the United States has made a decided gain in the percentage of her production.

But Great Britain, while fast losing her leadership in the manufacture of iron and steel and sharing it with the United States and Germany, is destined to remain a powerful competitor with all iron and steel producing countries, both in their own and in neutral markets. Although a large importer in late years of iron ores of special qualities, she still mines large quantities of native ores, while the exhaustion of her vast supplies of coal is only a remote possibility. The foreign ores which she imports, chiefly from Spanish mines, are easily obtained.



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## PART I.

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### COST OF PRODUCTION:

PIG IRON.	STEEL INGOTS.	BITUMINOUS COAL.
MUCK BAR IRON.	STEEL RAILS.	COKE.
FINISHED BAR IRON.	MISCELLANEOUS STEEL.	IRON ORE.
MISCELLANEOUS IRON.		LIMESTONE.

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## COST OF PRODUCTION.

### GENERAL TABLES.

The general tables relating to the cost of production, which constitute the bases of the analyses contained in Part I, are numbered from I to XI, inclusive. They cover 618 establishments, and are, respectively, for the cost of production of pig iron, of muck bar iron, of finished bar iron, of miscellaneous iron products, of steel ingots, of steel rails, of miscellaneous steel products, of bituminous coal, of coke, of iron ore, and of limestone, at various establishments, mines, ovens, and quarries in various states. For each general table there are numerous sub-tables, designated by capital letters. The establishments comprehended by each table are numbered separately; that is to say, the pig iron tables have their own series of numbers, ranging from 1 to 118, inclusive; the muck bar iron establishments have a separate series, running from 1 to 38, inclusive; the finished bar establishments from 1 to 29, inclusive, etc. An establishment number under one industry has no relation to the same number under another industry. It has been difficult, from a statistical point of view, to present the pig iron tables in such a way that all of their features might be easily used. The basis of presentation finally adopted is that of kind of product, all the establishments for one kind of product being presented *seriatim* for the different industries or countries; for instance all the establishments producing gray forge iron are brought together, with all the establishments in one district following each other. Other methods of presentation were carefully considered, but this on the whole seemed to have less objections than any other form. In some respects it might have been more convenient to have brought all the establishments for a specified district together, without regard to the kind of product, but it is evident that this method, while having some advantages, would have created much more confusion than that adopted. By notes accompanying each presentation or table, and through the analysis given following each table, it is felt that their various elements, complicated and analytical in themselves as they are, have been presented in the clearest manner possible under the circumstances. The industries are taken up one at a time, and in the order named, and all the appropriate analytical tables and text discussion belonging to each immediately follow it. Thus, under the first title, Cost of production of pig iron, etc., everything relating to pig iron is taken up. This method is somewhat different from that generally adopted, where great tables are the result of an investigation, in which case they are usually given collectively at the close of the report, the analyses preceding them.





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PIG IRON.

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## PIG IRON.

The first industry taken up in accordance with the plan which has been described in the introduction is pig iron. The tabulations present not only the cost of producing pig iron, but, so far as possible, the circumstances surrounding its production. As has been mentioned, the United States has been divided into two districts, the northern and the southern, and Europe into two, Great Britain and the continent of Europe. Whatever has been found that moderates or heightens, or in any manner changes the full force of the figures given, or whatever in any respect needs explanation, has been stated in the various accompanying notes. The titles of the table and sub-tables are here shown :

TABLE I.—*Cost of Production of Pig Iron at Various Establishments in Various States.*

- A.—Period covered and quantity of product.
- B.—The appliances of production.
- C.—The assemblage of the materials.
- D.—Chemical analysis of ore.
- E.—Quantity and cost of materials charged into the furnace.
- F.—Proportions of materials charged into the furnace.
- G.—General statement of cost for the period.
- H.—Elements of cost in one ton of 2,240 pounds.
- J.—Per cent. of each element of cost in one ton of 2,240 pounds.
- K.—Additional cost of certain theoretical elements.
- L.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

The days of running time, reported in Table I.—A, are days of two turns (or in a very few cases of three turns) each, or practically days of 24 hours, as the operations of a blast furnace except in accidental cases of stoppage are practically continuous.

In the column of description is shown the kind or grade of pig iron produced. The grading has been done as fully as it was possible to do in a tabular statement. The term run of furnace is used to designate the product of a furnace which produced several grades of pig iron in considerable quantities, and for which no means of separately determining the cost of each grade existed. This division into grades is important, as it furnishes a reason for the differences in the cost of materials in different establishments; for the materials necessary to make Bessemer iron, for example, are of a better grade, and usually cost<sup>a</sup> more than those for forge iron.

Table I.—B, relating to the appliances of production, has an important bearing oftentimes in determining the reason for the differences in daily output per furnace shown in the preceding table.

Table I.—C, relating to the assemblage of the materials, shows the means and cost of transporting the several materials to the furnace and the respective distances they are transported. This table is believed to be fairly accurate, but attention should be called to two points in connection with it. First, the cost per ton for transportation is probably in many cases the official published rate, while in others it may be the actual rate paid, a rebate having been secured by the establishment; second, the size of the ton was not usually reported, and differences in this may exist.

The chemical analyses of the ores used, reported in Table I.—D, while not complete, show the principal constituents of the ores, and become valuable in connection with the tables reporting quantities of ore used.

The next two tables (I.—E and I.—F), relating to the quantities and cost of materials charged into the furnace, and proportions of materials charged should be considered in connection with Table I.—D and the table showing the cost of the product per ton (Table I.—H). It will be found upon examination that, as a rule, when the ore shows a high percentage of metallic iron the amount charged into the furnace per ton of product is correspondingly small.

The next three tables (I.—G, I.—H, and I.—J) show respectively the total cost, the cost in a ton of product, and the per cent. of cost in a ton of product of each of the usual and necessary elements of cost in the production of pig iron. Insurance, interest, depreciation of value of the plant, and charges for freight of product to the place of free delivery have been omitted from these tables as not being essential elements of the cost of production, but with the exception of freight they are given, so far as reported, in the supplementary tables (I.—K and I.—L) which follow.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES.

[The names of the states are omitted to prevent the identification of individual establishments, but the states covered and number of establishments for each are as follows: In the northern district of the United States—Illinois, 3; Indiana, 1; Maryland, 1; Michigan, 2; Missouri, 1; New York, 5; Ohio, 21; Pennsylvania, 34; West Virginia, 4; Wisconsin, 1. In the southern district of the United States—Alabama, 12; Georgia, 1; Tennessee, 6; Virginia, 6. In continental Europe—Belgium, 6; France, 1; Germany, 5. In Great Britain, 8.]

**A.—PERIOD COVERED AND QUANTITY OF PRODUCT.**

Estab- lish- ment num- ber.	Locality.	Period covered.		Days of run- ning time.	Pig iron produced.			Num- ber of fur- naces.
		Terminal dates.	Description.		Tons of 2,240 pounds.			
					Total.	Per day per fur- nace.		
1	Northern district, United States.	July 1, 1889, to Dec. 31, 1889	150	Hot blast charcoal ..	2,890	19	1	
2	do .....	Dec. 1, 1888, to Nov. 30, 1889	344	Hot blast charcoal ..	24,945	73	1	
3	do .....	Apr. 15, 1889, to Nov. 15, 1889	196	Hot blast charcoal ..	11,779	60	1	
4	do .....	Jan. 1, 1889, to Dec. 31, 1889	305	Hot blast charcoal ..	13,514	44	1	
5	do .....	Apr. 1, 1889, to Mar. 31, 1890	241	Hot blast charcoal ..	3,000	12	1	
6	do .....	Jan. 1, 1889, to Dec. 31, 1889	248	Cold blast charcoal..	2,500	10	1	
7	do .....	Jan. 1, 1889, to Dec. 31, 1889	317	Cold blast charcoal..	1,582	5	1	
8	Southern district, U. S.	Jan. 1, 1889, to Dec. 31, 1889	353	Hot blast charcoal ..	14,398	41	1	
9	Northern district, U. S.	Jan. 1, 1889, to Dec. 31, 1889	365	Bessemer.....	a18,614	b140	1	
10	do .....	Jan. 1, 1889, to Dec. 31, 1889	336	Bessemer.....	51,506	153	1	
11	do .....	Nov. 1, 1888, to Oct. 31, 1889	297	Bessemer.....	21,074	71	1	
12	do .....	Jan. 7, 1889, to July 1, 1889	171	Bessemer.....	25,393	148	1	
13	do .....	Jan. 1, 1889, to Dec. 31, 1889	338	Bessemer.....	24,741	73	1	
14	do .....	Jan. 1, 1889, to Dec. 31, 1889	344	Bessemer.....	84,620	123	2	
15	do .....	Jan. 1, 1889, to Dec. 31, 1889	288	Bessemer.....	32,879	114	1	
16	do .....	Jan. 1, 1889, to Dec. 31, 1889	205	Bessemer.....	72,884	178	2	
17	do .....	Jan. 1, 1889, to Dec. 31, 1889	310	Bessemer (c) .....	30,000	97	1	
18	do .....	Jan. 1, 1888, to Dec. 31, 1888	216	Bessemer.....	25,715	119	1	
19	do .....	Aug. 3, 1889, to Feb. 1, 1890	182	Bessemer.....	25,450	140	1	
20	do .....	Jan. 1, 1888, to Dec. 31, 1888	365	Bessemer.....	43,800	120	1	
21	do .....	Apr. 1, 1889, to July 1, 1889	91	Bessemer.....	21,450	236	1	
22	do .....	July 1, 1889, to Dec. 31, 1889	184	Bessemer.....	22,080	120	1	
23	do .....	Jan. 1, 1889, to Dec. 31, 1889	365	Bessemer.....	30,392	83	1	
24	do .....	June 1, 1889, to Dec. 31, 1889	214	Bessemer.....	24,189	113	1	
25	do .....	Jan. 1, 1889, to Dec. 31, 1889	348	Bessemer.....	27,132	78	1	
26	do .....	Jan. 1, 1889, to Dec. 31, 1889	309	Bessemer.....	31,474	102	1	
27	do .....	Jan. 1, 1889, to Dec. 31, 1889	333	Bessemer.....	41,634	63	2	
28	do .....	Jan. 1, 1889, to Dec. 31, 1889	365	Bessemer.....	43,800	120	1	
29	do .....	Jan. 1, 1888, to Dec. 31, 1888	226	Bessemer.....	32,845	145	1	
30	do .....	Jan. 1, 1889, to June 30, 1889	180	Bessemer.....	21,194	118	1	
31	do .....	July 1, 1889, to Dec. 31, 1889	173	Bessemer.....	20,259	117	1	
32	do .....	Jan. 1, 1889, to Dec. 31, 1889	191	Bessemer.....	24,647	129	1	
33	Continent of Europe.	July 1, 1887, to June 30, 1888	366	Bessemer.....	107,278	73	4	
34	do .....	Apr. 7, 1889, to May 4, 1889	28	Bessemer.....	d1,508	e35	3	
35	do .....	Jan. 1, 1889, to Dec. 31, 1889	365	Bessemer.....	85,626	117	2	
36	Great Britain.	Apr. 1, 1888, to Sept. 29, 1888	182	Bessemer.....	31,714	87	2	
37	do .....	Apr. 1, 1888, to Sept. 29, 1888	182	Bessemer.....	f45,408	g69	4	
38	do .....	Dec. 30, 1888, to June 29, 1889	182	Bessemer.....	34,093	62	3	
39	do .....	Nov. 1, 1888, to Oct. 31, 1889	363	Bessemer.....	62,929	87	2	
40	Continent of Europe.	Mar. 1, 1890, to Mar. 31, 1890	31	Spiegeleisen.....	1,067	34	1	
41	Northern district, U. S.	July 17, 1888, to Dec. 31, 1888	167	Foundry No. 1.....	8,296	50	1	
42	do .....	June 1, 1888, to May 31, 1889	365	Foundry No. 1.....	29,390	81	1	

a Establishment also produced during the period 32,417 tons of foundry pig iron.

b Including production of foundry pig iron.

c Guaranteed as having under one-tenth of 1 per cent. of phosphorus.

d Establishment also produced during the period 1,392 tons of foundry pig iron No. 2.

e Including production of foundry pig iron No. 2.

f Establishment also produced during the period 4,843 tons of gray forge pig iron.

g Including production of gray forge pig iron.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**A.—PERIOD COVERED AND QUANTITY OF PRODUCT—Continued.**

Es- tab- lish- ment num- ber.	Locality.	Period covered.		Pig iron produced.			Num- ber of fur- naces.
		Terminal dates.	Days of run- ning time.	Description.	Tons of 2,240 pounds.		
					Total.	Per day per fur- nace.	
43	Continent of Europe.	(a)	(a)	Foundry No. 1.....	(a)	(a)	(a)
44	do	Apr. 7, 1889, to May 4, 1889	28	Foundry No. 2.....	b 1,392	c 35	3
45	do	(a)	(a)	Foundry No. 3.....	(a)	(a)	(a)
46	Northern district, U. S.	Jan. 1, 1889, to Dec. 31, 1889	365	Foundry .....	15,954	44	1
47	do	Nov. 1, 1888, to June 30, 1889	234	Foundry .....	11,467	49	1
48	do	Nov. 1, 1888, to Oct. 31, 1889	313	Foundry .....	23,720	76	1
49	do	Apr. 1, 1889, to Dec. 28, 1889	271	Foundry .....	17,757	66	1
50	do	Jan. 1, 1889, to Dec. 31, 1889	365	Foundry .....	d 32,417	c 140	1
51	do	Jan. 1, 1888, to Dec. 31, 1888	233	Foundry .....	24,867	107	1
52	do	July 1, 1888, to May 4, 1889	230	Gray forge .....	52,494	114	2
53	do	Jan. 1, 1889, to Dec. 31, 1889	365	Gray forge .....	57,100	156	1
54	do	Jan. 1, 1889, to June 30, 1889	181	Gray forge .....	22,931	63	2
55	do	Oct. 21, 1888, to Apr. 21, 1889	180	Gray forge .....	22,060	123	1
56	do	Jan. 1, 1888, to Dec. 31, 1888	182	Gray forge .....	14,214	78	1
57	do	July 25, 1889 .....	1	Gray forge .....	195	195	1
58	do	July 1, 1889, to Sept. 1, 1889	62	Gray forge .....	11,222	181	1
59	do	Jan. 1, 1889, to Dec. 31, 1889	365	Gray forge .....	15,415	42	1
60	Continent of Europe.	Jan. 1, 1889, to Dec. 31, 1889	365	Gray forge .....	67,839	93	2
61	Great Britain.	Apr. 1, 1888, to Sept. 29, 1888	182	Gray forge .....	e 4,843	c 69	4
62	do	Nov. 1, 1888, to Oct. 31, 1889	365	Gray forge (f).....	g 21,873	h 82	1
63	do	Nov. 1, 1888, to Oct. 31, 1889	365	Gray forge (i).....	j 7,980	k 82	1
64	Continent of Europe.	Oct. 1, 1889, to Oct. 31, 1889	22	Gray forge .....	1,258	57	1
65	Northern district, U. S.	Sept. 10, 1888, to May 21, 1889	252	Run of furnace.....	8,489	34	1
66	do	July 1, 1888, to June 30, 1889	340	Run of furnace.....	39,985	118	1
67	do	July 1, 1888, to June 30, 1889	304	Run of furnace.....	32,633	107	1
68	do	Oct. 1, 1889, to Dec. 31, 1889	92	Run of furnace.....	11,232	122	1
69	do	July 1, 1889, to Dec. 31, 1889	182	Run of furnace.....	38,415	106	2
70	do	Jan. 1, 1889, to Dec. 31, 1889	365	Run of furnace.....	16,050	44	1
71	do	Jan. 1, 1889, to Dec. 31, 1889	361	Run of furnace.....	56,316	156	1
72	do	Jan. 1, 1888, to Dec. 31, 1888	366	Run of furnace.....	36,479	100	1
73	do	Jan. 1, 1889, to Dec. 31, 1889	350	Run of furnace.....	14,724	42	1
74	do	Jan. 1, 1888, to Dec. 31, 1888	366	Run of furnace.....	32,739	89	1
75	do	Jan. 1, 1888, to Dec. 31, 1888	366	Run of furnace.....	34,543	94	1
76	do	June 1, 1888, to May 31, 1889	357	Run of furnace.....	32,660	91	1
77	do	July 1, 1888, to June 30, 1889	309	Run of furnace.....	26,016	84	1
78	do	July 1, 1889, to July 31, 1889	31	Run of furnace.....	1,051	34	1
79	do	Oct. 1, 1889, to Oct. 31, 1889	30	Run of furnace.....	1,625	54	1
80	do	Dec. 1, 1889, to Dec. 31, 1889	31	Run of furnace.....	2,769	45	2
81	do	July 1, 1888, to June 29, 1889	296	Run of furnace.....	18,214	62	1
82	do	May 1, 1889, to July 31, 1889	92	Run of furnace.....	2,343	25	1
83	do	May 1, 1889, to July 31, 1889	92	Run of furnace.....	2,447	27	1
84	do	Feb. 1, 1889, to May 31, 1889	120	Run of furnace.....	5,877	49	1
85	do	Oct. 1, 1889, to Dec. 31, 1889	92	Run of furnace.....	1,385	15	1
86	do	July 1, 1889, to Dec. 31, 1889	184	Run of furnace.....	17,689	96	1
87	do	Aug. 29, 1889, to Jan. 1, 1890	124	Run of furnace.....	9,182	74	1
88	do	Jan. 1, 1889, to Dec. 31, 1889	306	Run of furnace.....	24,401	80	1
89	do	Jan. 1, 1889, to Dec. 31, 1889	334	Run of furnace.....	37,240	111	1
90	do	Sept. 1, 1889, to Mar. 31, 1890	167	Run of furnace.....	39,873	119	2
91	Southern district, U. S.	Sept. 1, 1888, to Aug. 31, 1889	283	Run of furnace.....	39,028	69	2
92	do	Jan. 1, 1889, to Oct. 13, 1889	286	Run of furnace.....	35,036	61	2
93	do	Oct. 7, 1889, to Dec. 31, 1889	78	Run of furnace.....	6,591	85	1
94	do	Jan. 1, 1889, to Dec. 31, 1889	344	Run of furnace.....	35,158	102	1

a Not reported.

b Establishment also produced during the period 1,508 tons of Bessemer pig iron.

c Including production of Bessemer pig iron.

d Establishment also produced during the period 18,614 tons of Bessemer pig iron.

e Establishment also produced during the period 45,408 tons of Bessemer pig iron.

f Special grade.

g Establishment also produced during the period 7,980 tons of ordinary grade gray forge pig iron.

h Including production of ordinary grade gray forge pig iron.

i Ordinary grade.

j Establishment also produced during the period 21,873 tons of special grade gray forge pig iron.

k Including production of special grade gray forge pig iron.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## A.—PERIOD COVERED AND QUANTITY OF PRODUCT—Concluded.

Estab- lish- ment num- ber.	Locality.	Period covered.		Pig iron produced.			Num- ber of fur- naces.
		Terminal dates.	Days of run- ning time.	Description.	Tons of 2,240 pounds.		
					Total.	Per day per fur- nace.	
95	Southern dis- trict, U. S.	July 1, 1888, to Dec. 31, 1889	371	Run of furnace.....	19,323	52	1
96	do	Apr. 16, 1889, to Feb. 1, 1890	290	Run of furnace.....	23,486	81	1
97	do	Oct. 1, 1889, to Jan. 31, 1890	106	Run of furnace.....	10,353	98	1
98	do	Oct. 9, 1889, to Jan. 9, 1890	83	Run of furnace.....	7,200	87	1
99	do	Jan. 1, 1890, to Jan. 31, 1890	31	Run of furnace.....	12,595	102	4
100	do	Feb. 1, 1889, to Jan. 31, 1890	365	Run of furnace.....	62,561	86	2
101	do	Feb. 1, 1889, to Jan. 31, 1890	323	Run of furnace.....	46,770	72	2
102	do	May 1, 1889, to May 31, 1889	31	Run of furnace.....	2,774	89	1
103	do	May 1, 1888, to Apr. 30, 1889	365	Run of furnace.....	34,506	95	1
104	do	Nov. 1, 1889, to Nov. 30, 1889	30	Run of furnace.....	1,921	64	1
105	do	Nov. 1, 1889, to Nov. 30, 1889	30	Run of furnace.....	2,792	47	2
106	do	Nov. 1, 1889, to Nov. 30, 1889	30	Run of furnace.....	3,400	113	1
107	do	Jan. 1, 1889, to Dec. 31, 1889	365	Run of furnace.....	73,000	100	2
108	do	Feb. 1, 1889, to Jan. 31, 1890	365	Run of furnace.....	61,133	84	2
109	do	Jan. 1, 1888, to Dec. 31, 1888	315	Run of furnace.....	32,921	105	1
110	do	Jan. 1, 1888, to Dec. 31, 1888	364	Run of furnace.....	30,338	42	2
111	do	Jan. 1, 1888, to Dec. 31, 1888	328	Run of furnace.....	12,092	37	1
112	do	Apr. 1, 1888, to Mar. 31, 1889	365	Run of furnace.....	39,947	109	1
113	do	July 1, 1888, to June 30, 1889	361	Run of furnace.....	42,948	119	1
114	do	Dec. 1, 1888, to Nov. 30, 1889	338	Run of furnace.....	11,855	35	1
115	Continent of Europe.	Jan. 1, 1889, to Dec. 31, 1889	365	Run of furnace.....	33,685	46	2
116	Great Britain.	Jan. 1, 1889, to Apr. 2, 1889	91	Basic.....	13,200	(a)	(a)
117	Continent of Europe.	Jan. 1, 1888, to Dec. 31, 1888	(a)	Thomas.....	(a)	(a)	(a)
118	do	Oct. 1, 1889, to Oct. 31, 1889	31	Thomas.....	1,690	55	1

(a) Not reported.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**B.—THE APPLIANCES OF PRODUCTION.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Furnaces.					Blowing engines.	
	Number.	Diameter of bosh (inches).	Height of stack (feet).	Heating stoves for each.	Years without relining.	Number.	Kind of fuel used.
1	1	132	48	1	3	1	Furnace gas.
2	1	120	36	1	2	1	Furnace gas.
3	1	132	50	1	(a)	1	Furnace gas.
4	1	132	55	1	$1\frac{1}{2}$	1	Furnace gas and wood.
5	1	120	32	1	2	1	Furnace gas.
6	1	123	36	1	$1\frac{1}{2}$	1	Furnace gas.
7	1	96	30	-----	1	1	Furnace gas.
8	1	138	55	2	$1\frac{1}{2}$	2	Furnace gas.
9	1	212	80	4	3	2	Furnace gas.
10	1	216	80	4	(b)	2	Furnace gas and oil.
11	1	204	65	3	$1\frac{1}{2}$	2	Furnace gas.
12	1	192	75	4	3	2	Furnace gas and coal.
13	1	162	65	3	2	1	Furnace gas and coal.
14	2	(c)	(d)	3	1	4	Furnace gas.
15	1	180	75	3	2	2	Furnace gas and coal.
16	2	240	(e)	3	$2\frac{1}{2}$	4	Furnace gas.
17	1	189	70	3	3	3	Furnace gas.
18	1	180	75	3	2	2	Furnace gas.
19	1	204	80	3	2	3	Furnace gas.
20	1	204	70	3	2	4	Furnace gas.
21	1	240	75	3	2	3	Furnace gas.
22	1	204	70	3	2	4	Furnace gas.
23	1	168	65	3	3	2	Coal.
24	1	180	75	4	2	3	Furnace gas.
25	1	144	65	2	2	2	Furnace gas.
26	1	180	70	3	2	2	Furnace gas.
27	2	(f)	(g)	2	$1\frac{1}{2}$	3	Furnace gas.
28	1	192	75	3	5	2	Furnace gas.
29	1	192	75	3	2	2	Furnace gas.
30	1	216	65	3	$2\frac{1}{2}$	2	Furnace gas.
31	1	216	65	3	$2\frac{1}{2}$	2	Furnace gas and coal.
32	1	192	75	3	2	2	Furnace gas.
33	4	220	60	4	8	3	Furnace gas.
34	3	220	60	4	8	3	Coal.
35	2	236	66	6	(h)	2	Furnace gas and coal.
36	2	240	60	3	7	2	Furnace gas and coal.
37	4	(i)	60	(j)	8	2	Furnace gas and coal.
38	3	210	(k)	4	3	1	Coal.
39	2	228	75	3	12	2	Furnace gas.
40	1	157	56	2	6	1	Furnace gas.
41	1	168	65	3	$1\frac{1}{2}$	1	Furnace gas.
42	1	180	70	3	2	2	Furnace gas.
43	(l)	(l)	(l)	(l)	(l)	(l)	(l)
44	3	(l)	(l)	(l)	8	3	Coal.
45	(l)	(l)	(l)	(l)	(l)	(l)	(l)
46	1	192	60	2	3	1	Furnace gas.
47	1	180	65	3	3	1	Furnace gas.
48	1	204	63	3	$1\frac{3}{4}$	2	Furnace gas.
49	1	192	65	4	$1\frac{1}{2}$	1	Furnace gas and coal.
50	1	212	80	4	3	2	Furnace gas.
51	1	204	80	3	3	2	Furnace gas.
52	2	192	70	2	$2\frac{1}{2}$	3	Furnace gas and coal.
53	1	192	75	3	2	2	Furnace gas.
54	2	186	55	2	5	2	Furnace gas.
55	1	186	70	3	(l)	3	Furnace gas.
56	1	174	65	3	2	2	Furnace gas.
57	1	228	80	3	(l)	3	Furnace gas.
58	1	240	75	3	2	3	Furnace gas.
59	1	156	54	3	2	1	Furnace gas and coal.
60	2	(l)	(l)	(m)	(n)	3	Furnace gas.
61	4	(i)	60	(j)	8	2	Furnace gas and coal.

a Furnace built 9 years; never yet relined.

b Furnace new; never yet relined.

c One 204 inches and one 186 inches.

d One 80 feet and one 70 feet.

e One 75 feet and one 80 feet.

f One 152 inches and one 164 inches.

g One 65 feet and one 70 feet.

h Furnace built 6 years; never yet relined.

i One 210 inches and three 192 inches.

j One with 6 and three with 5 heating stoves each.

k One 66 feet and two 60 feet.

l Not reported.

m One with 3 and one with 4 heating stoves.

n One 10 and one 17 years.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**B.—THE APPLIANCES OF PRODUCTION—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Furnaces.					Blowing engines.	
	Number.	Diameter of bosh (inches).	Height of stack (feet).	Heating stoves for each.	Years without relining.	Number.	Kind of fuel used.
62	1	240	75	4	12	2	Furnace gas.
63	1	240	75	4	12	2	Furnace gas.
64	1	(a)	(a)	4	8	1	Furnace gas and coal.
65	1	144	52	2	3	1	Furnace gas.
66	1	192	75	3	1½	2	Furnace gas.
67	1	192	75	3	2	2	Furnace gas.
68	1	186	72	3	1½	3	Furnace gas and coal.
69	2	192	75	3	(b)	4	Furnace gas.
70	1	174	57	3	5	2	Furnace gas.
71	1	192	75	2	1½	2	Furnace gas.
72	1	222	77	3	2½	3	Furnace gas.
73	1	186	59	2	2	1	Furnace gas.
74	1	186	56	5	2	1	Furnace gas.
75	1	192	60	3	2	2	Furnace gas and coal.
76	1	168	63	4	1½	2	Furnace gas and coal.
77	1	186	72	3	2	1	Furnace gas and coal.
78	1	156	50	3	2½	1	Furnace gas.
79	1	162	60	2	3	1	Furnace gas.
80	2	204	65	2	3½	2	Furnace gas and coal.
81	1	198	65	3	2½	3	Furnace gas.
82	1	150	61	2	2	1	Coal.
83	1	144	60	2	3	1	Furnace gas and coal.
84	1	162	60	2	3	1	Furnace gas.
85	1	138	43	1	5	1	Furnace gas.
86	1	168	60	2	3	2	Furnace gas and coal.
87	1	148	60	3	1½	1	Furnace gas and coal.
88	1	168	70	3	1½	2	Furnace gas.
89	1	180	65	4	1½	2	Furnace gas and coal.
90	2	204	66	3	2½	4	Furnace gas and coal.
91	2	204	75	(c)	2	6	Furnace gas and coal.
92	2	(d)	(e)	2	2½	5	Furnace gas and coal.
93	1	192	75	2	(a)	2	Furnace gas and coal.
94	1	216	75	3	2	2	Furnace gas and coal.
95	1	164	65	3	3	2	Furnace gas and coal.
96	1	210	65	3	(a)	3	Furnace gas and coal.
97	1	192	75	3	(a)	2	Furnace gas and coal.
98	1	192	75	3	(a)	3	Furnace gas.
99	4	240	80	4	(a)	12	Furnace gas and coal.
100	2	(f)	(g)	3	2½	5	Furnace gas and coal.
101	2	204	75	4	(a)	4	Furnace gas and coal.
102	1	204	63	4	2	3	Furnace gas.
103	1	192	69	3	3	2	Furnace gas and coal.
104	1	156	60	2	2	2	Furnace gas.
105	2	(h)	65	2	2½	4	Furnace gas.
106	1	192	69	3	2½	2	Furnace gas.
107	2	216	75	3	3½	5	Furnace gas.
108	2	240	70	3	1½	4	Furnace gas.
109	1	192	70	3	1½	2	Furnace gas.
110	2	(i)	60	2	2½	4	Furnace gas and coal.
111	1	150	61	4	(a)	2	Furnace gas.
112	1	204	75	3	(a)	2	Furnace gas and coke.
113	1	222	80	4	2	3	Furnace gas.
114	1	132	60	2	1½	1	Furnace gas and coal.
115	2	(j)	(k)	(l)	8	2	Furnace gas and coal.
116	(a)	(a)	(a)	(a)	(a)	(a)	Furnace gas.
117	(a)	(a)	(a)	(a)	(a)	(a)	(a)
118	1	(a)	(a)	3	7	1	Furnace gas and coal.

a Not reported.

b One furnace in use 2 years; one in use 3 years; neither ever relined.

c One with 3 and one with 4 heating stoves.

d One 198 inches and one 213 inches.

e One 63 feet and one 75 feet.

f One 192 inches and one 204 inches.

g One 65 feet and one 70 feet.

h One 168 inches and one 180 inches.

i One 132 inches and one 168 inches.

j One 222 inches and one 236 inches.

k One 50 feet and one 62 feet.

l One with 6 and one with 2 heating stoves.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**C.—THE ASSEMBLAGE OF THE MATERIALS.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Es- tab- lish- ment num- ber.	Coal mines.			Ore mines.			Limestone quarries.			Coke ovens.		
	Transportation.			Transportation.			Transportation.			Transportation.		
	Miles dis- tant.	Means.	Cost per nomi- nal ton.	Miles dis- tant.	Means.	Cost per nomi- nal ton.	Miles dis- tant.	Means.	Cost per nomi- nal ton.	Miles dis- tant.	Means.	Cost per nomi- nal ton.
1	(a)	(a)	(a)	(b)	(b)	(b)	(b)	(b)	(b)	.....	.....	.....
2	c 80	c Rail...	c \$1.17	3	Rail ....	\$0.25	100	Rail and boat.	\$1.10	.....	.....	.....
3	(d)	(d)	(d)	141	Rail and boat.	1.08	700	Boat....	.60	.....	.....	.....
4	(a)	(a)	(a)	20	Rail ....	.50	1	Team...	.30	.....	.....	.....
5	c 3	c Team .	c 2.00	1	Team...	.50	1	Team...	.40	.....	.....	.....
6	c 2	c Team .	c .50	2	Team...	.60	2	Team...	.60	.....	.....	.....
7	(a)	(a)	(a)	13	Rail and team.	.53	27	Rail ....	.60	.....	.....	.....
8	c 10	c Rail and team.	c .90	1/2	Rail ....	.20	(b)	Rail and team.	.54	.....	.....	.....
9	.....	.....	.....	(b)	Rail and boat.	.75	35	Rail ....	.45	(b)	Rail ....	\$2.75
10	220	Rail ....	2.00	(b)	(b)	(b)	85	Rail ....	.70	510	Rail ....	3.36
11	20	Rail ....	.25	180	Rail ....	.75	50	Rail ....	.45	200	Rail ....	1.80
12	1/2	Tram ...	(b)	800	Rail and boat.	2.75	80	Rail ....	.60	85	Rail ....	1.35
13	6	Rail . . .	.30	150	Rail ....	1.05	80	Rail ....	.60	130	Rail ....	1.35
14	.....	.....	.....	764	Rail and boat.	2.50	10	Rail ....	.30	80	Rail ....	1.35
15	25	Rail ....	.30	1,000	Rail and boat.	2.50	90	Rail ....	.70	135	Rail ....	1.35
16	.....	.....	.....	640	Rail and boat.	1.85	70	Rail and boat.	.65	175	Rail ....	1.85
17	115	Rail ....	.60	808	Rail and boat.	1.98	21	Rail ....	.40	135	Rail ....	1.35
18	.....	.....	.....	1,000	Rail and boat.	2.50	90	Rail ....	.60	105	Rail ....	1.35
19	13	Rail ....	.30	116	Rail ....	1.05	70	Rail ....	.60	110	Rail ....	1.35
20	175	Rail ....	1.25	3,000	Boat ....	(b)	30	Rail ....	(b)	300	Rail ....	2.39
21	.....	.....	.....	880	Rail and boat.	2.75	50	Rail ....	.50	60	Rail ....	.60
22	175	Rail ....	1.25	3,000	Boat....	(b)	30	Rail ....	(b)	300	Rail ....	2.39
23	12	Rail ....	.25	833	Rail and boat.	1.98	18	Rail ....	.35	130	Rail ....	1.35
24	80	Rail ....	.65	900	Rail and boat.	1.90	85	Rail ....	.40	180	Rail ....	1.35
25	100	Rail ....	.60	825	Rail and boat.	1.98	20	Rail ....	.30	160	Rail ....	1.35
26	100	Rail ....	.60	825	Rail and boat.	1.98	20	Rail ....	.30	160	Rail ....	1.35
27	70	Rail ....	.60	900	Rail and boat.	1.77	20	Rail ....	.40	140	Rail ....	1.35
28	.....	.....	.....	700	Rail and boat.	3.25	55	Rail ....	.41	75	Rail ....	1.00
29	.....	.....	.....	1,000	Rail and boat.	2.50	115	Rail ....	.60	130	Rail ....	1.35
30	.....	.....	.....	800	Rail and boat.	2.30	150	Rail ....	.60	135	Rail ....	1.35
31	1	Tram ...	.20	800	Rail and boat.	2.30	150	Rail ....	.60	135	Rail ....	1.35
32	50	Rail ....	.40	1,000	Rail and boat.	2.50	95	Rail ....	.60	130	Rail ....	1.35
33	1 1/2	Rail ....	.03	(b)	Boat....	(e)	9	Boat....	.12	1 1/2	Rail ....	.04
34	1 1/2	Rail ....	.03	(b)	Rail and boat.	(f)	9	Boat....	.12	1 1/2	Rail ....	.04
35	15 1/2	Rail ....	.30	(b)	Boat....	(g)	31	Rail ....	.49	(h)	(h)	(h)
36	(i)	(i)	(i)	(b)	Rail and boat.	1.82	6 1/2	Rail ....	(b)	(i)	(i)	(i)
37	(i)	(i)	(i)	(b)	Rail and boat.	1.82	5	Rail ....	(b)	(i)	(i)	(i)
38	1	Rail ....	(b)	(b)	(b)	(b)	4	Rail ....	(b)	1	Rail ....	(b)

a Facts relative to charcoal not reported.

b Not reported.

c Charcoal.

d Charcoal kilns located at works.

e From \$1.50 to \$2.10.

f From 31 cents to \$1.45.

g From \$2.17 to \$2.55.

h Coke ovens located at works.

i Coal mines and coke ovens located at works.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## C.—THE ASSEMBLAGE OF THE MATERIALS—Continued.

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Coal mines.			Ore mines.			Limestone quarries.			Coke ovens.		
	Miles distant.	Transportation.		Miles distant.	Transportation.		Miles distant.	Transportation.		Miles distant.	Transportation.	
		Means.	Cost per nominal ton.		Means.	Cost per nominal ton.		Means.	Cost per nominal ton.		Means.	Cost per nominal ton.
39	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
40				4	Rail ....	\$0.09	14½	Rail ....	\$0.48	85	Rail ....	\$0.93
41	130	Rail ....	\$1.60	2	Rail ....	.20	12	Rail ....	.45	425	Rail ....	2.90
42	125	Rail ....	1.60	1½	Rail ....	.20	6	Rail ....	.35	450	Rail ....	2.90
43	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
44	1½	Rail ....	.03	(a)	Rail and boat.	(b)	9	Boat....	.12	1½	Rail ....	.04
45	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
46	111	Rail and boat.	(a)	(c)	Rail and boat.	(c)	31	Boat....	.45	430	Rail ....	2.66
47	175	Rail ....	2.00	80	Rail ....	1.25	70	Rail ....	.50	200	Rail ....	1.75
48	65	Rail ....	.75	124	Rail ....	.70	4	Rail ....	.10	200	Rail ....	1.80
49	25	Rail ....	.30	(d)	Rail and boat.	(d)	60	Rail ....	.50	40	Rail ....	1.45
50				(a)	Rail and boat.	.75	35	Rail ....	.45	(a)	Rail ....	2.75
51				(a)	Rail and boat.	(e)	35	Rail ....	.45	(a)	Rail ....	2.75
52	40	Rail ....	.52	700	Rail and boat.	2.50	11	Rail ....	.38	125	Rail ....	1.35
53	105	Rail ....	.60	812	Rail and boat.	1.98	25	Rail ....	.40	132	Rail ....	1.35
54	75	Rail ....	.95	(a)	Rail and boat.	(a)	7	Rail ....	.40	325	Rail ....	2.10
55				860	Rail and boat.	2.75	60	Rail ....	.50	57	Rail ....	.70
56				(f)	Rail ....	(f)	12	Rail ....	.35	82	Rail ....	.70
57				875	Rail and boat.	2.75	52	Rail ....	.70	½	Rail ....	.003
58				880	Rail and boat.	2.75	50	Rail ....	.50	60	Rail ....	.60
59	50	Rail ....	.70	900	Rail and boat.	2.60	25	Rail ....	.40	125	Rail ....	1.35
60	6	Rail ....	.21	146	Rail ....	1.07	1	Rail ....	.12	(g)	Rail ....	.02
61	(h)	(h)	(h)	(a)	Rail and boat.	1.82	5	Rail ....	(a)	(h)	(h)	(h)
62	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
63	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
64	75	Rail ....	.88	(i)	(i)	(i)				(j)	Rail ....	(j)
65	17	Rail ....	.33	200	Rail ....	.85	37	Rail ....	.40			
66	68	Rail ....	.60	870	Rail and boat.	2.50	1	Team....	.25	130	Rail ....	1.35
67				140	Rail ....	.75	60	Rail ....	.40	120	Rail ....	1.55
68	80	Rail ....	.90	700	Rail and boat.	2.45	11	Rail ....	.35	135	Rail ....	1.35
69				850	Rail and boat.	2.00	20	Rail ....	.35	130	Rail ....	1.35
70	40	Rail and boat.	.55	(a)	Rail ....	(a)	8	Rail ....	.25	120	Rail ....	.85
71				900	Rail and boat.	1.50	90	Rail ....	.60	200	Rail ....	1.75
72				200	Rail and boat.	2.00	2	Rail ....	.13	2	Rail ....	.13
73	70	Rail ....	.95	120	Rail ....	1.00	45	Rail ....	.74	(a)	(a)	2.10
74	80	Rail ....	1.05	(a)	Rail and boat.	(a)	20	Rail ....	.30	300	Rail ....	2.45

a Not reported.

b From 31 cents to \$1.45.

c Part of the ore is brought 64 miles at a cost of \$1.55 per ton, and part 221 miles at a cost of \$2 per ton.

d Part of the ore is brought 20 miles at a cost of 35 cents per ton, and part 900 miles at a cost of \$2.65 per ton.

e From 75 cents to \$2.25 per ton.

f Part of the ore is brought 35 miles at a cost of 35 cents per ton, and part 200 miles at a cost of \$1.05 per ton.

g Coke ovens located near works.

h Coal mines and coke ovens located at works.

i Ore mines located at works.

j Part of the coke is brought 142 miles at a cost of \$1.35 per ton, and part 241 miles at a cost of \$2.02 per ton.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**C.—THE ASSEMBLAGE OF THE MATERIALS—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Coal mines.			Ore mines.			Limestone quarries.			Coke ovens.		
	Miles distant.	Transportation.		Miles distant.	Transportation.		Miles distant.	Transportation.		Miles distant.	Transportation.	
		Means.	Cost per nominal ton.		Means.	Cost per nominal ton.		Means.	Cost per nominal ton.		Means.	Cost per nominal ton.
75	(a)	Rail ....	(a)	830	Rail and boat.	\$1.98	(a)	(a)	(a)	100	Rail ....	\$1.35
76	58	Rail ....	\$0.70	1,000	Rail and boat.	3.00	20	Rail ...	\$0.40	125	Rail ....	1.35
77	2	Rail ....	.08	820	Rail and boat.	1.98	30	Rail ....	.40	140	Rail ....	1.35
78	40	Rail ....	1.00	200	Rail ....	2.00	1	Rail ....	.10	310	Rail ....	2.14
79	145	Rail ....	(a)	76	Rail ....	.75	32	Boat...	.35	215	Rail ....	1.72
80	20	Rail ....	.20	20	Rail ....	.35	2	Rail ....	.02	(b)	(b)	(b)
81	.....	.....	.....	7	Rail ....	.50	148	Rail ....	.85	(b)	(b)	(b)
82	$\frac{1}{2}$	Tram ...	.10	$\frac{1}{2}$	Tram ...	.15	1	Tram ...	.10	$\frac{1}{2}$	Tram ...	.10
83	$\frac{1}{2}$	Team...	(a)	200	Rail ....	1.20	1	Team...	.20	$\frac{1}{2}$	Team...	.05
84	145	Rail ....	(a)	76	Rail ....	(a)	32	Boat...	.35	215	Rail ....	1.72
85	100	Rail ....	(a)	15	Rail ....	.03	10	(a)	(a)	280	(a)	(a)
86	58	Rail ....	.70	1,000	Rail and boat.	2.50	25	Rail ....	.50	150	Rail ....	1.35
87	50	Rail ....	.70	900	Rail and boat.	2.60	25	Rail ....	.40	125	Rail ....	1.35
88	.....	.....	.....	14	Rail ....	.45	1	Rail ....	.05	115	Rail ....	1.12
89	58	Rail ....	.70	1,000	Rail and boat.	2.50	25	Rail ....	.50	140	Rail ....	1.35
90	600	Rail and boat.	1.05	295	Rail and boat.	1.45	20	Rail ....	.04	630	Rail ....	2.85
91	3	Rail ....	.04	3	Rail ....	.04	25	Rail ....	.28	3	Rail ....	.04
92	6	Rail ....	(a)	8	Rail ....	.25	4	Rail ....	(a)	(b)	(b)	(b)
93	80	Rail ....	1.00	35	Rail ....	.35	10	Rail ....	.25	1,200	Rail ....	2.15
94	83	Rail ....	.75	25	Rail ....	.33	24	Rail ....	.25	87	Rail ....	.75
95	6	Rail ....	(a)	10	Rail ....	(a)	33	Rail ....	(a)	8	Rail ....	(a)
96	35	Rail ....	.35	15	Rail ....	.25	2	Rail ....	.10	35	Rail ....	.35
97	62	Rail ....	.55	(c)	Rail ....	(c)	7	Rail ....	.40	(d)	Rail ....	(d)
98	.....	.....	.....	59	Rail ....	.65	21	Rail ....	.25	128	Rail ....	.75
99	(e)	Rail ....	(e)	12	Rail ....	.18	8	Rail ....	.25	1	Rail ....	(a)
100	12	Rail ....	.20	10	Rail ....	.25	6	Rail ....	.25	(b)	(b)	(b)
101	12	Rail ....	.20	10	Rail ....	.25	6	Rail ....	.25	12	Rail ....	.23
102	.....	.....	.....	(f)	(f)	(f)	1	Rail ....	.04	50	Rail ....	.55
103	153	Rail ....	.63	105	Rail and boat.	.53	15	Rail ....	.25	(g)	Rail ....	(g)
104	.....	.....	.....	90	Rail ....	.65	1	Rail ....	.15	22	Rail ....	.30
105	(a)	(a)	(a)	25	Rail and boat.	.30	1	Rail ....	(a)	(a)	(a)	(a)
106	.....	.....	.....	90	Rail ....	.65	5	Rail ....	.20	(g)	Rail ....	(g)
107	.....	.....	.....	114	Rail ....	.90	2	Rail ....	.08	2	Rail ....	.08
108	.....	.....	.....	19	Rail ....	.25	(h)	(h)	(h)	17	Rail ....	.25
109	.....	.....	.....	(i)	Rail ....	(i)	30	Rail ....	.28	107	Rail ....	.90
110	120	Rail ....	.75	5	Rail ....	.25	4	Rail ....	.20	120	Rail ....	.75
111	.....	.....	.....	1	Rail ....	.10	20	Rail ....	.25	120	Rail ....	.85
112	.....	.....	.....	30	Rail ....	.35	20	Rail ....	.30	90	Rail ....	.66
113	100	Rail ....	.75	2	Rail ....	.15	1	Rail ....	.10	(b)	(b)	(b)
114	.....	.....	.....	42	Rail ....	.40	42	Rail ....	.40	160	Rail ....	1.15
115	$\frac{1}{2}$	Rail ....	.07	5	Rail ....	.20	$\frac{1}{2}$	Rail ....	.06	$\frac{1}{2}$	Team...	.06
116	20	Rail ....	.49	53	Rail ....	1.66	40	Rail ....	.49	20	Rail ....	.55
117	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
118	75	Rail ....	.88	(f)	(f)	(f)	.....	.....	.....	(j)	Rail ....	(j)

a Not reported.

b Coke ovens located at works.

c Part of the ore is brought 6 miles at a cost of 10 cents per ton, and part 75 miles at a cost of 70 cents per ton.

d Part of the coke is brought 125 miles at a cost of \$1.15 per ton, and part 375 miles at a cost of \$2.25 per ton.

e Part of the coal is brought  $\frac{1}{2}$  mile at a cost of  $3\frac{1}{2}$  cents per ton, and part 9 miles at a cost of 13 cents per ton.

f Ore mines located at works.

g Part of the coke is brought 13 miles at a cost of 30 cents per ton, and part 400 miles at a cost of \$1.80 per ton.

h Limestone quarries located at works.

i Part of the ore is brought 11 miles at a cost of 30 cents per ton, and part 69 miles at a cost of 55 cents per ton.

j Part of the coke is brought 142 miles at a cost of \$1.35 per ton, and part 241 miles at a cost of \$2.02 per ton.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**D.—CHEMICAL ANALYSIS OF ORE.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Kind of ore.	Ore used (tons of 2,240 pounds).	Cost.	Per cent. of—						
				Iron.	Manganese.	Phosphorus.	Sulphur.	Silica.	Alumina.	Lime.
1	Carbonate .....	<i>a</i> 7, 116	<i>a</i> \$29,827	45.776	1.974	.173	.....	20.460	7.204	2.940
	Hematite .....	( <i>a</i> )	( <i>a</i> )	52.000	1.500	.050	( <i>b</i> )	.....	( <i>b</i> )	( <i>b</i> )
2	Specular and hematite.	40,331	99,948	59.000	( <i>b</i> )	.125	Trace	6.000	( <i>b</i> )	( <i>b</i> )
3	Specular and hematite.	21,198	81,645	60.950	.620	.131	.020	6.850	1.350	.420
4	Soft hematite .....	<i>a</i> 25,429	<i>a</i> 71,658	46.870	( <i>b</i> )	.085	( <i>b</i> )	10.294	( <i>b</i> )	( <i>b</i> )
	Lump hematite .....	( <i>a</i> )	( <i>a</i> )	53.590	( <i>b</i> )	.086	( <i>b</i> )	12.900	6.100	( <i>b</i> )
5	Limonite .....	7,650	15,683	50.000	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )
6	Blackband .....	7,360	21,344	43.500	( <i>b</i> )	.182	.405	22.500	( <i>b</i> )	( <i>b</i> )
7	Hematite .....	3,455	13,800	46.000	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )
	Magnetite .....	490	1,960	46.000	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )
8	Brown hematite .....	32,492	28,528	50.000	( <i>b</i> )	.052	.....	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )
9	Hematite .....	30,413	145,099	63.160	( <i>b</i> )	.028	( <i>b</i> )	4.870	( <i>b</i> )	( <i>b</i> )
	Magnetite .....	8,473	37,356	52.470	( <i>b</i> )	.260	.250	18.440	1.360	( <i>b</i> )
	Magnetite .....	5,871	42,086	65.500	( <i>b</i> )	.160	.030	4.500	2.200	2.000
	Magnetite .....	15,591	43,311	45.000	2.900	.039	1.700	14.000	4.000	6.000
	Magnetite .....	17,803	97,017	64.500	( <i>b</i> )	.050	Trace	5.500	3.200	2.300
	Magnetite .....	7,678	28,227	52.000	( <i>b</i> )	.060	Trace	19.000	4.500	4.500
	Hematite .....	12,731	92,881	69.000	.....	.070	.020	1.000	.200	.....
	Magnetite .....	710	1,501	37.000	1.700	.070	.050	29.000	1.000	.500
10	Magnetite .....	10,037	59,351	58.000	5.300	.065	.040	5.000	2.300	.....
	Magnetite .....	80	407	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )
	Magnetite .....	322	1,862	51.000	5.000	.060	.020	15.700	1.600	1.100
	Magnetite .....	121	631	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )
	Magnetite .....	1,443	6,102	39.000	.500	.060	.160	25.000	5.000	1.500
	Magnetite .....	604	1,510	41.000	1.600	.190	1.400	24.000	3.500	3.200
	Magnetite .....	545	2,011	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )	( <i>b</i> )
	Magnetite .....	867	3,430	47.000	.200	.180	.090	17.070	1.500	6.800
	Magnetite .....	2,119	6,978	59.900	.....	1.680	.050	4.300	2.300	7.200
11	( <i>b</i> ) .....	34,022	180,317	60.000	( <i>b</i> )	.050	( <i>b</i> )	4.000	( <i>b</i> )	( <i>b</i> )
12	Specular .....	<i>a</i> 35,047	<i>a</i> 213,410	66.000	( <i>b</i> )	.033	Trace	3.000	( <i>b</i> )	( <i>b</i> )
	Hematite .....	( <i>a</i> )	( <i>a</i> )	64.000	( <i>b</i> )	.045	( <i>b</i> )	3.500	( <i>b</i> )	( <i>b</i> )
13	Hematite .....	36,473	220,658	63.000	( <i>b</i> )	.045	Trace	6.000	( <i>b</i> )	( <i>b</i> )
14	Specular .....	<i>a</i> 145,700	<i>a</i> 796,438	56.000	( <i>b</i> )	.250	.100	6.000	( <i>b</i> )	( <i>b</i> )
	Hematite .....	( <i>a</i> )	( <i>a</i> )	60.000	( <i>b</i> )	.050	.050	5.000	( <i>b</i> )	( <i>b</i> )
15	Hematite .....	52,499	295,377	66.000	( <i>b</i> )	.050	( <i>b</i> )	4.500	( <i>b</i> )	( <i>b</i> )
16	Specular .....	52,400	314,400	63.220	( <i>b</i> )	.058	( <i>b</i> )	4.280	( <i>b</i> )	( <i>b</i> )
	Hematite .....	67,538	371,559	61.370	( <i>b</i> )	.057	( <i>b</i> )	6.390	( <i>b</i> )	( <i>b</i> )
	Hematite and magnetite.	16,000	120,000	67.800	( <i>b</i> )	.040	( <i>b</i> )	2.640	( <i>b</i> )	( <i>b</i> )
17	Hematite .....	32,000	216,000	60.000	( <i>b</i> )	.057	( <i>b</i> )	6.910	( <i>b</i> )	( <i>b</i> )
	Specular .....	( <i>a</i> )	( <i>a</i> )	66.000	( <i>b</i> )	.045	( <i>b</i> )	4.000	( <i>b</i> )	( <i>b</i> )
18	Magnetite .....	<i>a</i> 38,917	<i>a</i> 248,446	69.000	( <i>b</i> )	.060	( <i>b</i> )	2.000	( <i>b</i> )	( <i>b</i> )
	Hematite .....	( <i>a</i> )	( <i>a</i> )	64.000	( <i>b</i> )	.050	( <i>b</i> )	4.000	( <i>b</i> )	( <i>b</i> )
19	Specular, magnetite, and hematite.	41,979	248,824	61.010	( <i>b</i> )	.050	( <i>b</i> )	3.050	( <i>b</i> )	( <i>b</i> )
20	( <i>b</i> ) .....	79,716	394,594	55.000	( <i>b</i> )	.026	.050	8.500	3.500	( <i>b</i> )
21	Specular .....	6,500	45,000	66.000	( <i>b</i> )	.040	( <i>b</i> )	3.000	( <i>b</i> )	( <i>b</i> )
	Hematite .....	28,795	176,719	62.000	( <i>b</i> )	.025	( <i>b</i> )	5.000	( <i>b</i> )	( <i>b</i> )
22	( <i>b</i> ) .....	40,186	221,021	55.000	( <i>b</i> )	.025	.050	8.500	3.500	( <i>b</i> )
23	Specular and hematite.	49,276	264,681	62.000	( <i>b</i> )	.045	( <i>b</i> )	4.000	( <i>b</i> )	( <i>b</i> )
24	Hematite .....	39,699	216,404	62.000	( <i>b</i> )	.050	.008	3.500	( <i>b</i> )	( <i>b</i> )
25	Specular .....	13,376	73,588	63.000	( <i>b</i> )	.045	.020	3.970	( <i>b</i> )	( <i>b</i> )
	Hematite .....	31,699	153,992	60.000	( <i>b</i> )	.040	.014	8.000	( <i>b</i> )	( <i>b</i> )
26	Specular .....	14,772	82,159	63.000	( <i>b</i> )	.045	.020	3.970	( <i>b</i> )	( <i>b</i> )
	Hematite .....	36,620	202,960	60.000	( <i>b</i> )	.040	.014	8.000	( <i>b</i> )	( <i>b</i> )
27	( <i>b</i> ) .....	67,662	386,129	60.000	( <i>b</i> )	.045	.025	3.250	( <i>b</i> )	( <i>b</i> )
28	( <i>b</i> ) .....	75,678	457,096	56.000	( <i>b</i> )	.040	( <i>b</i> )	8.500	( <i>b</i> )	( <i>b</i> )
	Specular .....	( <i>a</i> )	( <i>a</i> )	66.000	( <i>b</i> )	.045	.....	4.000	( <i>b</i> )	( <i>b</i> )
29	Magnetite .....	<i>a</i> 47,388	<i>a</i> 303,907	69.000	( <i>b</i> )	.060	.....	2.000	( <i>b</i> )	( <i>b</i> )
	Hematite .....	( <i>a</i> )	( <i>a</i> )	64.000	( <i>b</i> )	.050	.....	4.000	( <i>b</i> )	( <i>b</i> )
30	( <i>b</i> ) .....	33,803	193,478	62.000	( <i>b</i> )	.045	.....	6.000	( <i>b</i> )	( <i>b</i> )
31	( <i>b</i> ) .....	31,700	178,335	63.000	( <i>b</i> )	.045	( <i>b</i> )	6.000	( <i>b</i> )	( <i>b</i> )
32	( <i>b</i> ) .....	34,879	201,244	66.000	( <i>b</i> )	.050	( <i>b</i> )	4.500	( <i>b</i> )	( <i>b</i> )

*a* Quantities and costs of the several varieties of ores not separately reported.  
*b* Not reported.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**D.—CHEMICAL ANALYSIS OF ORE—Continued.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Kind of ore.	Ore used (tons of 2,240 pounds).	Cost.	Per cent. of—						
				Iron.	Manganese.	Phosphorus.	Sulphur.	Silica.	Alumina.	Lime.
33	(b) .....	a 199,786	\$689,456	55.000	.950	.015	.024	11.450	(b)	(b)
34	(b) .....	(a)	(a)	38.600	1.800	.022	.034	4.150	(b)	(b)
35	Hematite .....	2,869	10,265	55.000	.930	.015	.024	11.450	(b)	(b)
36	Brown hematite .....	162,689	749,718	54.500	(b)	.010	.020	10.500	(b)	(b)
37	Brown hematite .....	58,752	194,669	50.350	(b)	.040	.060	12.980	(b)	(b)
	(b) .....	79,945	262,974	50.350	(b)	.040	.060	12.980	(b)	(b)
	(b) .....	1,326	2,598	36.000	.130	.310	.040	12.000	-----	-----
	(b) .....	1,903	5,137	54.000	-----	-----	-----	5.000	-----	-----
38	(b) .....	1,077	2,795	40.000	-----	.020	-----	11.000	14.000	-----
	(b) .....	3,692	10,859	60.000	-----	-----	.300	4.000	-----	-----
	Hematite .....	49,763	184,546	50.000	-----	-----	-----	11.000	-----	-----
39	Hematite .....	118,778	401,945	(b)	(b)	(b)	(b)	(b)	(b)	(b)
40	Spathic .....	1,862	7,220	49.710	10.120	Trace	.257	.570	(b)	c .250
	Manganiferous .....	498	1,746	22.270	18.610	.016	Trace	28.880	(b)	(b)
41	Fossiliferous hematite .....	20,302	38,287	44.400	.190	.530	.310	19.090	5.990	5.850
42	Fossiliferous hematite .....	69,752	108,137	42.520	(b)	.750	.270	14.940	4.800	6.220
43	(b) .....	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
44	(b) .....	a 3,377	a 5,601	38.350	.100	.780	.010	17.800	(b)	(b)
	(b) .....	(a)	(a)	39.850	(b)	.625	-----	13.000	(b)	(b)
	(b) .....	(a)	(a)	49.000	.150	.750	.090	14.000	(b)	(b)
45	(b) .....	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
46	Hematite .....	9,110	36,907	58.492	.630	2.300	-----	5.000	(b)	5.510
	Magnetite .....	17,570	55,754	64.500	(b)	.050	Trace	5.500	3.200	2.300
	Magnetite .....	3,688	16,596	66.180	(b)	1.070	-----	-----	.700	2.270
47	Hematite .....	12,285	21,499	44.310	Trace	.430	(b)	(b)	(b)	6.030
	Hematite .....	8,599	27,947	55.660	.070	(b)	.110	(b)	1.120	2.499
48	Hematite .....	27,748	131,803	60.000	(b)	.215	.040	3.510	(b)	(b)
	Blackband .....	8,460	29,674	42.630	(b)	.189	.316	24.750	(b)	(b)
49	Hematite .....	17,630	77,717	55.000	(b)	.420	(b)	4.250	(b)	(b)
	Blackband .....	10,176	25,440	42.000	(b)	8.430	(b)	12.000	(b)	(b)
50	(b) .....	51,851	175,641	57.050	.460	.250	(b)	6.000	(b)	(b)
51	Specular, magnetite, and hematite .....	39,332	161,323	66.760	(b)	.041	(b)	1.620	(b)	(b)
52	Specular and hematite .....	61,016	335,998	63.000	(b)	.120	.050	6.000	(b)	(b)
53	Hematite .....	62,711	315,046	63.000	(b)	.075	Trace	4.500	(b)	(b)
54	Magnetite .....	1,772	5,582	59.000	(b)	.030	.700	9.000	(b)	(b)
55	(b) .....	32,834	197,006	60.000	(b)	.030	.020	5.000	(b)	(b)
	(b) .....	36,374	159,461	60.700	(b)	.400	.040	11.000	(b)	(b)
56	(b) .....	16,388	41,367	36.000	(b)	.330	Trace	10.000	(b)	(b)
	(b) .....	11,049	61,440	60.000	(b)	.540	Trace	6.520	(b)	(b)
57	(b) .....	309	1,777	63.000	.783	.120	(b)	4.250	(b)	.100
58	Hematite .....	9,424	56,241	63.000	.530	.075	-----	4.500	1.950	1.340
59	Hematite .....	17,962	74,890	60.000	(b)	.009	.025	4.000	(b)	(b)
60	Calcareous .....	142,915	224,203	38.000	-----	1.200	-----	12.000	(b)	12.000
61	Ironstone .....	332	323	29.500	.720	.300	.030	17.000	1.860	4.000
	Hematite .....	5,441	17,569	50.350	(b)	.040	.060	12.980	(b)	(b)
62	Ironstone and hematite .....	65,072	82,495	(b)	(b)	(b)	(b)	(b)	(b)	(b)
63	Ironstone .....	25,536	27,346	(b)	(b)	(b)	(b)	(b)	(b)	(b)
64	Limonite .....	2,789	1,243	33.500	Trace	.650	Trace	13.000	d 5.000	c 6.000
	Limonite .....	1,531	1,078	24.500	Trace	.550	Trace	5.000	d 3.000	c 24.500
	(b) .....	5,910	26,891	65.000	(b)	.180	Trace	4.000	(b)	(b)
65	(b) .....	5,889	17,961	59.000	(b)	.250	Trace	8.500	(b)	(b)
	(b) .....	1,190	2,499	38.000	(b)	.500	Trace	10.000	(b)	(b)
	Specular .....	8,426	(c)	62.860	(b)	.081	Trace	4.790	(b)	(b)
66	Hematite .....	42,130	e 300,891	60.570	(b)	.120	.025	7.280	(b)	(b)
	Hematite .....	16,852	(e)	40.340	(b)	.210	.040	22.700	(b)	(b)
67	Specular .....	32,119	172,553	66.400	(b)	.043	(b)	3.600	(b)	(b)
	Red hematite .....	11,486	45,125	62.630	.200	.110	(b)	3.780	(b)	.740
68	Hematite .....	18,440	90,356	60.000	(b)	.120	.050	9.620	(b)	(b)

a Quantities and costs of the several varieties of ores not separately reported.

b Not reported.

c Limestone.

d Aluminium.

e Costs of the several varieties of ores not separately reported.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**D.—CHEMICAL ANALYSIS OF ORE—Continued.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Kind of ore.	Ore used (tons of 2,240 pounds).	Cost.	Percent. of—						
				Iron.	Manganese.	Phosphorus.	Sulphur.	Silica.	Alumina.	Lime.
69	Magnetite .....	5,655	\$27,710	60.000	(a)	.090	.030	7.000	(a)	(a)
	Hematite .....	53,890	228,118	60.000	(a)	.215	.040	3.540	(a)	(a)
	Blackband .....	2,841	10,655	45.000	(a)	.210	.220	22.700	(a)	(a)
70	Limonite .....	10,368	32,256	44.000	(a)	.150	.440	14.000	(a)	(a)
	(a) .....	10,240	25,805	50.000	(a)	.700	(a)	6.000	(a)	(a)
	Hematite .....	10,240	48,640	62.000	(a)	.060	(a)	4.000	(a)	(a)
71	Specular and hematite.	93,986	422,935	62.000	(a)	.095	Trace	7.000	(a)	(a)
72	Hematite .....	8,886	34,019	42.000	(a)	.200	Trace	18.000	(a)	(a)
	Hematite .....	35,191	216,632	62.000	(a)	.200	Trace	6.500	(a)	(a)
	Carbonate .....	3,112	10,526	35.000	(a)	.300	.500	15.000	(a)	(a)
73	(a) .....	3,747	24,543	60.650	(a)	.100	(a)	4.000	(a)	(a)
	Hematite .....	5,922	17,174	40.000	(a)	1.150	(a)	20.000	(a)	(a)
	(a) .....	15,702	67,335	55.000	(a)	.140	2.000	10.000	(a)	(a)
74	(a) .....	60,852	243,408	(a)	(a)	(a)	(a)	(a)	(a)	(a)
75	Specular .....	10,247	57,241	67.000	(a)	.040	.050	4.500	(a)	(a)
	Hematite .....	31,623	162,285	60.000	(a)	.060	.050	5.000	(a)	(a)
76	Specular, magnetite, and hematite.	40,395	187,622	61.100	(a)	.218	.040	3.540	(a)	(a)
77	Specular .....	15,687	93,558	62.700	(a)	.090	Trace	4.740	(a)	(a)
	Hematite .....	17,571	101,352	62.500	(a)	.065	.022	3.500	(a)	(a)
	(a) .....	435	2,536	65.890	(a)	.200	Trace	3.700	(a)	(a)
78	Magnetite .....	47	240	64.350	(a)	.120	.040	5.000	(a)	(a)
	Carbonate .....	195	414	48.000	(a)	.040	1.500	10.000	(a)	(a)
	Hematite .....	460	1,292	37.000	(a)	.700	Trace	35.000	(a)	(a)
79	Magnetite .....	435	1,197	50.366	(a)	.135	(a)	24.370	(a)	(a)
	Fossiliferous .....	1,445	3,251	45.110	(a)	.247	(a)	12.510	(a)	(a)
	(a) .....	640	3,936	36.000	(a)	(a)	7.890	(a)	(a)	(a)
80	Hematite .....	561	1,683	(a)	(a)	(a)	(a)	19.700	(a)	(a)
	Fossiliferous .....	4,428	10,052	(a)	(a)	(a)	(a)	(a)	(a)	(a)
	Hematite .....	2,717	8,800	(a)	(a)	(a)	(a)	(a)	(a)	(a)
81	(a) .....	9,528	54,786	60.000	(a)	.200	(a)	6.000	(a)	(a)
	Hematite .....	7,062	24,576	45.000	(a)	.070	.020	23.000	(a)	(a)
	Carbonate .....	11,984	36,192	35.000	(a)	.160	.130	15.000	(a)	(a)
82	(a) .....	3,942	10,967	(a)	(a)	(a)	(a)	(a)	(a)	(a)
	Magnetite .....	2,172	11,892	60.000	(a)	(a)	(a)	4.000	(a)	(a)
	Hematite .....	953	3,335	45.000	(a)	(a)	(a)	10.000	(a)	(a)
83	(a) .....	192	480	38.000	(a)	(a)	(a)	10.000	(a)	(a)
	Magnetite .....	2,407	7,509	50.366	(a)	.135	(a)	24.370	(a)	(a)
	Fossiliferous .....	4,960	11,159	45.110	(a)	.247	(a)	12.510	(a)	(a)
84	Hematite .....	3,686	16,002	(a)	(a)	(a)	(a)	19.780	(a)	(a)
	(a) .....	106	625	(a)	(a)	(a)	(a)	(a)	(a)	(a)
	Hematite .....	3,869	6,168	(a)	(a)	(a)	(a)	(a)	(a)	(a)
85	Specular and hematite.	29,061	112,637	60,000	(a)	.300	.030	4.000	(a)	(a)
87	Specular .....	1,734	5,635	49.000	(a)	.080	(a)	21.000	(a)	(a)
	Hematite .....	12,457	67,134	61.000	(a)	.040	(a)	7.140	(a)	(a)
	Hematite .....	52,934	132,335	43.030	(a)	.250	(a)	26.920	(a)	(a)
88	(a) .....	1,703	8,945	(a)	(a)	(a)	(a)	(a)	(a)	(a)
	(a) .....	62,370	326,550	59.720	(a)	.063	(a)	5.500	(a)	(a)
	Specular and hematite.	59,656	249,564	60.000	(a)	.070	Trace	4.750	(a)	(a)
91	Soft red fossiliferous .....	b 94,218	b 60,931	47.780	(a)	(a)	(a)	16.330	3.170	Trace
	Hard red fossiliferous .....	(b)	(b)	35.460	(a)	(a)	(a)	11.480	5.670	29.430
	Soft fossiliferous .....	41,303	36,714	48.350	(a)	.244	(a)	19.640	(a)	.730
92	Hard fossiliferous .....	41,303	39,145	39.180	(a)	.292	(a)	10.120	(a)	16.460
	Brown hematite .....	15,158	21,848	49.620	(a)	.750	(a)	19.500	(a)	(a)
	Brown hematite .....	74,804	117,427	46.820	(a)	-----	-----	10.850	5.680	.080
93	Red fossiliferous .....	30,617	37,998	48.930	(a)	.259	-----	19.340	(a)	(a)
	Brown hematite .....	8,152	13,440	40.540	(a)	.430	-----	22.500	(a)	(a)
	(a) .....	28,694	28,340	50.000	(a)	1.250	(a)	13.000	(a)	(a)
94	(a) .....	20,307	29,632	43.750	(a)	1.800	(a)	17.000	(a)	8.000
	Brown hematite .....	1,895	2,783	48.250	(a)	.160	(a)	10.000	(a)	(a)
	Hard red hematite .....	10,920	14,021	54.340	(a)	.424	-----	7.410	(a)	.640
97	Soft red hematite .....	5,460	7,549	56.000	(a)	.391	-----	(a)	(a)	5.760
	Brown hematite .....	5,460	9,708	47.500	(a)	.230	-----	7.560	(a)	-----

a Not reported.

b Quantities and costs of the several varieties of ores not separately reported.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**D.—CHEMICAL ANALYSIS OF ORE—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Kind of ore.	Ore used (tons of 2,240 pounds)	Cost.	Per cent. of—						
				Iron.	Manganese.	Phosphorus.	Sulphur.	Silica.	Alumina.	Lime.
98	Brown hematite .....	16,597	\$30,325	47.500	(a)	.550	-----	12.500	(a)	(a)
	Soft red fossiliferous .....	11,638	12,400	52.000	(a)	.240	-----	16.000	(a)	(a)
99	Red fossiliferous .....	19,746	21,014	39.000	(a)	.280	-----	10.000	(a)	14.000
	Brown hematite .....	366	413	48.000	(a)	.600	-----	12.000	(a)	(a)
	Red hematite fossiliferous, hard .....	73,748	63,587	38.230	(a)	(a)	(a)	8.990	(a)	16.610
	Red hematite .....	47,720	41,128	50.980	(a)	(a)	(a)	18.030	(a)	(a)
100	Brown hematite .....	2,707	2,808	51.310	(a)	(a)	(a)	9.790	2.900	.360
	Red hematite fossiliferous, soft .....	17,475	15,067	51.180	(a)	(a)	(a)	13.420	(a)	(a)
	Red hematite fossiliferous, hard .....	42,320	35,760	38.230	(a)	(a)	(a)	8.990	(a)	16.610
	Red hematite fossiliferous, soft .....	9,345	7,896	51.180	(a)	(a)	(a)	13.420	(a)	(a)
101	Red hematite .....	44,021	37,199	50.980	(a)	(a)	(a)	18.030	(a)	(a)
	Brown hematite .....	11,446	11,870	51.310	(a)	(a)	(a)	9.790	2.900	.360
	Hard red hematite .....	3,777	3,730	28.000	(a)	.300	(a)	10.000	(a)	b44.000
102	Soft red hematite .....	1,573	3,210	55.000	(a)	.700	(a)	15.000	(a)	(a)
	Brown hematite .....	2,201	4,894	48.000	(a)	.250	-----	25.000	(a)	(a)
	Red fossiliferous, hard .....	10,020	14,093	26.600	(a)	.380	(a)	8.210	(a)	(a)
	Red fossiliferous, soft .....	12,115	19,444	49.430	(a)	.050	-----	13.090	(a)	(a)
103	Red fossiliferous .....	8,351	18,246	55.240	(a)	.090	-----	12.800	(a)	(a)
	Brown hematite .....	37,810	73,905	50.540	(a)	.290	.010	.120	(a)	(a)
	Soft red hematite .....	743	1,615	56.000	(a)	.350	-----	13.000	(a)	(a)
104	Brown hematite .....	3,033	5,990	48.000	(a)	.250	-----	25.000	(a)	(a)
105	Soft and hard fossiliferous .....	7,252	11,023	38.800	(a)	.500	.020	8.000	(a)	(a)
	Fossiliferous .....	2,196	4,787	50.000	(a)	.450	.020	6.000	(a)	(a)
	Hard fossiliferous .....	378	511	33.000	(a)	.350	.010	5.000	(a)	(a)
106	Soft fossiliferous .....	605	974	46.000	(a)	.400	.020	8.000	(a)	(a)
	Brown hematite .....	2,982	6,441	45.000	(a)	.400	.020	12.000	(a)	(a)
	Red hematite .....	72,000	141,000	51.000	(a)	.290	-----	11.500	(a)	(a)
	Soft red hematite .....	24,000	54,000	54.000	(a)	.740	-----	11.000	(a)	(a)
107	Hematite .....	24,000	48,000	43.000	(a)	.510	-----	18.000	(a)	(a)
	Brown hematite .....	24,000	60,000	51.000	(a)	.900	-----	10.500	(a)	(a)
	Hematite .....	58,480	124,243	50.000	(a)	.300	(a)	15.000	(a)	(a)
108	Hematite .....	97,034	126,239	30.000	(a)	.400	(a)	10.000	(a)	(a)
	Limouite .....	24,984	53,769	47.000	(a)	.700	(a)	15.000	(a)	18.000
109	Brown hematite .....	83,297	162,466	52.528	.564	.101	.191	8.420	5.327	1.514
110	Brown hematite .....	63,600	103,668	48.090	-----	.482	-----	15.160	2.810	.280
111	Brown hematite .....	28,761	50,967	42.500	(a)	.013	-----	15.000	(a)	(a)
112	Brown hematite .....	93,000	187,500	44.000	(a)	.050	.003	13.000	(a)	(a)
113	Brown hematite .....	96,709	217,594	42.000	(a)	.003	-----	23.500	(a)	(a)
	Brown hematite .....	21,736	34,058	45.532	.968	1.577	.624	11.500	7.475	.950
114	Magnetite .....	4,253	14,460	54.480	-----	.055	(a)	14.550	(a)	(a)
	(a) .....	c 70,169	e154,773	38.000	3.000	(a)	-----	-----	(a)	(a)
115	Swedish magnetite .....	(c)	(c)	62.000	(a)	8.000	-----	-----	(a)	(a)
116	(a) .....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
117	(a) .....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
	Limonite .....	5,031	2,534	34.500	Trace	.650	Trace	13.000	d5.000	e 6.000
118	Limonite .....	917	459	32.000	(a)	.550	Trace	8.000	d4.000	e16.500

a Not reported.

b Carbonate of lime.

c Quantities and costs of the several varieties of ore not separately reported.

d Aluminium.

e Limestone.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**E.—QUANTITY AND COST OF MATERIALS CHARGED INTO THE FURNACE.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Tons of 2,240 pounds.					Cost.					
	Ore.	Cinder, scrap, etc.	Lime-stone.	Coke.	Coal.	Ore.	Cinder, scrap, etc.	Lime-stone.	Coke.	Coal.	Total.
1	7,116	.....	a 2,580	.....	b 2,804	\$29,827	.....	a \$289	.....	c \$21,116	\$51,232
2	40,331	.....	1,927	.....	b22,576	99,948	.....	4,314	.....	b225,593	320,855
3	21,198	.....	1,880	.....	b11,279	81,645	.....	1,792	.....	b 62,034	145,471
4	25,429	.....	3,238	.....	b13,487	71,658	.....	2,228	.....	b 63,811	137,697
5	7,650	.....	1,700	.....	b 4,018	15,683	.....	850	.....	b 27,000	43,533
6	7,360	.....	1,100	.....	b 5,174	21,344	.....	825	.....	b 28,974	51,143
7	3,945	.....	791	.....	b 2,054	15,760	.....	989	.....	b 18,400	35,149
8	32,492	.....	3,350	.....	b13,566	28,528	.....	3,384	.....	b 79,784	111,696
9	30,413	2,789	7,440	20,652	.....	145,099	\$5,987	7,902	\$82,851	.....	241,839
10	84,995	1,575	18,378	55,107	.....	424,661	3,441	23,678	265,907	.....	717,687
11	34,022	1,311	6,988	20,610	6,480	180,317	3,736	5,940	64,632	9,435	264,060
12	35,047	2,951	8,119	22,321	.....	213,410	17,699	8,170	65,218	.....	304,497
13	36,473	1,036	9,678	29,569	.....	220,658	3,367	10,080	79,508	.....	313,613
14	145,700	.....	41,496	107,790	.....	796,438	.....	32,533	289,740	.....	1,118,711
15	52,499	4,480	19,721	37,067	1,875	295,377	11,061	20,491	110,407	2,790	440,126
16	119,938	1,000	25,000	71,875	.....	685,959	3,800	25,200	261,625	.....	976,584
17	48,000	.....	16,000	33,036	2,679	336,000	.....	12,000	111,000	3,000	462,000
18	38,917	3,742	14,927	37,500	.....	248,446	8,526	16,133	90,324	.....	363,489
19	41,979	325	10,766	25,406	3,607	248,824	1,800	10,977	75,928	4,098	341,627
20	79,716	.....	21,335	19,554	d21,900	394,594	.....	21,506	76,650	d 75,555	568,305
21	35,295	.....	9,225	18,571	.....	221,719	.....	9,225	40,560	.....	271,504
22	40,186	.....	10,754	9,857	d11,040	221,021	.....	12,045	48,024	d 38,640	319,730
23	49,276	.....	9,351	26,007	4,023	264,681	.....	7,373	72,454	9,938	354,446
24	39,699	.....	7,749	26,317	1,673	216,404	.....	5,851	72,214	3,711	298,180
25	45,075	.....	8,978	27,285	3,948	227,580	.....	6,630	76,980	6,408	317,578
26	51,392	.....	10,735	34,965	6,490	285,119	.....	7,903	98,126	8,803	399,951
27	67,662	.....	19,523	57,771	839	386,129	.....	15,540	167,984	1,083	570,736
28	75,678	2,146	35,797	52,304	.....	457,096	796	28,996	123,253	.....	610,141
29	47,388	5,277	20,124	50,333	.....	303,907	10,554	21,929	130,029	.....	466,419
30	33,803	600	9,680	25,764	.....	193,478	1,800	10,234	69,527	.....	275,039
31	31,700	580	9,441	25,748	.....	178,335	1,740	10,526	73,457	.....	264,058
32	34,879	4,351	14,019	29,941	881	201,244	8,695	14,907	84,559	986	310,391
33	e190,786	(e)	55,464	122,968	.....	e689,456	(e)	23,433	312,601	.....	1,025,490
34	e 2,869	(e)	869	1,644	.....	e 10,265	(e)	401	4,800	.....	15,466
35	162,689	.....	38,532	89,907	.....	749,718	.....	22,668	274,596	.....	1,046,982
36	58,752	1,164	10,318	37,773	.....	194,669	4,728	5,425	87,919	.....	292,741
37	79,945	5,302	14,678	55,087	.....	262,974	9,980	7,718	125,875	.....	406,547
38	f57,981	5,392	14,186	46,312	.....	f206,694	19,111	7,009	84,509	.....	317,323
39	118,778	.....	20,924	59,783	787	401,945	.....	16,588	160,778	1,914	581,225
40	2,360	.....	593	1,156	.....	8,966	.....	606	5,600	.....	15,172
41	20,302	.....	4,866	7,407	d 5,395	38,287	.....	3,893	32,354	d 18,883	93,417
42	69,752	.....	20,268	27,147	d12,488	108,137	.....	15,201	146,865	d 44,941	315,144
43	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)
44	e 3,377	(e)	557	1,417	.....	e 5,601	(e)	257	4,139	.....	9,997
45	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)
46	26,680	475	8,945	1,727	d21,322	92,661	3,818	9,706	8,796	d 80,725	195,706
47	24,572	.....	4,680	12,556	a 4,680	66,042	.....	4,680	49,140	d 16,380	136,242
48	36,208	5,246	15,800	29,464	5,179	161,477	15,738	9,500	92,400	9,280	288,395
49	27,806	3,048	10,227	19,373	4,879	103,157	7,620	10,227	65,094	10,928	197,026
50	51,851	4,858	12,957	35,965	.....	175,641	10,427	13,763	144,288	.....	344,119
51	39,332	7,219	8,338	29,297	.....	161,323	17,000	11,142	139,658	.....	329,123
52	61,016	21,631	36,091	60,554	.....	335,998	52,131	31,399	173,019	.....	593,147
53	62,711	35,096	31,773	66,755	697	315,046	98,922	23,526	180,699	781	618,974
54	34,606	11,299	13,208	6,932	d24,909	202,588	17,764	11,226	31,058	d 74,728	337,364
55	e 36,374	(e)	15,836	30,708	.....	e159,461	(e)	14,915	59,617	.....	233,993
56	27,432	3,082	10,989	21,444	.....	102,807	5,641	8,307	50,196	.....	166,951
57	309	.....	147	.....	.....	1,777	.....	162	439	.....	2,378
58	9,424	9,271	9,256	9,900	.....	56,241	27,813	9,256	21,622	.....	114,932

a Oyster shells.

b Charcoal.

c Represents the cost of wood entering into the charcoal. The labor cost of converting the wood into charcoal is inseparably combined with furnace labor.

d Anthracite coal.

e The quantity and cost of cinder, scrap, etc., are inseparably combined with quantity and cost of ore.

f Including 220 tons of manganese, costing \$759.

g Not reported.

TABLE I.—COST OF PRODUCTION OF PIG IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## E.—QUANTITY AND COST OF MATERIALS CHARGED INTO THE FURNACE—Concluded.

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Tons of 2,240 pounds.					Cost.					
	Ore.	Cinder, scrap, etc.	Lime-stone.	Coke.	Coal.	Ore.	Cinder, scrap, etc.	Lime-stone.	Coke.	Coal.	Total.
59	17,962	7,425	9,856	18,996	1,414	\$74,890	\$24,131	\$8,092	\$58,509	\$4,910	\$170,532
60	142,915	46,340	14,424	78,388	1,565	224,203	56,795	4,525	276,690	3,069	565,282
61	5,773	3,225	1,661	4,922		17,892	1,478	876	11,013		31,259
62	65,072		10,937	24,607	273	82,495		8,427	65,198	665	156,785
63	25,536		4,190	8,978	100	27,346		3,236	23,786	243	54,611
64	4,320	144		1,451		2,321	217		6,695		9,233
65	12,989	7,074	6,317		19,680	47,351	9,196	5,660		32,236	94,443
66	67,403		16,007	47,876	426	300,891		10,593	133,198	1,025	445,707
67	43,605	12,581	14,721	36,444		217,678	32,722	14,721	109,881		375,002
68	18,440	687	3,900	14,400	1,098	90,356	2,233	3,120	43,244	1,664	140,617
69	62,386	5,669	20,970	51,794		266,483	18,424	15,727	179,754		480,388
70	30,848		5,400	21,333	893	106,701		4,266	64,426	1,550	176,943
71	93,986		26,981	51,362		422,935		24,283	186,669		634,187
72	47,189	17,454	36,000	50,092		261,177	51,446	30,165	76,804		419,592
73	25,371	3,723	12,508	5,615	a15,363	109,052	7,819	14,134	24,589	a44,761	200,355
74	60,852		23,703	15,095	a25,159	243,408		21,333	70,948	a89,958	425,647
75	41,870	16,103	24,884	43,788		199,526	44,283	16,722	130,454		410,985
76	40,395	12,685	15,500	38,470		187,622	32,902	12,619	105,624		338,767
77	33,258	11,597	14,900	29,071	5,446	194,910	37,690	11,175	100,936	10,675	355,386
78	1,137	936	959	269	a1,332	4,482	1,639	480	1,021	a3,795	11,417
79	3,081	502	1,556	1,338	a366	10,067	1,004	1,400	4,494	a2,468	19,433
80	7,145		5,685	4,123		18,852		2,046	13,013		33,911
81	28,574	9,274	18,276	33,419		115,554	24,967	22,114	44,166		206,801
82	3,942	1,221	3,677	4,812		10,967	3,698	2,942	5,120		22,727
83	3,317	1,258	2,990	4,060		15,707	3,460	2,359	4,859		26,385
84	11,053	1,820	5,578	5,266	a2,731	34,670	4,028	4,916	16,967	a7,887	68,468
85	3,975	397	1,996	63	a1,941	6,793	794	1,697	223	a5,921	15,428
86	29,061	4,553	8,925	19,506		112,637	14,117	7,140	54,030		187,924
87	14,191	1,674	5,754	10,863		72,769	5,441	5,155	33,457		116,822
88	54,637	2,278	38,722	30,296		141,280	3,969	15,439	93,310		254,048
89	62,370		12,036	40,663		326,550		9,544	114,952		451,046
90	59,656	7,739	14,416	41,096		249,564	13,847	13,407	198,375		475,193
91	94,218	406	17,555	71,328		60,931	278	15,910	202,817		279,936
92	82,606		25,678	54,786		75,859		16,722	159,765		252,346
93	15,158		5,194	8,285		21,848		3,481	36,188		61,517
94	74,804		21,220	40,447		117,427		12,832	161,726		291,985
95	38,769	1,934	17,881	34,043		51,438	1,934	12,485	90,837		156,694
96	50,896	2,126	17,987	31,250		60,755	2,334	9,320	105,000		177,409
97	21,840		3,889	14,063		31,278		3,266	52,464		87,008
98	16,597		6,012	10,623		30,325		5,411	41,643		77,379
99	31,750		5,672	19,058		33,827		3,687	53,363		90,877
100	141,650		32,506	103,174		122,590		20,248	265,477		408,315
101	107,132	645	27,986	82,956		92,725	484	18,276	235,407		346,892
102	7,551		1,610	5,107		11,834		636	12,155		24,625
103	68,296	4,223	25,571	43,559		125,688	4,525	19,335	172,203		321,751
104	3,776		1,862	2,978		7,605		1,372	6,255		15,232
105	7,252		1,210	4,330	511	11,023		657	10,806	800	23,286
106	6,161	379	2,641	3,806		12,713	456	1,769	14,494		29,432
107	144,000		48,000	107,143		303,000		36,000	360,000		699,000
108	180,498			92,488		304,251			237,100		541,351
109	83,297		37,049	43,773		162,466		26,675	132,370		321,511
110	63,600		24,000	31,518		103,668		14,640	129,345		247,653
111	28,761		15,601	17,185		50,967		11,619	65,258		127,844
112	93,000		40,150	41,643		187,500		28,105	120,500		336,105
113	96,709		43,408	52,475		217,594		32,556	171,173		421,323
114	25,989		11,012	17,347		48,518		9,140	53,330		110,988
115	70,169	22,830	35,855	50,553	178	154,773	67,942	13,006	97,028	238	332,987
116	b27,225	(b)	7,260	17,325	(c)	b48,580	(b)	7,066	69,714	428	125,788
117	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
118	5,948			2,034		2,993			9,390		12,383

a Anthracite coal.

b The quantity and cost of cinder, scrap, etc., are inseparably combined with quantity and cost of ore.

c Not reported.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**F.—PROPORTIONS OF MATERIALS CHARGED INTO THE FURNACE.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Es- tab- lish- ment num- ber.	Tons of materials (2,240 pounds) to 1 ton of product.					Cost of materials per ton.				
	Ore.	Cinder, scrap, etc.	Lime- stone.	Coke.	Coal.	Ore.	Cinder, scrap, etc.	Lime- stone.	Coke.	Coal.
1	2.462	-----	a .893	-----	b .970	\$4.192	-----	a \$0.112	-----	c \$7.531
2	1.617	-----	.077	-----	b .905	2.478	-----	2.239	-----	b 9.993
3	1.800	-----	.160	-----	b .957	3.852	-----	.950	-----	b 5.500
4	1.882	-----	.240	-----	b .998	2.818	-----	.688	-----	b 4.731
5	2.550	-----	.567	-----	b 1.339	2.050	-----	.500	-----	b 6.720
6	2.944	-----	.440	-----	b 2.070	2.900	-----	.750	-----	b 5.600
7	2.494	-----	.500	-----	b 1.298	3.995	-----	1.250	-----	b 8.958
8	2.257	-----	.233	-----	b .942	.878	-----	1.010	-----	b 5.881
9	1.634	.150	.400	1.109	-----	4.771	\$2.147	1.062	\$4.012	-----
10	1.650	.031	.357	1.070	-----	4.996	2.185	1.288	4.825	-----
11	1.614	.062	.332	.978	.308	5.300	2.850	.850	3.136	1.456
12	1.380	.116	.320	.879	-----	6.089	5.998	1.006	2.922	-----
13	1.474	.042	.391	1.195	-----	6.050	3.250	1.042	2.689	-----
14	1.722	-----	.490	1.274	-----	5.468	-----	.784	2.688	-----
15	1.597	.136	.600	1.127	.057	5.626	2.469	1.039	2.979	1.488
16	1.646	.014	.343	.986	-----	5.719	3.800	1.008	3.640	-----
17	1.600	-----	.534	1.101	.089	7.000	-----	.750	3.360	1.120
18	1.513	.146	.581	1.458	-----	6.384	2.278	1.081	2.410	-----
19	1.649	.013	.423	.998	.142	5.927	5.533	1.020	2.989	1.136
20	1.820	-----	.488	.446	d .500	4.950	-----	1.008	3.920	d 3.450
21	1.645	-----	.430	.866	-----	6.282	-----	1.000	2.184	-----
22	1.820	-----	.487	.446	d .500	5.500	-----	1.120	4.872	d 3.500
23	1.621	-----	.308	.856	.132	5.371	-----	.788	2.786	2.470
24	1.641	-----	.321	1.088	.069	5.451	-----	.755	2.744	2.218
25	1.661	-----	.331	1.006	.145	5.049	-----	.738	2.821	1.623
26	1.633	-----	.341	1.111	.206	5.548	-----	.736	2.806	1.356
27	1.625	-----	.469	1.388	.020	5.707	-----	.796	2.908	1.291
28	1.728	.049	.817	1.194	-----	6.040	.371	.810	2.356	-----
29	1.443	.161	.612	1.533	-----	6.413	2.000	1.090	2.583	-----
30	1.595	.028	.457	1.216	-----	5.724	3.000	1.057	2.699	-----
31	1.565	.028	.468	1.271	-----	5.626	3.000	1.115	2.853	-----
32	1.415	.176	.569	1.215	.036	5.770	1.993	1.063	2.824	1.119
33	e 1.863	(e)	.517	1.146	-----	e 3.451	(e)	.422	2.542	-----
34	e 1.903	(e)	.576	1.090	-----	e 3.578	(e)	.461	2.920	-----
35	1.900	-----	.450	1.049	-----	4.608	-----	.588	3.054	-----
36	1.853	.037	.325	1.191	-----	3.313	4.062	.526	2.328	-----
37	1.761	.117	.323	1.213	-----	3.289	1.882	.526	2.285	-----
38	f 1.701	.158	.416	1.358	-----	f 3.565	3.544	.494	1.825	-----
39	1.887	-----	.333	.950	.013	3.384	-----	.793	2.689	2.432
40	2.212	-----	.556	1.083	-----	3.799	-----	1.022	4.844	-----
41	2.447	-----	.587	.893	d .650	1.886	-----	.800	4.368	d 3.500
42	2.373	-----	.690	.924	d .425	1.550	-----	.750	5.410	d 3.598
43	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)
44	e 2.426	(e)	.400	1.018	-----	e 1.659	(e)	.461	2.921	-----
45	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)	(g)
46	1.672	.030	.561	.108	d 1.336	3.473	8.038	1.085	5.093	d 3.786
47	2.143	-----	.408	1.093	d .408	2.688	-----	1.000	3.920	d 3.500
48	1.527	.221	.666	1.242	.218	4.460	3.000	.601	3.136	1.792
49	1.566	.171	.576	1.091	.275	3.710	2.500	1.000	3.360	2.246
50	1.599	.150	.400	1.110	-----	3.387	2.146	1.062	4.012	-----
51	1.582	.290	.335	1.178	-----	4.102	2.355	1.336	4.767	-----
52	1.162	.412	.688	1.154	-----	5.507	2.410	.870	2.867	-----
53	1.098	.615	.557	1.169	.012	5.024	2.819	.740	2.707	1.121
54	1.509	.493	.576	.302	d 1.086	5.854	1.572	.850	4.480	d 3.000
55	e 1.649	(e)	.718	1.392	-----	e 4.384	(e)	.942	1.941	-----
56	1.930	.217	.774	1.509	-----	3.748	1.830	.756	2.341	-----
57	1.585	-----	.754	.892	-----	5.751	-----	1.102	2.523	-----
58	.840	.826	.825	.882	-----	5.968	3.000	1.000	2.184	-----
59	1.165	.482	.639	1.232	d .092	4.169	3.250	.821	3.080	d 3.472

a Oyster shells.

b Charcoal.

c Represents the cost of wood entering into the charcoal. The labor cost of converting the wood into charcoal is inseparably combined with furnace labor.

d Anthracite coal.

e The quantity and cost of cinder, scrap, etc., are inseparably combined with quantity and cost of ore.

f Including manganese.

g Not reported.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**F.—PROPORTIONS OF MATERIALS CHARGED INTO THE FURNACE.—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Tons of materials (2,240 pounds) to 1 ton of product.					Cost of materials per ton.				
	Ore.	Cinder, scrap, etc.	Lime-stone.	Coke.	Coal.	Ore.	Cinder, scrap, etc.	Lime-stone.	Coke.	Coal.
60	2.107	.683	.213	1.156	.023	\$1.569	\$1.226	\$0.314	\$3.530	\$1.961
61	1.192	.666	.343	1.016	.....	3.099	.458	.527	2.238	.....
62	2.975	.....	.500	1.125	.012	1.268	.....	.771	2.650	2.436
63	3.200	.....	.525	1.125	.013	1.071	.....	.772	2.649	2.430
64	3.434	.115	.....	1.153	.....	.537	1.507	.....	4.614	.....
65	1.530	.834	.744	.....	2.318	3.645	1.300	.896	.....	1.638
66	1.686	.....	.400	1.197	.011	4.464	.....	.662	2.782	2.406
67	1.336	.336	.451	1.117	.....	4.492	2.601	1.000	3.015	.....
68	1.642	.061	.347	1.250	.098	4.900	3.250	.800	3.080	1.515
69	1.624	.148	.546	1.348	.....	4.272	3.250	.750	3.471	.....
70	1.922	.....	.336	1.329	.056	3.459	.....	.790	3.020	1.736
71	1.669	.....	.479	.912	.....	4.500	.....	.900	3.640	.....
72	1.204	.478	.987	1.373	.....	5.535	2.948	.838	1.533	.....
73	1.723	.253	.850	.381	a 1.043	4.298	2.100	1.130	4.379	a 2.914
74	1.859	.....	.724	.461	a .768	4.000	.....	.900	4.700	a 3.576
75	1.212	.466	.720	1.268	.....	5.243	2.750	.672	2.979	.....
76	1.237	.388	.475	1.178	.....	4.645	2.594	.814	2.746	.....
77	1.278	.446	.573	1.118	.209	5.861	3.250	.750	3.472	1.960
78	1.082	.891	.912	.256	a 1.267	3.942	1.751	.501	3.796	a 2.849
79	1.896	.309	.958	.823	a .533	3.267	2.000	.900	3.359	a 2.850
80	2.580	.....	2.053	1.489	.....	2.638	.....	.360	3.156	.....
81	1.569	.509	1.004	1.834	.....	4.044	2.692	1.210	1.322	.....
82	1.683	.521	1.569	2.054	.....	2.782	3.029	.800	1.064	.....
83	1.356	.514	1.222	1.659	.....	4.735	2.750	.789	1.197	.....
84	1.881	.309	.949	.896	a .465	3.137	2.213	.881	3.222	a 2.883
85	2.870	.287	1.441	.046	a 1.401	1.709	2.000	.850	3.540	a 3.050
86	1.643	.257	.505	1.103	.....	3.876	3.101	.800	2.770	.....
87	1.546	.182	.627	1.183	.....	5.128	3.250	.896	3.080	.....
88	2.239	.093	1.587	1.242	.....	2.586	1.742	.400	3.080	.....
89	1.675	.....	.323	1.092	.....	5.236	.....	.793	2.827	.....
90	1.496	.194	.362	1.031	.....	4.183	1.789	.930	4.827	.....
91	2.414	.010	.450	1.828	.....	.647	.685	.906	2.843	.....
92	2.358	.....	.733	1.563	.....	.918	.....	.651	2.916	.....
93	2.300	.....	.788	1.257	.....	1.441	.....	.670	4.368	.....
94	2.128	.....	.604	1.150	.....	1.570	.....	.605	3.998	.....
95	2.006	.100	.925	1.793	.....	1.327	1.000	.698	2.622	.....
96	2.167	.090	.764	1.331	.....	1.194	1.098	.520	3.360	.....
97	2.110	.....	.376	1.358	.....	1.432	.....	.840	3.731	.....
98	2.305	.....	.835	1.476	.....	1.827	.....	.900	3.920	.....
99	2.521	.....	.450	1.513	.....	1.065	.....	.650	2.800	.....
100	2.264	.....	.520	1.649	.....	.865	.....	.623	2.573	.....
101	2.290	.014	.598	1.774	.....	.866	.750	.653	2.838	.....
102	2.722	.....	.580	1.841	.....	1.567	.....	.395	2.380	.....
103	1.979	.123	.741	1.262	.....	1.840	1.072	.756	3.953	.....
104	1.966	.....	.969	1.550	.....	2.014	.....	.737	2.100	.....
105	2.598	.....	.433	1.551	.183	1.520	.....	.543	2.496	1.566
106	1.812	.111	.777	1.120	.....	2.063	1.203	.670	3.808	.....
107	1.973	.....	.657	1.468	.....	2.104	.....	.750	3.360	.....
108	2.952	.....	.....	1.513	.....	1.686	.....	.....	2.564	.....
109	2.530	.....	1.125	1.330	.....	1.950	.....	.720	3.024	.....
110	2.096	.....	.791	1.039	.....	1.630	.....	.610	4.104	.....
111	2.379	.....	1.290	1.421	.....	1.772	.....	.745	3.797	.....
112	2.328	.....	1.005	1.118	.....	2.016	.....	.700	2.699	.....
113	2.252	.....	1.011	1.222	.....	2.250	.....	.750	3.262	.....
114	2.192	.....	.929	1.463	.....	1.867	.....	.830	3.074	.....
115	2.083	.678	1.064	1.501	.005	2.206	2.976	.363	1.919	1.337
116	b 2.063	(b)	.550	1.312	(c)	b 1.784	(b)	.973	4.024	(c)
117	(c)	(c)	(c)	(c)	(c)	(c)	(e)	(c)	(c)	(c)
118	3.519	.....	.....	1.204	.....	.503	.....	.....	4.617	.....

a Anthracite coal.

b The quantity and cost of cinder, scrap, etc., are inseparably combined with quantity and cost of ore.

c Not reported.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**G.—GENERAL STATEMENT OF COST FOR THE PERIOD.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.—Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1	<i>a</i> \$51,232	<i>a</i> \$10,371	\$2,200	\$2,892	\$250	\$66,945
2	329,855	29,795	6,500	11,964	1,105	379,219
3	145,471	14,568	3,100	5,889	1,250	170,278
4	137,697	41,818	10,220	7,706	1,217	198,658
5	43,533	5,797	1,600	3,998	1,400	56,328
6	51,143	7,330	2,200	2,300	150	63,123
7	35,149	2,533	800	350	200	39,032
8	111,696	21,040	7,596	7,164	500	147,996
9	241,839	22,969	2,444	2,991	657	270,900
10	717,687	78,186	12,000	19,111	6,000	832,984
11	264,060	33,199	2,600	5,059	210	305,128
12	304,497	24,747	3,400	10,244	2,047	344,935
13	313,613	28,384	2,400	4,213	1,500	350,110
14	1,118,711	97,754	15,026	42,310	1,920	1,275,721
15	440,126	48,992	4,458	15,909	1,280	510,765
16	976,584	104,953	10,000	18,221	4,000	1,113,758
17	462,000	45,000	9,500	16,500	575	533,575
18	363,489	42,228	4,876	20,404	1,288	432,285
19	341,827	42,381	6,600	10,593	1,500	402,701
20	568,305	54,750	4,000	21,900	1,200	650,155
21	271,504	24,770	3,250	11,000	875	311,399
22	319,730	27,600	2,000	11,040	600	360,970
23	354,446	41,445	5,520	6,321	500	408,232
24	298,180	27,960	2,100	7,692	502	336,434
25	317,573	38,937	3,900	15,709	526	376,650
26	399,951	44,175	3,900	14,685	526	463,237
27	570,736	63,844	13,333	38,540	614	687,067
28	610,141	50,400	2,116	<i>b</i> 60,225	( <i>b</i> )	722,882
29	466,419	60,152	6,387	32,590	794	560,342
30	275,039	28,279	1,750	8,852	2,000	315,920
31	264,058	27,758	1,750	8,695	1,250	303,511
32	310,391	46,759	2,705	22,252	794	382,901
33	1,025,490	<i>c</i> 44,853	( <i>d</i> )	<i>d</i> 44,715	( <i>e</i> )	<i>f</i> 1,115,058
34	15,466	<i>c</i> 670	( <i>d</i> )	<i>d</i> 796	( <i>e</i> )	<i>f</i> 16,932
35	1,046,982	78,091	1,284	<i>g</i> 23,890	( <i>g</i> )	<i>h</i> 1,150,247
36	292,741	19,047	747	13,447	360	326,342
37	406,547	27,385	676	26,324	527	461,459
38	317,323	25,336	4,919	17,653	540	365,771
39	581,225	44,661	3,420	13,347	1,978	644,631
40	15,172	767	63	52	31	16,085
41	93,417	17,161	3,850	2,522	200	117,150
42	315,144	58,272	7,900	18,342	686	339,444
43	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )
44	9,997	<i>c</i> 651	( <i>d</i> )	<i>d</i> 672	( <i>e</i> )	<i>f</i> 11,320
45	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )
46	195,706	34,071	1,130	9,917	2,600	243,424
47	136,242	19,923	5,064	5,712	563	187,504
48	288,395	34,722	2,500	6,360	( <i>i</i> )	<i>f</i> 331,977
49	197,026	29,757	2,625	6,168	522	236,098
50	344,119	40,002	4,256	5,209	1,143	394,729
51	329,123	42,459	3,000	4,914	1,560	381,056
52	593,147	51,585	2,700	36,626	1,581	685,639
53	618,974	75,086	6,300	16,546	740	717,646
54	337,364	29,810	6,280	14,796	500	388,750
55	233,993	32,033	3,226	12,954	900	283,166
56	166,951	17,094	6,462	7,107	528	199,042

*a* The labor cost of converting wood into charcoal is not included in materials, but is inseparably combined with furnace labor.

*b* The expenditures for taxes are inseparably combined with those for supplies and repairs. The cost of repairs for this establishment was unusually high during the period covered by this investigation.

*c* Furnace labor proper only.

*d* The expenditures for ordinary labor and officials and clerks are inseparably combined with those for supplies and repairs.

*e* Not reported.

*f* Not including taxes.

*g* The expenditures for taxes and insurance are inseparably combined with those for supplies and repairs.

*h* Including insurance.

*i* Taxes not paid by lessee of furnace.

TABLE 1.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**G.—GENERAL STATEMENT OF COST FOR THE PERIOD—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90, are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.—Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
57	\$2, 378	\$248	\$12	\$100	\$7	\$2, 745
58	114, 932	17, 128	2, 215	7, 496	600	142, 371
59	170, 532	33, 793	2, 000	14, 933	398	221, 656
60	565, 282	28, 801	4, 510	15, 380	1, 517	615, 490
61	31, 259	2, 992	72	2, 801	56	37, 180
62	156, 785	15, 523	1, 189	4, 639	687	178, 823
63	54, 611	5, 663	434	1, 692	251	62, 651
64	9, 233	831	255	429	120	10, 868
65	94, 443	10, 611	3, 742	2, 728	594	112, 118
66	445, 707	46, 625	8, 286	11, 237	737	512, 592
67	375, 002	41, 390	4, 300	9, 783	1, 442	431, 917
68	140, 617	17, 971	1, 236	4, 288	(a)	b 164, 112
69	480, 388	61, 976	8, 104	19, 215	223	569, 906
70	176, 943	23, 560	3, 800	7, 964	1, 197	213, 464
71	634, 187	77, 187	4, 975	53, 500	1, 014	770, 863
72	419, 592	45, 308	6, 000	8, 580	1, 000	480, 480
73	200, 355	22, 121	3, 780	1, 513	442	228, 211
74	425, 647	42, 233	15, 390	20, 400	2, 200	503, 870
75	410, 985	53, 843	2, 960	8, 105	895	476, 788
76	338, 767	45, 853	5, 200	15, 149	809	465, 778
77	355, 386	37, 625	6, 400	9, 827	1, 200	410, 438
78	11, 417	1, 656	370	837	35	14, 315
79	19, 433	2, 322	360	1, 550	50	23, 715
80	33, 911	4, 485	472	1, 217	125	40, 210
81	206, 801	32, 868	8, 540	7, 369	848	256, 426
82	22, 727	5, 359	903	770	196	29, 955
83	26, 385	4, 869	480	1, 220	250	33, 204
84	68, 468	8, 503	1, 440	3, 759	200	82, 370
85	15, 428	2, 400	500	446	162	18, 936
86	187, 924	31, 840	1, 650	7, 912	585	229, 911
87	116, 822	12, 548	800	5, 180	82	135, 432
88	254, 048	45, 520	4, 819	12, 500	500	317, 387
89	451, 046	61, 331	4, 000	36, 044	907	553, 328
90	475, 193	62, 279	2, 100	26, 320	3, 922	569, 814
91	279, 936	70, 881	2, 178	21, 682	1, 319	375, 996
92	252, 346	91, 361	6, 855	6, 133	3, 000	359, 695
93	61, 517	10, 425	3, 492	1, 801	148	77, 383
94	291, 985	69, 052	6, 100	29, 422	1, 079	307, 638
95	156, 694	31, 714	8, 816	28, 782	1, 600	227, 606
96	177, 469	43, 106	4, 175	6, 649	720	232, 059
97	87, 008	19, 390	1, 500	4, 276	333	112, 507
98	77, 379	13, 011	1, 100	650	116	92, 256
99	90, 877	24, 084	770	2, 927	250	118, 908
100	408, 315	108, 646	9, 771	43, 995	2, 400	573, 127
101	346, 892	97, 676	9, 771	41, 094	830	496, 253
102	24, 625	3, 379	785	1, 125	108	30, 022
103	321, 751	46, 898	4, 500	10, 616	840	384, 605
104	15, 232	2, 706	430	415	99	18, 882
105	23, 280	3, 694	249	403	100	27, 732
106	29, 432	4, 255	383	400	75	34, 545
107	699, 000	100, 000	7, 500	72, 000	2, 700	881, 200
108	541, 351	47, 941	3, 600	17, 728	2, 868	612, 888
109	321, 511	48, 584	5, 101	32, 604	520	408, 320
110	247, 653	18, 050	5, 160	18, 000	3, 080	291, 943
111	127, 844	17, 948	2, 085	7, 418	847	156, 142
112	336, 105	55, 501	6, 000	20, 008	1, 100	418, 714
113	421, 323	43, 271	11, 080	21, 420	750	497, 844
114	110, 988	15, 538	5, 161	8, 002	500	140, 189
115	332, 987	47, 620	8, 225	16, 428	1, 321	c 406, 581
116	125, 788	10, 150	883	6, 534	428	143, 783
117	(d)	(d)	(d)	(d)	(d)	(d)
118	12, 383	1, 276	373	600	175	14, 813

a Taxes not paid by lessee of furnace.

b Not including taxes.

c From this amount should be deducted \$35,089, the value of lead, zinc, and other incidental products of manufacture.

d Not reported.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**H.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.—Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.						Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total of all cost.
	Ore.	Cinder, scrap, etc.	Limestone.	Coke.	Coal.	Total.					
1	\$10.321	.....	a \$0.100	.....	b \$7.307	c \$17.728	c \$3.589	\$0.761	\$1.001	\$0.086	\$23.165
2	4.007	.....	.173	.....	d 9.043	13.223	1.194	.261	.480	.044	15.202
3	6.931	.....	.152	.....	d 5.267	12.350	1.237	.263	.500	.106	14.456
4	5.303	.....	.165	.....	d 4.722	10.190	3.094	.756	.570	.090	14.700
5	5.228	.....	.283	.....	d 9.000	14.511	1.932	.533	1.333	.467	18.776
6	8.538	.....	.330	.....	d 11.589	20.457	2.032	.880	.920	.060	25.249
7	9.962	.....	.625	.....	d 11.631	22.218	1.601	.506	.221	.127	24.673
8	1.981	.....	.235	.....	d 5.541	7.757	1.461	.528	.498	.035	10.279
9	7.795	\$0.322	.425	\$4.451	.....	12.993	1.234	.131	.161	.035	14.554
10	8.245	.067	.460	5.163	.....	13.935	1.518	.233	.371	.116	16.173
11	8.556	.177	.282	3.067	.448	12.530	1.575	.124	.240	.010	14.479
12	8.404	.097	.322	2.568	.....	11.991	.975	.134	.403	.081	13.584
13	8.919	.136	.407	3.214	.....	12.676	1.147	.097	.170	.061	14.151
14	9.412	.....	.334	3.424	.....	13.220	1.155	.178	.500	.023	15.076
15	8.984	.336	.623	3.358	.085	13.386	1.490	.136	.484	.039	15.535
16	9.412	.052	.346	3.589	.....	13.399	1.440	.137	.250	.055	15.281
17	11.200	.....	.406	3.700	.100	15.400	1.500	.317	.550	.019	17.786
18	9.662	.332	.627	3.515	.....	14.136	1.642	.190	.793	.050	16.811
19	9.777	.071	.431	2.984	.161	13.424	1.665	.259	.416	.059	15.823
20	9.009	.....	.491	1.750	e 1.725	12.975	1.250	.091	.500	.028	14.844
21	10.337	.....	.430	1.891	.....	12.658	1.155	.151	.513	.041	14.518
22	10.010	.....	.545	2.175	e 1.750	14.480	1.250	.091	.500	.027	16.348
23	8.709	.....	.243	2.384	.327	11.663	1.364	.182	.208	.016	13.433
24	8.946	.....	.242	2.985	.154	12.327	1.156	.087	.318	.021	13.909
25	8.388	.....	.244	2.837	.236	11.705	1.435	.144	.579	.019	13.882
26	9.059	.....	.251	3.118	.280	12.708	1.403	.124	.466	.017	14.718
27	9.274	.....	.373	4.035	.026	13.708	1.534	.320	.926	.015	16.503
28	10.436	.018	.662	2.814	.....	13.930	1.151	.048	f 1.375	(f)	16.504
29	9.253	.321	.668	3.959	.....	14.201	1.831	.105	.992	.024	17.243
30	9.129	.085	.483	3.280	.....	12.977	1.334	.083	.418	.094	14.906
31	8.803	.086	.519	3.626	.....	13.034	1.370	.086	.429	.062	14.981
32	8.165	.353	.605	3.431	.040	12.594	1.897	.110	.903	.032	15.536
33	g 6.427	(g)	.218	2.914	.....	9.559	h. 418	(i)	i. 417	(j)	k 10.394
34	g 6.807	(g)	.266	3.183	.....	10.256	h. 444	(i)	i. 528	(j)	k 11.228
35	8.756	.....	.265	3.207	.....	12.228	.912	.015	l. 279	(l)	m 13.434
36	6.138	.149	.171	2.772	.....	9.230	.601	.024	.424	.011	10.290
37	5.791	.220	.170	2.772	.....	8.953	.603	.015	.580	.012	10.163
38	n 6.063	.560	.206	2.479	.....	9.308	.743	.144	.518	.016	10.729
39	6.387	.....	.264	2.555	.030	9.236	.710	.054	.212	.032	10.244
40	8.403	.....	.568	5.248	.....	14.219	.719	.059	.049	.029	15.075
41	4.615	.....	.469	3.900	e 2.270	11.260	2.069	.464	.304	.024	14.121
42	3.680	.....	.517	4.997	e 1.529	10.723	1.983	.238	.624	.023	13.591
43	g 3.630	(g)	.184	2.971	.....	6.785	h. 470	(i)	i. 481	(j)	k 7.736
44	g 4.024	(g)	.185	2.973	.....	7.182	h. 467	(i)	i. 483	(j)	k 8.132
45	g 4.611	(g)	.184	2.971	.....	7.766	h. 470	(i)	i. 481	(j)	k 8.717
46	5.808	.239	.609	.551	e 5.060	12.267	2.135	.071	.622	.163	15.258
47	5.759	.....	.408	4.285	e 1.428	11.880	1.738	.442	.498	.049	14.607
48	6.808	.664	.401	3.895	.391	12.159	1.464	.105	.208	(o)	k 13.096

a Oyster shells.

b Represents the cost of wood entering into the charcoal. The labor cost of converting the wood into charcoal is inseparably combined with furnace labor.

c The labor cost of converting wood into charcoal is inseparably combined with furnace labor.

d Charcoal.

e Anthracite coal.

f The expenditures for taxes are inseparably combined with those for supplies and repairs. The cost of repairs for this establishment was unusually high during the period covered by this investigation.

g The expenditures for cinder, scrap, etc., are inseparably combined with those for ore.

h Furnace labor proper only.

i The expenditures for ordinary labor and officials and clerks are inseparably combined with those for supplies and repairs.

j Not reported.

k Not including taxes.

l The expenditures for taxes and insurance are inseparably combined with those for supplies and repairs.

m Including insurance.

n Including manganese.

o Taxes not paid by lessee of furnace.



TABLE I.—COST OF PRODUCTION OF PIG IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## II.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS—Continued.

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.—Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.					Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total of all cost.
	Ore.	Cinder, scrap, etc.	Lime-stone.	Coke.	Coal.					
49	\$5.809	\$0.429	\$0.576	\$3.666	\$0.616	\$11.096	\$1.676	\$0.148	\$0.347	\$13.296
50	5.418	.322	.425	4.451	.....	10.616	1.234	.131	.161	12.177
51	6.487	.684	.448	5.616	.....	13.235	1.707	.121	.198	15.324
52	6.401	.993	.598	3.307	.....	11.299	.983	.051	.698	13.061
53	5.517	1.732	.412	3.165	.014	10.840	1.315	.110	.290	12.568
54	8.835	.775	.489	1.354	α3.259	14.712	1.300	.274	.645	16.953
55	b7.229	(b)	.676	2.702	.....	10.607	1.452	.149	.587	12.836
56	7.233	.397	.584	3.531	.....	11.745	1.266	.455	.500	14.003
57	9.113	.....	.831	2.251	.....	12.195	1.272	.061	.513	14.077
58	5.012	2.478	.825	1.927	.....	10.242	1.526	.197	.668	12.687
59	4.858	1.565	.525	3.796	α.318	11.062	2.192	.130	.969	14.379
60	3.305	.837	.067	4.079	.045	8.333	.425	.066	.227	9.073
61	3.694	.305	.181	2.274	.....	6.454	.618	.015	.578	7.677
62	3.772	.....	.385	2.981	.030	7.168	.710	.054	.212	8.175
63	3.427	.....	.406	2.981	.030	6.844	.710	.054	.212	7.851
64	1.845	.172	.....	5.322	.....	7.339	.661	.203	.341	8.639
65	5.578	1.083	.667	.....	3.797	11.125	1.250	.441	.321	13.207
66	7.525	.....	.265	3.331	.026	11.147	1.166	.207	.281	12.820
67	6.671	1.003	.451	3.367	.....	11.492	1.268	.132	.300	13.236
68	8.044	.199	.278	3.850	.148	12.519	1.600	.110	.382	d 14.611
69	6.937	.480	.410	4.679	.....	12.506	1.613	.211	.500	14.836
70	6.648	.....	.266	4.014	.096	11.024	1.468	.237	.496	13.500
71	7.510	.....	.431	3.320	.....	11.261	1.371	.088	.950	13.688
72	7.160	1.410	.827	2.105	.....	11.502	1.242	.165	.235	13.171
73	7.406	.531	.960	1.670	α3.040	13.607	1.502	.257	.103	15.499
74	7.435	.....	.652	2.167	α2.748	13.002	1.290	.470	.623	15.452
75	6.355	1.282	.484	5.776	.....	11.897	1.559	.086	.235	13.893
76	5.745	1.007	.386	3.234	.....	10.372	1.404	.159	.464	12.424
77	7.492	1.449	.429	3.880	.410	13.660	1.446	.246	.378	15.776
78	4.265	1.559	.457	.971	α3.611	10.863	1.576	.352	.796	13.620
79	6.195	.618	.861	2.705	α1.519	11.958	1.429	.222	.954	14.594
80	6.808	.....	.739	4.700	.....	12.247	1.620	.170	.440	14.522
81	6.344	1.371	1.214	2.425	.....	11.354	1.804	.469	.405	14.079
82	4.681	1.578	1.256	2.185	.....	9.700	2.287	.385	.329	12.785
83	6.419	1.414	.964	1.986	.....	10.783	1.990	.196	.498	13.569
84	5.899	.685	.837	2.887	α1.342	11.650	1.447	.245	.640	14.016
85	4.905	.573	1.225	.161	α4.275	11.139	1.733	.361	.322	13.672
86	6.368	.798	.404	3.054	.....	10.624	1.800	.093	.447	12.997
87	7.925	.593	.561	3.644	.....	12.723	1.367	.087	.564	14.750
88	5.790	.163	.635	3.824	.....	10.412	1.866	.197	.512	13.007
89	8.769	.....	.256	3.087	.....	12.112	1.647	.107	.968	14.858
90	6.259	.347	.336	4.975	.....	11.917	1.562	.053	.660	14.291
91	1.561	.007	.408	5.197	.....	7.173	1.816	.056	.555	9.634
92	2.165	.....	.477	4.580	.....	7.202	2.608	.196	.175	10.267
93	3.315	.....	.528	5.491	.....	9.334	1.582	.530	.273	11.741
94	3.340	.....	.365	4.600	.....	8.305	1.964	.173	.837	11.310
95	2.662	.101	.646	4.701	.....	8.110	1.641	.456	1.489	11.779
96	2.587	.099	.397	4.471	.....	7.554	1.835	.178	.283	9.881
97	3.021	.....	.315	5.068	.....	8.404	1.873	.145	.413	10.867
98	4.211	.....	.752	5.784	.....	10.747	1.807	.153	.090	12.813
99	2.686	.....	.293	4.237	.....	7.216	1.912	.061	.232	9.441
100	1.960	.....	.324	4.243	.....	6.527	1.737	.156	.703	9.161
101	1.983	.010	.391	5.033	.....	7.417	2.083	.209	.879	10.610
102	4.266	.....	.229	4.382	.....	8.877	1.218	.283	.405	10.822
103	3.643	.131	.560	4.991	.....	9.325	1.359	.130	.308	11.146
104	3.959	.....	.714	3.256	.....	7.929	1.409	.224	.216	9.829
105	3.948	.....	.235	3.870	.287	8.340	1.324	.089	.144	9.933
106	3.739	.134	.520	4.263	.....	8.656	1.251	.113	.118	10.160
107	4.151	.....	.493	4.931	.....	9.575	1.370	.103	.986	12.071
108	4.977	.....	.....	3.878	.....	8.855	.784	.049	.290	10.025
109	4.935	.....	.810	4.021	.....	9.766	1.476	.155	.990	12.403

α Anthracite coal.

b The expenditures for cinder, scrap, etc., are inseparably combined with those for ore.

c Taxes not paid by lessee of furnace.

d Not including taxes.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**II.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.—Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.						Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total of all cost.
	Ore.	Cinder, scrap, etc.	Limestone.	Coke.	Coal.	Total.					
110	\$3.417	.....	\$0.483	\$4.264	.....	\$8.164	\$0.595	\$0.170	\$0.593	\$0.101	\$9.623
111	4.215	.....	.961	5.397	.....	10.573	1.484	.172	.614	.070	12.913
112	4.694	.....	.704	3.016	.....	8.414	1.389	.150	.501	.028	10.482
113	5.066	.....	.753	3.986	.....	9.810	1.008	.258	.490	.017	11.592
114	4.093	.....	.771	4.498	.....	9.362	1.311	.435	.675	.042	11.825
115	4.595	\$2.017	.386	2.880	\$0.007	9.885	1.414	.244	.488	.039	<i>a</i> 12.070
116	<i>b</i> 3.680	( <i>b</i> )	.535	5.281	.033	9.529	.769	.067	.495	.033	10.893
117	<i>c</i> 5.441	( <i>c</i> )	<i>c</i> .854	<i>d</i> 2.766	( <i>d</i> )	9.061	.711	( <i>e</i> )	<i>e</i> 1.335	( <i>e</i> )	<i>f</i> 11.107
118	1.771	.....	.....	5.556	.....	7.327	.755	.221	.359	.103	8.765

*a* From this amount should be deducted \$1.042, the value of lead, zinc, and other incidental products per ton of iron produced, leaving the total net cost \$11.028.

*b* The expenditures for cinder, scrap, etc., are inseparably combined with those for ore.

*c* The expenditures for cinder, scrap, etc., are inseparably combined with those for ore and limestone.

*d* The expenditures for coal are inseparably combined with those for coke.

*e* The expenditures for officials and clerks and taxes are inseparably combined with those for supplies and repairs.

*f* From this amount should be deducted \$0.619, the value of lead and zinc per ton of iron produced, leaving the total net cost \$10.488.





TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**J.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.—This table is based on the preceding table, and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader referred to that table for such information as they furnish.]

Establishment number.	Materials.						Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total of all cost.
	Ore.	Cinder, scrap, etc.	Limestone.	Coke.	Coal.	Total.					
67	50.40	7.58	3.41	25.44	.....	86.83	9.58	1.00	2.26	.33	100
68	55.06	1.36	1.90	26.35	1.01	85.68	10.95	.75	2.62	.....	100
69	46.76	3.24	2.76	31.54	.....	84.30	10.87	1.42	3.37	.04	100
70	49.99	.....	2.00	30.18	.72	82.89	11.04	1.78	3.73	.56	100
71	54.87	.....	3.15	24.25	.....	82.27	10.02	.64	6.94	.13	100
72	54.36	10.71	6.28	15.98	.....	87.33	9.43	1.25	1.78	.21	100
73	47.78	3.43	6.19	10.78	19.61	87.79	9.69	1.66	.67	.19	100
74	48.12	.....	4.22	14.02	17.79	84.15	8.35	3.04	4.03	.43	100
75	46.04	9.29	3.51	27.36	.....	86.20	11.29	.62	1.70	.19	100
76	46.24	8.11	3.11	26.03	.....	83.49	11.30	1.28	3.73	.20	100
77	47.49	9.18	2.72	24.59	2.60	86.58	9.17	1.56	2.40	.29	100
78	31.31	11.45	3.36	7.13	26.51	79.76	11.57	2.59	5.84	.24	100
79	42.45	4.23	5.90	18.95	10.41	81.94	9.70	1.52	6.64	.21	100
80	46.88	.....	5.09	32.36	.....	84.33	11.16	1.17	3.03	.31	100
81	45.06	9.74	8.62	17.23	.....	80.65	12.81	3.33	2.88	.33	100
82	36.61	12.34	9.83	17.09	.....	75.87	17.89	3.01	2.57	.66	100
83	47.31	10.42	7.10	14.64	.....	79.47	14.67	1.44	3.67	.75	100
84	42.09	4.89	5.97	20.60	9.57	83.12	10.32	1.75	4.57	.24	100
85	35.88	4.19	8.96	1.18	31.27	81.48	12.67	2.64	2.35	.86	100
86	49.00	6.14	3.11	23.50	.....	81.75	13.85	.71	3.44	.25	100
87	53.73	4.02	3.80	21.71	.....	86.26	9.27	.59	3.82	.06	100
88	44.51	1.25	4.88	29.40	.....	80.04	14.35	1.52	3.94	.15	100
89	59.02	.....	1.72	20.78	.....	81.52	11.08	.72	6.52	.16	100
90	43.80	2.43	2.35	34.81	.....	83.39	10.93	.37	4.62	.69	100
91	16.20	.07	4.24	53.95	.....	74.46	18.85	.58	5.76	.35	100
92	21.09	.....	4.65	44.41	.....	70.15	25.40	1.91	1.70	.84	100
93	28.23	.....	4.50	46.77	.....	79.50	13.47	4.51	2.33	.19	100
94	29.53	.....	3.23	40.67	.....	73.43	17.37	1.53	7.40	.27	100
95	22.60	.86	5.48	39.91	.....	68.85	13.93	3.87	12.64	.71	100
96	26.18	1.00	4.02	45.25	.....	76.45	18.57	1.80	2.87	.31	100
97	27.80	.....	2.90	46.64	.....	77.34	17.24	1.33	3.80	.29	100
98	32.87	.....	5.87	45.14	.....	83.88	14.10	1.19	.70	.13	100
99	28.45	.....	3.10	44.88	.....	76.43	20.25	.65	2.46	.21	100
100	21.40	.....	3.54	46.32	.....	71.26	18.96	1.70	7.67	.41	100
101	18.69	.09	3.69	47.44	.....	69.91	19.68	1.97	8.28	.16	100
102	39.42	.....	2.12	40.49	.....	82.03	11.25	2.62	3.74	.36	100
103	32.68	1.18	5.02	44.78	.....	83.66	12.19	1.17	2.76	.22	100
104	40.28	.....	7.26	33.13	.....	80.67	14.33	2.28	2.20	.52	100
105	39.75	.....	2.36	38.06	2.89	83.96	13.33	.90	1.45	.36	100
106	36.80	1.32	5.12	41.96	.....	85.20	12.31	1.11	1.16	.22	100
107	34.39	.....	4.08	40.85	.....	79.32	11.35	.85	8.17	.31	100
108	49.65	.....	.....	38.68	.....	88.33	7.82	.49	2.89	.47	100
109	39.79	.....	6.53	22.42	.....	78.74	11.90	1.25	7.98	.13	100
110	35.51	.....	5.02	44.31	.....	84.84	6.18	1.77	6.16	1.05	100
111	32.64	.....	7.44	41.80	.....	81.88	11.49	1.33	4.76	.54	100
112	44.78	.....	6.72	28.77	.....	80.27	13.25	1.43	4.78	.27	100
113	43.70	.....	6.54	34.39	.....	84.63	8.69	2.23	4.30	.15	100
114	34.61	.....	6.52	38.04	.....	79.17	11.09	3.68	5.71	.35	100
115	38.07	16.71	3.20	23.86	.06	81.90	11.72	2.02	4.04	.32	100
116	33.78	.....	4.81	48.48	.30	87.47	7.06	.62	4.55	.30	100
117	48.99	.....	7.69	24.90	.....	81.58	6.40	.....	12.02	.....	100
118	20.21	.....	.....	63.39	.....	83.60	8.61	2.52	4.09	1.18	100

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**K.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$300	\$1, 400	\$1, 500	\$3, 200
2.....	2, 164	773		3, 221
3.....	775		284	775
4.....	865			865
5.....	300		570	870
6.....	350		950	1, 300
7.....	100	475		575
8.....	850	1, 001		1, 851
9.....	547	5, 428		5, 975
10.....	1, 000	18, 000	15, 289	34, 289
11.....				
12.....				
13.....			2, 227	2, 227
14.....	500			500
15.....				
16.....	1, 200		30, 000	31, 200
17.....	375	a 18, 500		18, 875
18.....				
19.....			19, 087	19, 087
20.....	400			400
21.....		4, 500	4, 000	8, 500
22.....	200			200
23.....	319	4, 200		4, 519
24.....	350	1, 954		2, 304
25.....	474	b 13, 566		14, 040
26.....	474	b 15, 737		16, 211
27.....	906			906
28.....	(c)	(c)	17, 520	d 17, 520
29.....				
30.....				
31.....	198			198
32.....				
33.....				
34.....	(c)	(c)	(c)	(c)
35.....				
36.....				
37.....				
38.....				
39.....	89	14, 547		14, 636
40.....	5		78	83
41.....	500	6, 222	2, 074	8, 796
42.....	382	18, 321	11, 756	30, 459
43.....	(c)	(c)	(c)	(c)
44.....	(c)	(c)	(c)	(c)
45.....	(c)	(c)	(c)	(c)
46.....	(c)	(c)	(c)	(c)
47.....				
48.....	137	5, 963		6, 100
49.....	(e)	b 5, 500		f 5, 500
50.....	113			113
51.....	953	9, 452		10, 405
52.....	1, 200	g 18, 649		19, 849
53.....	420		2, 625	3, 045
54.....	525			525
55.....	250	9, 000		9, 250
56.....	325	6, 000	3, 000	9, 325
57.....	485	7, 107		7, 592
58.....	(c)	40	65	d 105
59.....		4, 500	4, 000	8, 500
60.....	203			203
61.....	103	4, 002		4, 105
62.....				
63.....	31	5, 056		5, 087
	11	1, 845		1, 856

a Of this amount \$15,000 is rental of furnace.

b Rental of furnace.

c Not reported.

d Not including insurance and interest.

e Insurance not paid by lessee of furnace.

f Not including insurance.

g Of this amount \$12,434 is rental of furnace.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**K.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 62 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
64.....	\$6		\$57	\$63
65.....	120			120
66.....	369	\$10, 293		10, 662
67.....				
68.....	(a)	b 2, 808		c 2, 808
69.....				
70.....	250			250
71.....	566			566
72.....				
73.....	113	d 7, 413		7, 526
74.....	200	13, 095		13, 295
75.....	250			250
76.....	507	2, 904		3, 411
77.....	496			496
78.....	10			10
79.....	25	625		650
80.....	8			8
81.....	322	(e)		f 322
82.....	250	(e)		f 250
83.....		(e)		(e)
84.....	33	2, 500		2, 533
85.....	85			85
86.....	265	3, 260		3, 525
87.....	67			67
88.....		11, 500	20, 000	31, 500
89.....	240	11, 997		12, 237
90.....				
91.....				
92.....		8, 759	13, 139	21, 898
93.....				
94.....	450	29, 000	8, 789	38, 239
95.....		7, 200		7, 200
96.....		11, 000	1, 000	12, 000
97.....	75	233		308
98.....				
99.....				
100.....	275			275
101.....	454			454
102.....	11	759		770
103.....	83	2, 000		2, 083
104.....	25	90		115
105.....				
106.....	10	167		177
107.....		(e)	(e)	(e)
108.....	2, 445	2, 700		5, 145
109.....				
110.....				
111.....				
112.....			19, 974	19, 974
113.....				
114.....		(e)		(e)
115.....			19, 846	19, 846
116.....	54			54
117.....			(e)	(e)
118.....	9		80	89

a Insurance not paid by lessee of furnace.

b Rental of furnace.

c Not including insurance.

d Of this amount \$3,681 is rental of furnace.

e Not reported.

f Not including interest.

TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**L.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1	\$0.104	\$0.484	\$0.519	\$1.107
2	.087	.031	.011	.129
3	.066			.066
4	.064			.064
5	.100		.190	.290
6	.140		.380	.520
7	.063	.300		.363
8	.059	.070		.129
9	.029	.202		.321
10	.019	.350	.297	.666
11				
12			.090	.090
13				.006
14	.006			
15				
16	.016		.412	.428
17	.012	a .617		.629
18				
19			.750	.750
20	.009			.009
21		.210	.186	.396
22	.009			.009
23	.011	.138		.149
24	.014	.081		.095
25	.017	b .500		.517
26	.015	b .500		.515
27	.022			.022
28	(c)	(c)	.400	d .400
29				
30				
31	.010			.010
32				
33	(c)	(c)	(c)	(c)
34				
35				
36				
37				
38				
39				
40	.001	.231		.232
41	.005		.073	.078
42	.060	.750	.250	1.060
43	.013	.623	.400	1.036
44	(c)	(c)	(c)	(c)
45	(c)	(c)	(c)	(c)
46	(c)	(c)	(c)	(c)
47				
48	.012	.520		.532
49	(e)	b .232		f .232
50	.006			.006
51	.029	.292		.321
52	.048	a .750		.798
53	.008		.050	.058
54	.009			.009
55	.011	.392		.403
56	.015	.272	.136	.423
57	.034	.500		.534
58	(c)	.205	.333	f .538
59		.401	.356	.757
60	.013			.013
61	.002	.059		.061
62				
63	.002	.231		.233
64	.001	.231		.232
	.005		.045	.050

a Of this amount \$0.500 is rental of furnace.

b Rental of furnace.

c Not reported.

d Not including insurance and interest.

e Insurance not paid by lessee of furnace.

f Not including insurance.



TABLE I.—COST OF PRODUCTION OF **PIG IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Concluded.**L.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS—Concluded.**

[Establishments numbers 1 to 7, 9 to 32, 41, 42, 46 to 59, and 65 to 90 are in the northern district of the United States; numbers 8, and 91 to 114 are in the southern district of the United States; numbers 33 to 35, 40, 43 to 45, 60, 64, 115, 117, and 118 are on the continent of Europe; and numbers 36 to 39, 61 to 63, and 116 are in Great Britain.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
65.....	\$0.014			\$0.014
66.....	.009	\$0.258		.267
67.....				
68.....	(a)	b .250		c .250
69.....				
70.....	.016			.016
71.....	.010			.010
72.....				
73.....	.008	d .503		.511
74.....	.006	.400		.406
75.....	.007			.007
76.....	.016	.089		.105
77.....	.019			.019
78.....	.010			.010
79.....	.015	.385		.400
80.....	.003			.003
81.....	.018	(e)		f .018
82.....	.107	(e)		f .107
83.....		(e)		(e)
84.....	.006	.425		.431
85.....	.061			.061
86.....	.015	.184		.199
87.....	.007			.007
88.....		.471	\$0.820	1.291
89.....	.007	.322		.329
90.....				
91.....				
92.....		.250	.375	.625
93.....				
94.....	.013	.825	.250	1.088
95.....		.373		.373
96.....		.468	.043	.511
97.....	.007	.023		.030
98.....				
99.....				
100.....	.004			.004
101.....	.010			.010
102.....	.004	.274		.278
103.....	.002	.058		.060
104.....	.013	.047		.060
105.....				
106.....	.003	.049		.052
107.....		(e)	(e)	(e)
108.....	.040	.044		.084
109.....				
110.....				
111.....				
112.....			.500	.500
113.....				
114.....		(e)		(e)
115.....			.589	.589
116.....	.004			.004
117.....			.483	.483
118.....	.005		.047	.052

a Insurance not paid by lessee of furnace.

b Rental of furnace.

c Not including insurance.

d Of this amount \$0.250 is rental of furnace.

e Not reported.

f Not including interest.

From the foregoing table have been drawn certain minor tables showing various features for the twenty-six blast furnaces of the northern district of the United States, and the twenty-four of the southern district making run of furnace pig iron, by which the relative condition and results can be intelligently studied. These minor tables are as follows:

RUN OF FURNACE PIG IRON IN THE UNITED STATES.

DESCRIPTION OF FURNACES AND QUANTITY OF PRODUCT.

Northern district.				Southern district.			
Description of furnace.			Tons (2,240 lbs.) produced per day per fur- nace.	Description of furnace.			Tons (2,240 lbs.) produced per day per fur- nace.
Establishment number.	Diameter of bosh (inches).	Height of stack (feet).		Establishment number.	Diameter of bosh (inches).	Height of stack (feet).	
65	144	52	34	91	204	75	69
66	192	75	118	92	(a)	(b)	c61
67	192	75	107	93	192	75	85
68	186	72	122	94	216	75	102
69	192	75	106	95	164	65	52
70	174	57	44	96	210	65	81
71	192	75	156	97	192	75	98
72	222	77	100	98	192	75	87
73	186	59	42	99	240	80	102
74	186	56	89	100	(d)	(e)	c86
75	192	60	94	101	204	75	72
76	168	63	91	102	204	63	89
77	186	72	84	103	192	69	95
78	156	50	34	104	156	60	64
79	162	60	54	105	(f)	65	c47
80	204	65	45	106	192	69	113
81	198	65	62	107	216	75	100
82	150	61	25	108	240	70	84
83	144	60	27	109	192	70	105
84	162	60	49	110	(g)	60	c42
85	138	43	15	111	150	61	37
86	168	60	96	112	204	75	109
87	148	60	74	113	222	80	119
88	168	70	80	114	132	60	35
89	180	65	111				
90	204	66	119				

a One 198 and one 213 inches.

b One 63 and one 75 feet.

c Average product per day of two furnaces of different sizes.

d One 192 and one 204 inches.

e One 65 and one 70 feet.

f One 168 and one 180 inches.

g One 132 and one 168 inches.

SUMMARY OF DESCRIPTION OF FURNACES AND QUANTITY OF PRODUCT.

Items.	Northern district.	Southern district.
Establishments reporting the facts required for statements below	26	24
Furnaces	29	35
Average diameter of bosh (inches)	179.1	198.7
Average height of stack (feet)	64.1	70.6
Average production per day per furnace (tons of 2,240 pounds)	86.6	77.8

The general results as to measurement discoverable in the preceding table are that for the twenty-six northern establishments the average diameter of bosh is 179.1 inches and the average height of stack 64.1 feet; and for the twenty-four southern that the average diameter of bosh is 198.7 inches and the average height of stack 70.6 feet. In spite, however, of the larger cubical contents of southern furnaces the average daily product per furnace for the northern district was 86.6 tons, and for the southern district 77.8 tons. If we now examine the next table we shall get some notion of the cause of this.

## RUN OF FURNACE PIG IRON IN THE UNITED STATES.

QUANTITY OF IRON IN ORE, AND TONS OF ORE, ETC., TO ONE TON OF PRODUCT.

[The ton considered is of 2,240 pounds.]

Northern district.				Southern district.			
Establishment number.	Per cent. (average) of metallic iron in ore used.	Tons of ore to one ton of product.	Tons of cinder, scrap, etc., to one ton of product.	Establishment number.	Per cent. (average) of metallic iron in ore used.	Tons of ore to one ton of product.	Tons of cinder, scrap, etc., to one ton of product.
65.....	59.8	1.530	.834	91.....	(b)	2.414	.010
66.....	55.8	1.686	.....	92.....	43.8	2.358	.....
67.....	65.4	1.336	.386	93.....	49.6	2.300	.....
68.....	60.0	1.642	.061	94.....	46.8	2.128	.....
69.....	59.3	1.624	.148	95.....	47.2	2.006	.100
70.....	52.0	1.922	.....	96.....	47.4	2.167	.090
71.....	62.0	1.669	.....	97.....	53.0	2.110	.....
72.....	56.5	1.294	.478	98.....	47.5	2.305	.....
73.....	52.3	1.723	.253	99.....	46.9	2.521	.....
74.....	(a)	1.859	.....	100.....	44.4	2.264	.....
75.....	61.7	1.212	.466	101.....	46.0	2.290	.014
76.....	61.1	1.237	.388	102.....	39.5	2.722	.....
77.....	62.6	1.278	.446	103.....	47.4	1.979	.123
78.....	51.1	1.032	.891	104.....	49.6	1.966	.....
79.....	(a)	1.896	.309	105.....	38.8	2.598	.....
80.....	(a)	2.580	.....	106.....	46.1	1.812	.111
81.....	45.8	1.669	.509	107.....	50.2	1.973	.....
82.....	(a)	1.683	.521	108.....	38.8	2.952	.....
83.....	54.4	1.356	.514	109.....	52.5	2.530	.....
84.....	(a)	1.881	.309	110.....	48.1	2.096	.....
85.....	(a)	2.870	.287	111.....	42.5	2.379	.....
86.....	60.0	1.643	.257	112.....	44.0	2.328	.....
87.....	59.5	1.546	.182	113.....	42.0	2.252	.....
88.....	(a)	2.239	.093	114.....	47.0	2.192	.....
89.....	59.7	1.675	.....				
90.....	60.0	1.496	.194				

a Not reported.

b From 35.5 to 47.8.

## SUMMARY OF QUANTITY OF IRON IN ORE, AND TONS OF ORE, ETC., TO ONE TON OF PRODUCT.

Items.	Northern district.	Southern district.
Establishments reporting both per cent. of iron in ore and the tons of ore used.	19	23
Per cent. of iron in an average ton of ore in these establishments	58.9	45.5
Establishments using ore only	6	18
Tons of ore used in these establishments	322,609	1,118,838
Tons of product in these establishments	185,099	481,215
Average tons of ore to 1 ton of product in these establishments	1.743	2.325
Establishments using both ore and cinder, scrap, etc.	20	6
Tons of ore used in these establishments	538,127	365,472
Tons of cinder, scrap, etc., used in these establishments	119,225	9,713
Tons of product in these establishments	359,278	166,513
Average tons of ore to 1 ton of product in these establishments	1.498	2.195
Average tons of cinder, scrap, etc., to 1 ton of product in these establishments	.332	.058

It is generally the case that a mix of several kinds of ores is used varying somewhat in the proportions of certain important constituents. The per cent. of metallic iron, therefore, shown in the preceding table is generally an average based on the several different per cents., taking into account the quantities of each ore used. It will be seen at a glance that the proportion of iron in the ore is much smaller in the southern than in the northern district, the actual average for the 19 northern establishments, for which figures are given, being 58.9 per cent., and for the 23 southern, 45.5 per cent. Naturally, then, a larger quantity of ore must be



used in the south. Reference to the table shows that for establishments depending on ore alone the 6 northern used an average of 1.743 tons, and the 18 southern 2.325; and that for those using cinder, scrap, etc., as well as ore the average of ore was for the 20 northern 1,493 tons, and for the 6 southern 2.195 tons. It is apparent that the southern furnaces depend much more largely on ore alone, and for those that use cinder, scrap, etc., in addition the proportion is only 0.058 ton per ton of product against 0.332 ton in the north.

The following table shows the tons of each different material used to one ton of product:

# RUN OF FURNACE PIG IRON IN THE UNITED STATES.

## TONS OF MATERIAL TO ONE TON OF PRODUCT.

[The ton considered is of 2,240 pounds.]

Northern district.							Southern district.						
Es- tab- lish- ment num- ber.	Ore.	Cin- der, scrap, etc.	Lime- stone.	Coke.	Coal.	Total.	Es- tab- lish- ment num- ber.	Ore.	Cin- der, scrap, etc.	Lime- stone.	Coke.	Coal.	Total.
65....	1.530	.834	.744	.....	2.318	5.426	91..	2.414	.010	.450	1.823	.....	4.702
66....	1.686	.....	.400	1.197	.011	3.294	92..	2.358	.....	.733	1.563	.....	4.654
67....	1.336	.386	.451	1.117	.....	3.290	93..	2.300	.....	.788	1.257	.....	4.345
68....	1.642	.061	.347	1.250	.098	3.398	94..	2.128	.....	.604	1.150	.....	3.882
69....	1.624	.148	.546	1.348	.....	3.666	95..	2.006	.100	.925	1.793	.....	4.824
70....	1.922	.....	.336	1.329	.056	3.643	96..	2.167	.090	.764	1.331	.....	4.352
71....	1.669	.....	.479	.912	.....	3.060	97..	2.110	.....	.376	1.358	.....	3.844
72....	1.294	.478	.987	1.373	.....	4.132	98..	2.305	.....	.835	1.476	.....	4.616
73....	1.723	.253	.850	.381	a1.043	4.250	99..	2.521	.....	.450	1.513	.....	4.484
74....	1.859	.....	.724	.461	a.768	3.812	100..	2.264	.....	.520	1.649	.....	4.433
75....	1.212	.466	.720	1.268	.....	3.666	101..	2.290	.014	.598	1.774	.....	4.676
76....	1.237	.388	.475	1.178	.....	3.278	102..	2.722	.....	.580	1.841	.....	5.143
77....	1.278	.446	.573	1.118	.209	3.624	103..	1.979	.123	.741	1.262	.....	4.105
78....	1.082	.891	.912	.256	a1.267	4.408	104..	1.966	.....	.969	1.550	.....	4.485
79....	1.896	.309	.958	.823	a.533	4.519	105..	2.598	.....	.433	1.551	.183	4.765
80....	2.580	.....	2.053	1.489	.....	6.122	106..	1.812	.111	.777	1.120	.....	3.820
81....	1.569	.509	1.004	1.834	.....	4.916	107..	1.973	.....	.657	1.468	.....	4.098
82....	1.683	.521	1.569	2.054	.....	5.827	108..	2.952	.....	.....	1.513	.....	4.465
83....	1.356	.514	1.223	1.659	.....	4.751	109..	2.530	.....	1.125	1.330	.....	4.985
84....	1.881	.309	.949	.896	a.465	4.500	110..	2.096	.....	.791	1.039	.....	3.926
85....	2.870	.287	1.441	.046	a1.401	6.045	111..	2.379	.....	1.290	1.421	.....	5.090
86....	1.643	.257	.505	1.103	.....	3.508	112..	2.328	.....	1.005	1.118	.....	4.451
87....	1.546	.182	.627	1.183	.....	3.538	113..	2.252	.....	1.011	1.222	.....	4.485
88....	2.239	.093	1.587	1.242	.....	5.161	114..	2.192	.....	.929	1.463	.....	4.584
89....	1.675	.....	.323	1.032	.....	3.090							
90....	1.496	.194	.362	1.031	.....	3.083							

a Anthracite coal.

## SUMMARY OF TONS OF MATERIAL TO ONE TON OF PRODUCT.

[The ton considered is of 2,240 pounds.]

Items.	Northern district.	Southern district.
Establishments reporting the facts required for statements below.....	26	24
Tons of ore used in these establishments.....	860,736	1,484,310
Tons of cinder, scrap, etc., used in these establishments.....	119,225	9,713
Tons of limestone used in these establishments.....	342,361	433,644
Tons of coke used in these establishments.....	600,754	936,965
Tons of coal used in these establishments.....	74,935	511
Tons of all material used in these establishments.....	1,998,011	2,865,143
Tons of product in these establishments.....	544,377	647,728
Average tons of ore to 1 ton of product in these establishments.....	1.581	2.292
Average tons of cinder, scrap, etc., to 1 ton of product in these establishments.....	.219	.015
Average tons of limestone to 1 ton of product in these establishments.....	.629	.669
Average tons of coke to 1 ton of product in these establishments.....	1.103	1.446
Average tons of coal to 1 ton of product in these establishments.....	.138	.001
Average tons of all material to 1 ton of product in these establishments.....	3.670	4.423



By the above we see that the average quantity of ore used to one ton of product in the northern district is 1.581 tons, of cinder, scrap, etc., 0.219 tons, of limestone 0.629 tons, of coke 1.103 tons, of coal 0.138 tons, and of all materials 3.67 tons; in the southern district it is for the 24 establishments, of ore 2.292 tons, of cinder, scrap, etc., 0.015 tons, of limestone 0.669 tons, of coke 1.446 tons, of coal 0.001 tons, and of all material 4.423 tons. The north uses more cinder, scrap, etc., and more coal; as a fact only 1 of the southern establishments to 11 of the northern use coal, but the south uses more ore, more limestone, and more coke. There are several facts that need to be kept in mind in order to account in a reasonable way for the great differences in the quantities of materials used. For one, the richness of the ore used in metallic iron. This will largely affect not only the quantity of ore necessary for the production of a ton of iron, but by consequence the amount of fuel necessary to smelt it.

Again, the character of the ore used. Some ores are more difficult to smelt than others and require a larger quantity of fluxing materials (limestone). Finally, the composition of the auxiliary materials. There are quite wide differences in the richness and purity of the auxiliary materials—*i. e.*, limestone and coal or coke—in different localities which would affect the quantities necessary for the production of a ton of iron independently of any difference in the quantity and quality of the ore. The cost of these various materials is considered in the next table.

## RUN OF FURNACE PIG IRON IN THE UNITED STATES.

## COST OF MATERIALS PER TON.

[The ton considered is of 2,240 pounds.]

Northern district.						Southern district.					
Establishment number.	Ore.	Cinder, scrap, etc.	Limestone.	Coke.	Coal.	Establishment number.	Ore.	Cinder, scrap, etc.	Limestone.	Coke.	Coal.
65.....	\$3.645	\$1.300	\$0.896	.....	\$1.638	91.....	\$0.647	\$0.685	\$0.906	\$2.843	.....
66.....	4.464	.....	.662	\$2.782	2.406	92.....	.918	.....	.651	2.916	.....
67.....	4.992	2.601	1.000	3.015	.....	93.....	1.441	.....	.670	4.368	.....
68.....	4.900	3.250	.800	3.080	1.515	94.....	1.570	.....	.605	3.998	.....
69.....	4.272	3.250	.750	3.471	.....	95.....	1.327	1.000	.698	2.622	.....
70.....	3.459	.....	.790	3.020	1.736	96.....	1.194	1.098	.520	3.360	.....
71.....	4.500	.....	.900	3.640	.....	97.....	1.432	.....	.810	3.731	.....
72.....	5.535	2.318	.838	1.533	.....	98.....	1.827	.....	.900	3.920	.....
73.....	4.298	2.100	1.130	4.379	a 2.914	99.....	1.065	.....	.650	2.800	.....
74.....	4.000	.....	.900	4.700	a 3.576	100.....	.885	.....	.623	2.573	.....
75.....	5.243	2.750	.672	2.979	.....	101.....	.866	.750	.653	2.838	.....
76.....	4.615	2.594	.814	2.746	.....	102.....	1.567	.....	.395	2.380	.....
77.....	5.861	3.250	.750	3.472	1.960	103.....	1.840	1.072	.756	3.953	.....
78.....	3.942	1.751	.501	3.796	a 2.849	104.....	2.014	.....	.737	2.100	.....
79.....	3.267	2.000	.900	3.359	a 2.850	105.....	1.520	.....	.543	2.496	\$1.566
80.....	2.638	.....	.360	3.156	.....	106.....	2.063	1.203	.670	3.808	.....
81.....	4.044	2.692	1.210	1.322	.....	107.....	2.104	.....	.750	3.360	.....
82.....	2.782	3.029	.800	1.064	.....	108.....	1.686	.....	.....	2.564	.....
83.....	4.735	2.750	.789	1.197	.....	109.....	1.950	.....	.720	3.024	.....
84.....	3.137	2.213	.881	3.222	a 2.838	110.....	1.630	.....	.610	4.104	.....
85.....	1.709	2.000	.850	3.510	a 3.050	111.....	1.772	.....	.745	3.797	.....
86.....	3.876	3.101	.800	2.770	.....	112.....	2.016	.....	.760	2.699	.....
87.....	5.128	3.250	.896	3.080	.....	113.....	2.250	.....	.750	3.262	.....
88.....	2.586	1.742	.400	3.080	.....	114.....	1.867	.....	.830	3.074	.....
89.....	5.236	.....	.793	2.827	.....						
90.....	4.183	1.789	.930	4.827	.....						

a Anthracite coal.

## REPORT OF THE COMMISSIONER OF LABOR.

## RUN OF FURNACE PIG IRON IN THE UNITED STATES Concluded.

## SUMMARY OF COST OF MATERIALS PER TON.

[The ton considered is of 2,240 pounds.]

Items.	Northern district.	Southern district.
Establishments reporting the facts required for statements below.....	26	24
Cost of the ore used in these establishments.....	\$3,787,982	\$2,245,830
Cost of the cinder, scrap, etc., used in these establishments.....	313,679	10,011
Cost of the limestone used in these establishments.....	273,207	304,142
Cost of the coke used in these establishments.....	1,810,814	2,889,676
Cost of the coal used in these establishments.....	201,940	800
Average cost of one ton of this ore.....	4.401	1.513
Average cost of one ton of this cinder, scrap, etc.....	2.631	1.031
Average cost of one ton of this limestone.....	.798	.701
Average cost of one ton of this coke.....	3.014	3.084
Average cost of one ton of this coal.....	2.695	1.566

The preceding table shows that in the northern district the ore used cost per ton on an average \$4.401, the cinder, scrap, etc., \$2.631, the limestone 79.8 cents, the coke \$3.014, the coal \$2.695; and in the southern district the ore \$1.513, the cinder, scrap, etc., \$1.031, the limestone 70.1 cents, the coke \$3.084, and the coal \$1.565. The difference in favor of the south in the cost of ore and of coal is very great, a difference as far as the ore is concerned which we have seen is partially offset by its comparatively lower per cent. of iron. The cost of these materials per ton of product is now considered.

## RUN OF FURNACE PIG IRON IN THE UNITED STATES.

## COST OF MATERIALS PER TON OF PRODUCT.

[The ton considered is of 2,240 pounds. In the northern district establishments numbered 66, 70, 71, 74, 80, and 89 use ore only; all others a mixture of ore, cinder, scrap, etc. In the southern district those numbered 91, 95, 96, 101, 103, and 106 use a mixture of ore, cinder, scrap, etc., and all others use ore only. In the northern district establishment number 65 uses coal only, those numbered 66, 68, 70, 73, 74, 77, 78, 79, 84, and 85 use a mixture of coke and coal, and all others use coke only. In the southern district establishment number 105 uses a mixture of coke and coal, and all others use coke only.]

Northern district.					Southern district.				
Establishment number.	Ore and cinder, scrap, etc.	Limestone.	Coke and coal.	Total.	Establishment number.	Ore and cinder, scrap, etc.	Limestone.	Coke and coal.	Total.
65.....	\$6.661	\$0.667	\$3.797	\$11.125	91.....	\$1.568	\$0.408	\$5.197	\$7.173
66.....	7.525	.265	3.357	11.147	92.....	2.165	.477	4.560	7.202
67.....	7.674	.451	3.367	11.492	93.....	3.315	.528	5.491	9.334
68.....	8.243	.278	3.998	12.519	94.....	3.340	.365	4.600	8.305
69.....	7.417	.410	4.679	12.506	95.....	2.763	.646	4.701	8.110
70.....	6.648	.266	4.110	11.024	96.....	2.686	.397	4.471	7.554
71.....	7.510	.431	3.320	11.261	97.....	3.021	.315	5.068	8.404
72.....	8.570	.827	2.105	11.502	98.....	4.211	.752	5.784	10.747
73.....	7.937	.960	4.710	13.607	99.....	2.686	.293	4.237	7.216
74.....	7.435	.652	4.915	13.002	100.....	1.960	.324	4.243	6.527
75.....	7.637	.484	3.776	11.897	101.....	1.993	.391	5.033	7.417
76.....	6.752	.386	3.234	10.372	102.....	4.266	.229	4.382	8.877
77.....	8.941	.429	4.290	13.660	103.....	3.774	.560	4.991	9.325
78.....	5.824	.457	4.582	10.863	104.....	3.959	.714	3.256	7.929
79.....	6.813	.861	4.284	11.958	105.....	3.948	.235	4.157	8.340
80.....	6.808	.739	4.700	12.247	106.....	3.873	.520	4.263	8.656
81.....	7.715	1.214	2.425	11.354	107.....	4.151	.493	4.931	9.575
82.....	6.259	1.256	2.185	9.700	108.....	4.977	.....	3.878	8.855
83.....	7.833	.964	1.986	10.783	109.....	4.935	.810	4.021	9.766
84.....	6.584	.837	4.229	11.650	110.....	3.417	.483	4.264	8.164
85.....	5.478	1.225	4.436	11.139	111.....	4.215	.961	5.397	10.573
86.....	7.166	.404	3.054	10.624	112.....	4.694	.704	3.016	8.414
87.....	8.518	.561	3.644	12.723	113.....	5.066	.758	3.986	9.810
88.....	5.953	.635	3.824	10.412	114.....	4.093	.771	4.498	9.362
89.....	8.769	.256	3.087	12.112					
90.....	6.606	.336	4.975	11.917					

## RUN OF FURNACE PIG IRON IN THE UNITED STATES—Concluded.

## SUMMARY OF COST OF MATERIALS PER TON OF PRODUCT.

[The ton considered is of 2,240 pounds.]

Items.	Northern district.	Southern district.
Establishments reporting the facts required for statements below.....	26	24
Cost of the ore, cinder, scrap, etc., used in these establishments.....	\$4, 101, 661	\$2, 255, 841
Cost of the limestone used in these establishments .....	\$273, 207	\$304, 142
Cost of the coke and coal used in these establishments .....	\$2, 012, 754	\$2, 890, 476
Cost of all materials used in these establishments .....	\$6, 387, 622	\$5, 450, 459
Tons of product in these establishments.....	544, 377	647, 728
Average cost of ore, cinder, scrap, etc., per ton of product in these establishments.	\$7. 534	\$3.482
Average cost of limestone per ton of product in these establishments .....	. 502	. 470
Average cost of coke and coal per ton of product in these establishments.....	3. 698	4. 462
Average cost of all materials per ton of product in these establishments.....	11. 734	8. 414

In this table, showing the cost of materials per ton of product, the costs of ore, cinder, scrap, etc., are combined, as they alike furnish the material from which the metal is obtained, and for a kindred reason the costs of coke and coal are united. The average cost per ton of product in the northern district is, for ore, cinder, scrap, etc., \$7.534, for limestone 50.2 cents, for coke and coal \$3.698, and for all materials \$11.734; in the southern district, for ore, cinder, scrap, etc., \$3.482, for limestone 47 cents, for coke and coal \$4.462, and for all materials \$8.414. As might have been expected from the preceding tables we find the cost of materials per ton of product generally lower in the south than in the north, the only articles higher being coke and coal. An earlier table which gives the tons of material used to one ton of product (page 64) shows that the combination coke and coal means coke simply in the southern establishments, as only one of them uses coal, and that the quantity of coke necessary to one ton of product is 1.446 tons in the south to 1.103 tons in the north. The table preceding the one under consideration shows the average cost per ton of coke in the south to be \$3.084, and in the north \$3.014, a very trifling difference, so that the real reason for the larger cost of coke and coal per ton of product in the south seems to be the larger quantity of coke necessary. Let us examine now the cost of labor and other items of expense per ton of product in the two sections.



## REPORT OF THE COMMISSIONER OF LABOR.

## RUN OF FURNACE PIG IRON IN THE UNITED STATES.

COST OF LABOR, ETC., PER TON OF PRODUCT.

[The ton considered is of 2,240 pounds.]

Northern district.						Southern district.					
Estab- lishment number.	Labor.	Officials and clerks.	Sup- plies and repairs.	Taxes.	Total.	Estab- lishment number.	Labor.	Officials and clerks.	Sup- plies and repairs.	Taxes.	Total.
65.....	\$1.250	\$0.441	\$0.321	\$0.070	\$2.082	91.....	\$1.816	\$0.056	\$0.555	\$0.034	\$2.461
66.....	1.166	.207	.281	.019	1.673	92.....	2.608	.196	.175	.086	3.065
67.....	1.268	.132	.300	.044	1.744	93.....	1.582	.530	.273	.022	2.407
68.....	1.600	.110	.382	(a)	2.092	94.....	1.964	.173	.837	.031	3.005
69.....	1.613	.211	.500	.006	2.330	95.....	1.641	.456	1.489	.083	3.669
70.....	1.463	.237	.496	.075	2.276	96.....	1.835	.178	.283	.031	2.327
71.....	1.371	.088	.950	.018	2.427	97.....	1.873	.145	.413	.032	2.463
72.....	1.242	.165	.235	.027	1.669	98.....	1.807	.153	.090	.016	2.066
73.....	1.502	.257	.103	.030	1.892	99.....	1.912	.061	.232	.020	2.225
74.....	1.290	.470	.623	.067	2.450	100.....	1.737	.156	.703	.038	2.634
75.....	1.559	.086	.235	.026	1.906	101.....	2.088	.209	.879	.017	3.193
76.....	1.404	.159	.464	.025	2.052	102.....	1.218	.283	.405	.039	1.945
77.....	1.446	.246	.378	.046	2.116	103.....	1.359	.130	.308	.024	1.821
78.....	1.576	.352	.796	.633	2.757	104.....	1.409	.224	.216	.051	1.900
79.....	1.429	.222	.954	.031	2.636	105.....	1.324	.089	.144	.036	1.593
80.....	1.620	.170	.440	.045	2.275	106.....	1.251	.113	.118	.022	1.504
81.....	1.804	.469	.405	.047	2.725	107.....	1.370	.103	.986	.037	2.496
82.....	2.287	.385	.329	.084	3.085	108.....	.784	.049	.290	.047	1.170
83.....	1.990	.196	.498	.102	2.786	109.....	1.476	.155	.990	.016	2.637
84.....	1.447	.245	.610	.034	2.366	110.....	.595	.170	.593	.101	1.459
85.....	1.733	.361	.322	.117	2.533	111.....	1.484	.172	.614	.070	2.340
86.....	1.800	.093	.447	.033	2.373	112.....	1.389	.150	.501	.028	2.068
87.....	1.367	.087	.564	.009	2.027	113.....	1.008	.258	.499	.017	1.782
88.....	1.866	.197	.512	.020	2.595	114.....	1.311	.435	.675	.042	2.463
89.....	1.647	.107	.968	.024	2.746						
90.....	1.562	.053	.660	.099	2.374						

a Taxes not paid by lessee of furnace.

b Not including taxes.

## SUMMARY OF COST OF LABOR, ETC., PER TON OF PRODUCT.

[The ton considered is of 2,240 pounds.]

Items.	Northern district.	Southern district.
Establishments reporting the facts required for the statements below.....	26	24
Cost of labor in these establishments.....	\$802,283	\$987,111
Cost of officials and clerks in these establishments.....	\$100,607	\$105,962
Cost of supplies and repairs in these establishments.....	\$277,413	\$397,550
Cost of taxes in these establishments.....	\$19,615	\$25,372
Total cost of all the above elements in these establishments.....	\$1,199,918	\$1,515,995
Tons of product in these establishments.....	544,377	647,728
Average cost of labor per ton of product in these establishments.....	\$1.474	\$1.524
Average cost of officials and clerks per ton of product in these establishments.....	.184	.164
Average cost of supplies and repairs per ton of product in these establishments.....	.510	.614
Average cost of taxes per ton of product in these establishments.....	.036	.039
Average cost of all the above elements per ton of product in these establish- ments.	2.204	2.341

By the above table the average cost per ton of product in the north-  
ern district is seen to be, for the labor of converting the materials into  
iron, \$1.474; for the salaries of officials and clerks, 18.4 cents; for sup-  
plies and repairs, 51 cents; and for taxes, 3.6 cents. In the southern  
district, for the labor of conversion, \$1.524; for salaries of officials and  
clerks, 16.4 cents; for supplies and repairs, 61.4 cents; and for taxes, 3.9  
cents. The differences here are all very slight. Labor in the south is  
hired at cheaper rates, as will be seen by reference to Part II, where  
rates of wages are shown, but manifestly the larger quantity of material



handled in the south to obtain a ton of product, and the smaller efficiency, as is indicated by the tables devoted to the subject of efficiency of labor in Part II, more than offset these cheaper rates.

## RUN OF FURNACE PIG IRON IN THE UNITED STATES.

## COST OF ALL ELEMENTS PER TON OF PRODUCT.

[The ton considered is of 2,240 pounds.]

Northern district.				Southern district.			
Establishment number.	Materials.	Other.	Total.	Establishment number.	Materials.	Other.	Total.
65.....	\$11.125	\$2.082	\$13.207	91.....	\$7.173	\$2.461	\$9.634
66.....	11.147	1.673	12.820	92.....	7.202	3.065	10.267
67.....	11.492	1.744	13.236	93.....	9.334	2.407	11.741
68.....	12.519	<i>a</i> 2.092	<i>a</i> 14.611	94.....	8.305	3.005	11.310
69.....	12.506	2.330	14.836	95.....	8.110	3.669	11.779
70.....	11.024	2.276	13.300	96.....	7.554	2.327	9.881
71.....	11.261	2.427	13.688	97.....	8.404	2.463	10.867
72.....	11.502	1.669	13.171	98.....	10.747	2.066	12.813
73.....	13.607	1.892	15.499	99.....	7.216	2.225	9.441
74.....	13.002	2.450	15.452	100.....	6.527	2.634	9.161
75.....	11.897	1.906	13.803	101.....	7.417	3.193	10.610
76.....	10.372	2.052	12.424	102.....	8.877	1.945	10.822
77.....	13.660	2.116	15.776	103.....	9.325	1.821	11.146
78.....	10.868	2.757	13.620	104.....	7.929	1.900	9.829
79.....	11.958	2.636	14.594	105.....	8.340	1.593	9.933
80.....	12.247	2.275	14.522	106.....	8.656	1.504	10.160
81.....	11.354	2.725	14.079	107.....	9.575	2.496	12.071
82.....	9.700	3.085	12.785	108.....	8.855	1.170	10.025
83.....	10.783	2.786	13.569	109.....	9.766	2.637	12.403
84.....	11.650	2.366	14.016	110.....	8.164	1.459	9.623
85.....	11.139	2.533	13.672	111.....	10.573	2.340	12.913
86.....	10.624	2.373	12.997	112.....	8.414	2.068	10.482
87.....	12.723	2.027	14.750	113.....	9.810	1.782	11.592
88.....	10.412	2.595	13.007	114.....	9.362	2.463	11.825
89.....	12.112	2.746	14.858				
90.....	11.017	2.374	14.291				

*a* Not including taxes.

## SUMMARY OF COST OF ALL ELEMENTS PER TON OF PRODUCT.

[The ton considered is of 2,240 pounds.]

Items.	Northern district.	Southern district.
Establishments reporting the facts required for the statements below.....	26	24
Cost of all materials used in these establishments .....	\$6,387,622	\$5,450,459
Cost of labor, etc., in these establishments.....	\$1,199,918	\$1,515,995
Cost of all elements in these establishments.....	\$7,587,540	\$6,966,454
Tons of product in these establishments.....	544,377	647,728
Average cost of all materials per ton of product in these establishments.....	\$11.734	\$8.414
Average cost of labor, etc., per ton of product in these establishments.....	2.204	2.341
Average cost of all elements per ton of product in these establishments.....	13.938	10.755

The above table simply combines the elements of the preceding one from labor to taxes under the term "Other", and reproduces the total cost of materials from an earlier table in order to reach a summation of the whole. It is here seen that in the north the average cost per ton of product for materials is \$11.734, for all other items \$2.204, total \$13.938; and in the south, for materials \$8.414, for all other items \$2.341, total \$10.755.

## SUMMARIES OF COST OF PIG IRON OF VARIOUS GRADES.

While the general Table I at the beginning of this part exhibits in detail the cost of various kinds of pig iron and other materials for each establishment, it is necessary to cluster the results relating to cost for each great district, in order that the average for each particular district may be ascertained. For this purpose, the returns for run of furnace, gray forge, and Bessemer pig iron have been summarized in nine short tables which follow, each accompanied with notes sufficient to explain the points brought out. From them it will be seen that the average cost of run of furnace pig iron in twenty-six establishments in the northern district of the United States is \$13.938 per ton, and that the average for twenty-four establishments in the southern district of the United States is \$10.755 per ton, and for the single establishment representing the continent of Europe, a fairly typical one, \$11.028. The Department was not fortunate enough to secure facts from Great Britain which would allow this particular feature of comparison to be brought out. The average cost of gray forge pig iron in eight establishments in the northern district of the United States is shown to be \$13.50, while for Great Britain the average in three establishments is \$8.031 per ton, and on the continent of Europe, in two establishments, \$9.065. Bessemer pig iron, as shown by twenty-four establishments in the northern district of the United States, costs on an average \$15.366; for four establishments in Great Britain, \$10.326, and for three on the continent of Europe, \$11.739 per ton.

Each of these nine tables is supplemented with a statement of the average cost per ton for insurance, interest, and depreciation of value of plant, which are here designated as theoretical elements of cost. These items have been given for only a very few establishments, as explained in the introduction, because producers do not, as a rule, consider them elements of cost; but such as have been reported in answer to inquiries on these points have been tabulated. It will be seen that for run of furnace pig iron in some of the establishments of the northern district of the United States these theoretical elements would add 16.6 cents to the average cost of one ton, while for the same kind of product in southern establishments the addition would be 16.8 cents. For the continent of Europe these elements would add 58.9 cents in the cases given. For gray forge pig iron in the establishments in the northern district giving the facts, the theoretical elements would add 19.7 cents to the average cost of one ton, for Great Britain 20 cents, and for the continent of Europe 6 cents. To the average cost of a ton of Bessemer pig iron in the northern district of the United States, for the establishments giving such information, the theoretical elements of cost would add 22.2 cents, and in Great Britain 8.4 cents. The tables referred to now follow:

## SUMMARY OF COST OF RUN OF FURNACE PIG IRON IN TWENTY-SIX ESTABLISHMENTS IN THE NORTHERN DISTRICT OF THE UNITED STATES.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishments covered are numbers 65 to 90, inclusive, being all the run of furnace establishments in the northern district of the United States from which reports were obtained. As may be seen, the periods covered are irregular and are in the years 1888, 1889, and 1890.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 544,377.	Average cost of one.
Ore .....	\$3,787,982	\$6.958
Cinder, scrap, etc. ....	313,679	.576
Limestone .....	273,207	.502
Coke .....	1,810,814	3.327
Coal .....	201,940	.371
Total materials .....	6,387,622	11.734
Labor .....	802,283	1.474
Officials and clerks .....	100,607	.184
Supplies and repairs .....	277,413	.510
Taxes .....	19,615	.036
Total .....	7,587,540	13.938

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Nineteen establishments gave the amount paid for insurance; the aggregate of those makes the sum credited to this item below. Seven reported that they had no insurance. Ten establishments gave the amount paid for interest; the aggregate of these makes the sum below. Thirteen reported that there was no expenditure for interest, and for three no statement was obtained. One establishment only gave the amount charged to depreciation, which makes the sum below. Twenty-five reported that nothing was charged to this item. The amounts entered in the first column below are, of course, apportioned in the second column among the whole twenty-six establishments.]

Insurance .....	\$4,176	\$0.008
Interest .....	66,395	.122
Depreciation of value of plant .....	20,000	.036
Total .....	90,571	.160

## SUMMARY OF COST OF RUN OF FURNACE PIG IRON IN TWENTY-FOUR ESTABLISHMENTS IN THE SOUTHERN DISTRICT OF THE UNITED STATES.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishments covered are numbers 91 to 114, inclusive, being all the run of furnace establishments in the southern district of the United States from which reports were obtained. As may be seen, the periods covered are irregular and are in the years 1888, 1889, and 1890.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 647,728.	Average cost of one.
Ore .....	\$2,245,830	\$3.467
Cinder, scrap, etc. ....	10,011	.015
Limestone .....	304,142	.470
Coke .....	2,889,676	4.461
Coal .....	800	.001
Total materials .....	5,450,459	8.414
Labor .....	987,111	1.524
Officials and clerks .....	105,962	.164
Supplies and repairs .....	397,550	.614
Taxes .....	25,372	.039
Total .....	6,966,454	10.755

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Nine establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. Fifteen reported that they had no insurance. Ten establishments gave the amount paid for interest; the aggregate of these makes the sum below. Twelve reported that there was no expenditure for interest, and for two no statement was obtained. Four establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Nineteen reported that nothing was charged to this item, and for one no statement was obtained. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole twenty-four establishments.]

Insurance .....	\$3,828	\$0.006
Interest .....	61,968	.096
Depreciation of value of plant .....	42,902	.066
Total .....	108,698	.168



## REPORT OF THE COMMISSIONER OF LABOR.

## SUMMARY OF COST OF RUN OF FURNACE PIG IRON IN ONE ESTABLISHMENT ON THE CONTINENT OF EUROPE.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishment considered is number 115, being the only one making run of furnace pig iron on the continent of Europe from which a report was obtained. As may be seen, the period covered is the calendar year of 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 33,685.	Average cost of one.
Ore .....	\$154,773	\$4.595
Cinder, scrap, etc. ....	67,942	2.017
Limestone .....	13,006	.386
Coke .....	97,028	2.880
Coal .....	238	.007
Total materials .....	332,987	9.885
Labor .....	47,620	1.414
Officials and clerks .....	8,225	.244
Supplies and repairs .....	16,428	.488
Taxes .....	1,321	.039
Total .....	a 406,581	b 12.070

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[The establishment covered by this summary reported that it had no insurance, and that there was no expenditure for interest. It gave the amount charged to depreciation, which makes the sum credited to that item below.]

Insurance .....		
Interest .....		
Depreciation of value of plant .....	\$19,846	\$0.589
Total .....	19,846	.589

a From this amount should be deducted \$35,039, the value of lead, zinc, and other incidental products of manufacture.

b From this amount should be deducted \$1.042, the value of lead, zinc, and other incidental products per ton of iron produced, leaving the total net cost \$11.028.

## SUMMARY OF COST OF GRAY FORGE PIG IRON IN EIGHT ESTABLISHMENTS IN THE NORTHERN DISTRICT OF THE UNITED STATES.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishments covered are numbers 52 to 59, inclusive, being all the gray forge establishments in the United States from which reports were obtained. As may be seen, the periods covered are irregular and are in the years 1883 and 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 195,631.	Average cost of one.
Ore .....	\$1,248,808	\$6.384
Cinder, scrap, etc. ....	226,402	1.157
Limestone .....	106,883	.546
Coke .....	575,759	2.943
Coal .....	80,419	.411
Total materials .....	2,238,271	11.441
Labor .....	257,677	1.317
Officials and clerks .....	29,255	.150
Supplies and repairs .....	110,558	.565
Taxes .....	5,254	.027
Total .....	2,641,015	13.500

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Six establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. One reported that it had no insurance, and for one the agent of the Department failed to obtain a statement. Five establishments gave the amount paid for interest; the aggregate of these makes the sum below. Three reported that there was no expenditure for interest. Four establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Four reported that nothing was charged to this item. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole eight establishments.]

Insurance .....	\$2,203	\$0.011
Interest .....	26,647	.136
Depreciation of value of plant .....	9,690	.050
Total .....	38,545	.197



## SUMMARY OF COST OF GRAY FORGE PIG IRON IN THREE ESTABLISHMENTS IN GREAT BRITAIN.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishments covered are numbers 61 to 63, inclusive, being all the gray forge establishments in Great Britain from which reports were obtained. As may be seen, the periods covered are irregular and are in the years 1888 and 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 34,696.	Average cost of one.
Ore .....	\$127, 733	\$3. 681
Cinder, scrap, etc. ....	1, 478	.043
Limestone .....	12, 539	.361
Coke .....	99, 997	2.882
Coal .....	908	.026
Total materials .....	242, 655	6.993
Labor .....	24, 178	.697
Officials and clerks .....	1, 695	.049
Supplies and repairs .....	9, 132	.263
Taxes .....	994	.029
Total .....	278, 654	8.031

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Two establishments gave the amounts paid for insurance and interest; the aggregate of these makes the sums credited to these items below. One reported that there were no expenditures for insurance and interest. All three establishments reported that nothing was charged to depreciation. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole three establishments.]

Insurance .....	\$42	\$0.001
Interest .....	6, 901	.199
Depreciation of value of plant .....		
Total .....	6, 943	.200

## SUMMARY OF COST OF GRAY FORGE PIG IRON IN TWO ESTABLISHMENTS ON THE CONTINENT OF EUROPE.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishments covered are numbers 60 and 64, being all the gray forge establishments on the continent of Europe from which reports were obtained. As may be seen, the periods covered are irregular and are in the year 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 69,097.	Average cost of one.
Ore .....	\$226, 524	\$3. 278
Cinder, scrap, etc. ....	57, 012	.825
Limestone .....	4, 525	.066
Coke .....	283, 385	4.101
Coal .....	3, 069	.044
Total materials .....	574, 515	8.314
Labor .....	29, 632	.429
Officials and clerks .....	4, 765	.069
Supplies and repairs .....	15, 809	.229
Taxes .....	1, 637	.024
Total .....	626, 353	9.005

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Two establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. One establishment gave the amount paid for interest, which makes the sum below. One reported that there was no expenditure for interest. One establishment gave the amount charged to depreciation, which makes the sum below. One reported that nothing was charged to this item. The amounts entered in the first column below are, of course, apportioned in the second column among the two establishments.]

Insurance .....	\$109	\$0.001
Interest .....	4, 002	.058
Depreciation of value of plant .....	57	.001
Total .....	4, 168	.060

SUMMARY OF COST OF BESSEMER PIG IRON IN TWENTY-FOUR ESTABLISHMENTS  
IN THE NORTHERN DISTRICT OF THE UNITED STATES.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishments covered are numbers 9 to 32, inclusive, being all the Bessemer establishments in the United States from which reports were obtained. As may be seen, the periods covered are usually twelve months of 1888 or 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 797,772.	Average cost of one.
Ore.....	\$7,346,496	\$9.209
Cinder, scrap, etc.....	83,002	.104
Limestone.....	345,769	.423
Coke.....	2,630,997	3.298
Coal.....	164,447	.206
Total materials.....	10,570,711	13.250
Labor.....	1,105,632	1.386
Officials and clerks.....	126,015	.153
Supplies and repairs.....	425,056	.523
Taxes.....	31,158	.039
Total.....	12,258,562	15.366

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Thirteen establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. Ten reported that they had no insurance, and for one the agent of the Department failed to obtain a statement. Five establishments gave the amount paid for interest; the aggregate of these makes the sum below. Fifteen reported that there was no expenditure for interest, and for four no statement was obtained. Five establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Sixteen reported that nothing was charged to this item, and for three no statement was obtained. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole twenty-four establishments.]

Insurance.....	\$6,943	\$0.009
Interest.....	81,885	.103
Depreciation of value of plant.....	88,113	.110
Total.....	176,951	.222

SUMMARY OF COST OF BESSEMER PIG IRON IN FOUR ESTABLISHMENTS IN GREAT  
BRITAIN.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishments covered are numbers 36 to 39, inclusive, being all the Bessemer establishments in Great Britain from which reports were obtained. As may be seen, the periods covered are irregular and are in the years 1888 and 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 174,144.	Average cost of one.
Ore.....	\$1,066,382	\$6.123
Cinder, scrap, etc.....	33,819	.194
Limestone.....	36,740	.211
Coke.....	459,081	2.636
Coal.....	1,914	.011
Total materials.....	1,597,836	9.175
Labor.....	116,429	.669
Officials and clerks.....	9,762	.056
Supplies and repairs.....	70,771	.406
Taxes.....	3,405	.020
Total.....	1,798,203	10.326

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE FOREGOING.

[One establishment only gave the amount paid for insurance, which makes the sum credited to this item below. Three reported that they had no insurance. One establishment only gave the amount paid for interest, which makes the sum below. Three reported that there was no expenditure for interest. All four establishments reported that nothing was charged to depreciation. The amounts entered in the first column below are, of course, apportioned in the second column among the whole four establishments.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 174,144.	Average cost of one.
Insurance.....	\$89	\$0.000
Interest.....	14,547	.084
Depreciation of value of plant.....		
Total.....	14,636	.084

## SUMMARY OF COST OF BESSEMER PIG IRON IN THREE ESTABLISHMENTS ON THE CONTINENT OF EUROPE.

[The detailed exhibit from which this summary is drawn may be found on page 35, *et seq.* The establishments covered are numbers 33 to 35, inclusive, being all the Bessemer establishments on the continent of Europe from which reports were obtained. As may be seen, the periods covered are irregular, and are in the years 1887, 1888, and 1889. The facts relating to the theoretical elements of insurance, interest, and depreciation were not reported.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 194,412.	Average cost of one.
Ore; cinder, scrap, etc. (a).....	\$1,449,439	\$7.456
Limestone.....	46,502	.239
Coke.....	591,997	3.045
Coal.....		
Total materials.....	2,087,938	10.740
Labor; officials and clerks; supplies and repairs; taxes (a).....	194,299	.999
Total.....	2,282,237	11.739

*a* These costs are inseparably combined.

## DIRECT LABOR, ETC., FROM THE MATERIALS IN THE EARTH TO THE FINISHED PRODUCT.

The question of the entire cost for labor in a ton of iron beginning with the raw materials as they lie in the earth is one which has recently been much considered. This, of course, is something quite different from what is commonly meant by the labor cost of a ton, which refers simply to the labor of the blast furnace in converting into iron, limestone, ore, and coke or coal, each of which may be considered as already a manufactured product having a labor cost of its own. To what extent it may be useful to trace the cost of a product back through the successive manufactured products made use of until finally the original elements in the earth, in the air, or in the waters of the earth are laid hold of is somewhat doubtful. If an ultimate analysis of such cost were possible the result, of course, would show the whole chargeable to labor, and the painful toil of the analysis might have been foregone by accepting this positive conclusion at the beginning. Yet if we limit the attempt and confine ourselves simply to discovering what was paid directly for labor at each successive stage, and what for certain other



important items which in an ultimate analysis would be resolvable into labor, the result may throw some light on the comparative cost of production in different localities, or determine for us whether there is any general sum that can ordinarily be safely set down as chargeable to labor or to the other items considered, as has been often held and practiced in preparing tabular *estimates* on cost of production. In the thirteen short tables which are now to be given this is what has been done. In order to see exactly among what separate heads, in addition to direct labor, it was necessary to divide the costs, let us examine the first of these; and we should take note at the outset that in the general tables on cost of production, I to XI, the data have been classified under cost of labor, of salaries of officials and clerks, of supplies and repairs, and of taxes.

Looking at the first of these tables relating to cost of direct labor, etc., we see that the entire cost of the ton is \$13.971, and that the cost of converting the materials into this ton of iron, in other words, the blast furnace cost, was for labor \$1.595; for salaries of officials and clerks, 17.5 cents; and for supplies, repairs, and taxes, 53 cents; leaving all in the lines above, equalling \$11.671, as the cost of the materials assembled at the furnace. In the books of the establishment each of these is charged in against the cost of the finished product at what it is held to have cost on the spot. The ore, for instance, is charged at a rate per ton that would make 5,810 pounds cost \$6.658; in other words, at \$2.567 per ton, and so of the other materials. Now, when this 5,810 pounds of ore is followed to the mine where it was dug and the costs ascertained for the points above mentioned, we find that there was expended for labor \$4.452; for salaries of officials and clerks, nothing; for supplies, repairs, and taxes, 52.9 cents, making \$4.981 as the cost of the ore at the mine. The cost of transportation to the blast furnace is now ascertained to be 95 cents, which, added to the preceding, makes the ore at the furnace cost \$5.931; but we have already noted that this ore at the furnace is rated as costing \$6.658, which we now see to be an excess over its actual cost of 72.7 cents. If the ore at the furnace is charged scrupulously at the exact figure of cost, which presumably is not always the case, as it might sometimes be difficult of ready determination, then this excess must be considered as wholly the profit of the mining establishment. If on the other hand the blast furnace simply calculates in the easiest way the approximate cost of ore and charges it in at that figure, making sure that the sum is high enough, as is quite likely the usual way, then this excess is partly only the profit of the miner, the remainder going to enlarge the profit of the blast furnace.

We now see that in addition to the items of cost provided for in tables I to XI there are also necessary in the presentation under view a column for cost of transportation of materials to point where used and one for difference between actual costs of materials and costs as charged against



the pig iron produced on the books of the blast furnace. What has here been said of the ore is, of course, equally applicable to the coal, the coke, and the limestone.

The utmost effort to get at the truth in these statements has been made, but the inherent difficulties, greatly in the way of diverse methods of bookkeeping, are such that the results are not wholly satisfactory. Yet in their principal features there is no doubt of their substantial accuracy. The column of difference between actual cost and blast furnace cost is the most unsatisfactory. In the column of cost of officials and clerks quite frequently nothing is entered. There are several reasons why this may occur. Often the work is administered by a foreman or boss whose wages are charged with other labor, and often the mines and coke ovens are managed by the blast furnace and the whole charge for supervision is made against the latter. Frequently the coke works own or control the coal mines by which they are supplied, and the trifling charge for administration is not divided in the accounts. Some of these establishments are included in the general tables, pages 31 to 61, but others are not. The tables referred to are now presented.

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Northern district of the United States. One ton of 2,240 pounds of run of furnace pig iron. The quantities and costs of ore, coal, coke, and limestone are the actual quantities and costs of the particular materials used.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies, repairs, and taxes.	Transport to point where used.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 5,810 pounds of iron ore .....	\$4.452	.....	\$0.529	\$0.950	\$0.727	\$6.658
Production of 4,528 pounds of limestone .....	.526	.....	.121	.040	.061	.748
Production of 6,797 pounds of bituminous coal.	2.258	.....	.349	.707	.253	3.567
Conversion of above coal into 3,990 pounds of coke.	.615	.....	.023	.....	.060	.698
Conversion of above materials into 2,240 pounds of pig iron.	1.595	\$0.175	.530	.....	.....	2.300
Total cost of one ton of pig iron .....	9.446	.175	1.552	1.697	1.101	13.971

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke .....	\$11.671
Cost of direct labor in producing the above materials .....	\$7.851
Per cent. of cost of direct labor in producing the above materials .....	67
Total cost of process of conversion .....	\$2.300
Cost of direct labor in process of conversion .....	\$1.595
Per cent. of cost of direct labor in process of conversion .....	69
Total cost of one ton of pig iron .....	\$13.971
Cost of direct labor in one ton of pig iron .....	\$9.446
Per cent. of cost of direct labor in one ton of pig iron .....	68

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Northern district of the United States. One ton of 2,240 pounds of Bessemer pig iron. The quantities of all the materials and the costs of ore, coal, and coke are the actual quantities and costs of the particular materials used. A detailed analysis of the cost of the limestone used could not be obtained, but that given is of a limestone produced in the same locality and having a total cost approximately the same.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 3,686 pounds of iron ore.	\$1.903	\$0.059	\$0.681	\$0.083	\$3.045	\$3.641	\$9.412
Production of 786 pounds of limestone.	.112	.001	.002	.....	.228	.003	.346
Production of 2,946 pounds of bituminous coal.	.520	.....	.088	.....	.....	.....	.608
Conversion of above coal into 2,209 pounds of coke.	.437	.023	.183	.017	2.043	.278	2.981
Production of 31 pounds of cinder, scrap, etc. (See below).	.....	.....	.....	.....	.....	.....	.....
Conversion of above materials into 2,240 pounds of pig iron.	1.440	.137	.250	.055	.....	.....	1.882
Total .....	4.412	.220	1.204	.155	5.316	3.922	15.229
Cost of above 31 pounds of cinder, scrap, etc., only the total of which can be given .....	.....	.....	.....	.....	.....	.....	.052
Total cost of one ton of pig iron .....	.....	.....	.....	.....	.....	.....	15.281
SUMMARY OF THE ABOVE.							
Total cost of ore, limestone, coal, and coke .....	.....	.....	.....	.....	.....	.....	\$13.347
Cost of direct labor in producing the above materials .....	.....	.....	.....	.....	.....	.....	\$2.972
Per cent. of cost of direct labor in producing the above materials .....	.....	.....	.....	.....	.....	.....	22
Total cost of process of conversion .....	.....	.....	.....	.....	.....	.....	\$1.882
Cost of direct labor in process of conversion .....	.....	.....	.....	.....	.....	.....	\$1.440
Per cent. of cost of direct labor in process of conversion .....	.....	.....	.....	.....	.....	.....	77
Total cost of one ton of pig iron .....	.....	.....	.....	.....	.....	.....	\$15.281
Cost of direct labor in one ton of pig iron .....	.....	.....	.....	.....	.....	.....	\$4.412
Per cent. of cost of direct labor in one ton of pig iron .....	.....	.....	.....	.....	.....	.....	29

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Northern district of the United States. One ton of 2,240 pounds of Bessemer pig iron. The quantities of all the materials and the costs of coke and of the coal used in said coke are the actual quantities and costs of the particular materials used. Nineteen kinds of ore were used, but the costs of eleven only were obtained. The costs of the ore shown below were computed from the known costs of the eleven. Detailed analyses of the costs of the limestone used and of the coal used as such could not be obtained. The analysis of cost of limestone given is from an establishment having a total cost approximating the total cost of the limestone actually used.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies, repairs, and taxes.	Transport to point where used.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 3,640 pounds of iron ore .....	\$2.537	\$0.121	\$0.804	\$2.831	\$2.981	\$9.271
Production of 1,050 pounds of limestone .....	.150	.001	.002	.183	.032	.373
Production of 4,468 pounds of bituminous coal.	.954	.038	.290	.....	.121	1.403
Conversion of above coal into 3,108 pounds of coke.	.558	.030	.071	1.973	.....	2.632
Production of 45 pounds of coal used as such. (See below.)	.....	.....	.....	.....	.....	.....
Conversion of above materials into 2,240 pounds of pig iron.	1.534	.320	.941	.....	.....	2.795
Total .....	5.733	.510	2.108	4.992	3.134	16.477
Cost of above 45 pounds of bituminous coal, only the total of which can be given .....	.....	.....	.....	.....	.....	.026
Total cost of one ton of pig iron .....	.....	.....	.....	.....	.....	16.503
SUMMARY OF THE ABOVE.						
Total cost of ore, limestone, coke, and coal used in said coke .....	.....	.....	.....	.....	.....	\$13.682
Cost of direct labor in producing the above materials .....	.....	.....	.....	.....	.....	\$4.199
Per cent. of cost of direct labor in producing the above materials .....	.....	.....	.....	.....	.....	31
Total cost of process of conversion .....	.....	.....	.....	.....	.....	\$2.795
Cost of direct labor in process of conversion .....	.....	.....	.....	.....	.....	\$1.534
Per cent. of cost of direct labor in process of conversion .....	.....	.....	.....	.....	.....	55
Total cost of one ton of pig iron .....	.....	.....	.....	.....	.....	\$16.503
Cost of direct labor in one ton of pig iron .....	.....	.....	.....	.....	.....	\$5.733
Per cent. of cost of direct labor in one ton of pig iron .....	.....	.....	.....	.....	.....	35

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Northern district of the United States. One ton of 2,240 pounds of Bessemer pig iron. The quantities of all the materials are the actual quantities of the particular materials used. Of the ore actually used the cost of a part only was obtained, and from that cost the costs given below were calculated. Detailed analyses of the costs of the limestone, coal, and coke used could not be obtained, but those given are from establishments having total costs approximately the same.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Timber	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 3,686 pounds of iron ore.	\$3.122	\$0.140	\$0.757	\$0.115	\$4.525	-----	\$1.678	\$10.337
Production of 963 pounds of limestone.	.124	.006	.008	-----	.215	-----	.077	.430
Production of 2,824 pounds of bituminous coal.	.866	.021	.007	-----	-----	\$0.017	-----	.911
Conversion of above coal into 1,939 pounds of coke.	.302	.009	.052	-----	.582	-----	.035	.980
Conversion of above materials into 2,240 pounds pig iron.	1.155	.151	.513	.041	-----	-----	-----	1.860
Total cost of one ton of pig iron.	5.569	.327	1.337	.156	5.322	.017	1.790	14.518

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke	\$12.658
Cost of direct labor in producing the above materials	\$4.414
Per cent. of cost of direct labor in producing the above materials	35
Total cost of process of conversion	\$1.860
Cost of direct labor in process of conversion	\$1.155
Per cent. of cost of direct labor in process of conversion	62
Total cost of one ton of pig iron	\$14.518
Cost of direct labor in one ton of pig iron	\$5.569
Per cent. of cost of direct labor in one ton of pig iron	39

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Northern district of the United States. One ton of 2,240 pounds of Bessemer pig iron. The quantities of all the materials and the costs of coke and of the coal used in said coke are the actual quantities and costs of the particular materials used. Twelve kinds of ore were used, but the costs of seven only were obtained. The costs of the ore shown below were computed from the known costs of the seven. Detailed analyses of the costs of the limestone used and of the coal used as such could not be obtained. The given analyses of costs of the limestone and of the coal used as such are from establishments having total costs approximately the same.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 3,695 pounds of iron ore.	\$2.357	\$0.095	\$0.697	\$0.082	a\$1.732	b\$4.814	\$9.777
Production of 948 pounds of limestone.	.135	.001	.002	-----	.254	.039	.431
Production of 2,816 pounds of bituminous coal.	.008	-----	.195	-----	-----	-----	.803
Conversion of above coal into 2,236 pounds of coke.	.414	.031	.015	.003	1.509	.209	2.181
Production of 317 pounds of bituminous coal used as such.	.095	.012	.005	-----	.048	.001	.161
Production of 29 pounds of cinder, scrap, etc. (See below.)	-----	-----	-----	-----	-----	-----	-----
Conversion of above materials into 2,240 pounds of pig iron.	1.665	.259	.416	.059	-----	-----	2.399
Total	5.274	.398	1.330	.144	3.543	5.063	15.752
Cost of the above 29 pounds of cinder, scrap, etc., only the total of which can be given	-----	-----	-----	-----	-----	-----	.071
Total cost of one ton of pig iron	-----	-----	-----	-----	-----	-----	15.823

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke	\$13.353
Cost of direct labor in producing the above materials	\$3.609
Per cent. of cost of direct labor in producing the above materials	27
Total cost of process of conversion	\$2.399
Cost of direct labor in process of conversion	\$1.665
Per cent. of cost of direct labor in process of conversion	69
Total cost of one ton of pig iron	\$15.823
Cost of direct labor in one ton of pig iron	\$5.274
Per cent. of cost of direct labor in one ton of pig iron	33

\* Railway charges only.    b Includes considerable for water transportation which was not separable.



## REPORT OF THE COMMISSIONER OF LABOR.

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Northern district of the United States. One ton of 2,240 pounds of foundry pig iron. The quantities of all the materials and the costs of ore, limestone, and coke are the actual quantities and costs of the particular materials used. A detailed analysis of the cost of the coal used could not be obtained, but that given is of a coal produced in the same locality and having a total cost approximately the same. The separation of the costs other than for direct labor and transportation was impossible.]

Materials and successive stages of conversion.	Direct labor.	Transport to point where used.	All other costs.	Total.
Production of 4,234 pounds of iron ore .....	\$1. 378	\$2. 270	\$1. 797	\$5. 445
Production of 1,006 pounds of limestone.....	.090	.068	.112	.270
Production of 3,614 pounds of bituminous coal .....	.726		.170	.896
Conversion of above coal into 2,468 pounds of coke .....	.348	3. 702	1. 224	5. 274
Conversion of above materials into 2,240 pounds of pig iron.....	1. 159		.641	1. 800
Total cost of one ton of pig iron .....	3. 701	6. 040	3. 944	13. 685
SUMMARY OF THE ABOVE.				
Total cost of ore, limestone, coal, and coke.....				\$11. 885
Cost of direct labor in producing the above materials.....				\$2. 542
Per cent. of cost of direct labor in producing the above materials.....				21
Total cost of process of conversion.....				\$1. 800
Cost of direct labor in process of conversion.....				\$1. 159
Per cent. of cost of direct labor in process of conversion.....				61
Total cost of one ton of pig iron.....				\$13. 685
Cost of direct labor in one ton of pig iron.....				\$3. 701
Per cent. of cost of direct labor in one ton of pig iron.....				27

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Northern district of the United States. One ton of 2,240 pounds of hot blast charcoal pig iron. The quantities and costs of ore, limestone, wood, and charcoal are the actual quantities and costs of the particular materials used. The separation of the costs other than for direct labor and transportation was impossible.]

Materials and successive stages of conversion.	Direct labor.	Transport to point where used.	All other costs.	Total.
Production of 4,108 pounds of iron ore .....	\$2. 010	\$2. 711	\$2. 323	\$7. 044
Production of 153 pounds of limestone (a).....	.003	.014		.017
Production of 2.38 cords of wood .....	1. 786	1. 786	.238	3. 810
Conversion of above wood into 100 bushels of charcoal .....	1. 500	1. 800	.210	3. 510
Conversion of above materials into 2,240 pounds of pig iron.....	1. 438		.388	1. 826
Total cost of one ton of pig iron.....	6. 737	6. 311	3. 159	16. 207
SUMMARY OF THE ABOVE.				
Total cost of ore, limestone, wood, and charcoal.....				\$14. 381
Cost of direct labor in producing the above materials.....				\$5. 299
Per cent. of cost of direct labor in producing the above materials.....				37
Total cost of process of conversion.....				\$1. 826
Cost of direct labor in process of conversion.....				\$1. 438
Per cent. of cost of direct labor in process of conversion.....				79
Total cost of one ton of pig iron.....				\$16. 207
Cost of direct labor in one ton of pig iron.....				\$6. 737
Per cent. of cost of direct labor in one ton of pig iron.....				42

<sup>a</sup> This limestone is the refuse of a building stone quarry and is sold much below cost of production. The figures given represent cost to the furnace.



## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Southern district of the United States. One ton of 2,240 pounds of run of furnace pig iron. The quantities of all the materials and the costs of ore, coke, and limestone are the actual quantities and costs of the particular materials used. A detailed analysis of the cost of the coal used could not be obtained, but that given is from an establishment having a total cost approximately the same.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs	Taxes.	Transport to point where used.	Timber.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 5,818 pounds of iron ore.	\$2.823	-----	\$0.156	\$0.018	\$0.779	-----	\$0.172	\$3.948
Production of 971 pounds of limestone.	.127	-----	.024	.001	-----	-----	.083	.235
Production of 5,789 pounds of bituminous coal.	2.284	\$0.032	.194	.009	-----	\$0.017	.070	2.606
Conversion of above coal into 3,474 pounds of coke.	.573	.068	.043	.009	-----	-----	.571	1.264
Production of 410 pounds of bituminous coal used as such.	.162	.002	.014	.001	-----	.001	107	.287
Conversion of above materials into 2,240 pounds of pig iron.	1.324	.089	.144	.036	-----	-----	-----	1.593
Total cost of one ton of pig iron.	7.293	.191	.575	.074	.779	.018	1.003	9.933

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke .....	\$8.340
Cost of direct labor in producing the above materials .....	\$5.969
Per cent. of cost of direct labor in producing the above materials .....	72
Total cost of process of conversion .....	\$1.593
Cost of direct labor in process of conversion .....	\$1.324
Per cent. of cost of direct labor in process of conversion .....	83
Total cost of one ton of pig iron .....	\$9.933
Cost of direct labor in one ton of pig iron .....	\$7.293
Per cent. of cost of direct labor in one ton of pig iron .....	73

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Southern district of the United States. One ton of 2,240 pounds of run of furnace pig iron. The quantities of all the materials and the costs of ore, coal, and coke are the actual quantities and costs of the particular materials used. A detailed analysis of the cost of the limestone used could not be obtained, but that given is from an establishment having a total cost approximately the same.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Timber.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 5,072 pounds of iron ore.	\$1.234	\$0.052	\$0.088	\$0.009	\$0.566	-----	\$0.011	\$1.960
Production of 1,164 pounds of limestone.	.122	.017	.026	.001	.130	-----	.028	.324
Production of 5,744 pounds of bituminous coal.	2.263	.060	.086	.003	.574	\$0.020	.437	3.443
Conversion of above coal into 3,694 pounds of coke.	.528	-----	.242	.004	-----	-----	.026	.800
Conversion of above materials into 2,240 pounds of pig iron.	1.737	.156	.703	.038	-----	-----	-----	2.634
Total cost of one ton of pig iron.	5.884	.285	1.145	.055	1.270	.020	.502	9.161

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke .....	\$6.527
Cost of direct labor in producing the above materials .....	\$4.147
Per cent. of cost of direct labor in producing the above materials .....	64
Total cost of process of conversion .....	\$2.634
Cost of direct labor in process of conversion .....	\$1.737
Per cent. of cost of direct labor in process of conversion .....	66
Total cost of one ton of pig iron .....	\$9.161
Cost of direct labor in one ton of pig iron .....	\$5.884
Per cent. of cost of direct labor in one ton of pig iron .....	64

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Southern district of the United States. One ton of 2,240 pounds of run of furnace pig iron. The quantities of all the materials, and the costs of ore and coke are the actual quantities and costs of the particular materials used. Detailed analyses of the costs of the limestone and coal used could not be obtained, but those given are from establishments having total costs approximately the same.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Timber.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 4,695 pounds of iron ore.	\$2.111	\$0.170	\$0.361	\$0.048	\$0.524	.....	\$0.203	\$3.417
Production of 1,772 pounds of limestone.	.252	.002	.004	.....	.158	.....	.067	.483
Production of 3,862 pounds of bituminous coal.	1.025	.017	.044	.012	.....	\$0.021	.346	1.465
Conversion of above coal into 2,327 pounds of coke.	.329	.094	.043	.005	.873	.....	1.455	2.799
Conversion of above materials into 2,240 pounds of pig iron.	.595	.170	.593	.101	.....	.....	.....	1.459
Total cost of one ton of pig iron.	4.312	.453	1.045	.166	1.555	.021	2.071	9.623

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke.....	\$8.164
Cost of direct labor in producing the above materials.....	\$3.717
Per cent. of cost of direct labor in producing the above materials.....	46
Total cost of process of conversion.....	\$1.459
Cost of direct labor in process of conversion.....	\$0.595
Per cent. of cost of direct labor in process of conversion.....	41
Total cost of one ton of pig iron.....	\$9.623
Cost of direct labor in one ton of pig iron.....	\$4.312
Per cent. of cost of direct labor in one ton of pig iron.....	45

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Southern district of the United States. One ton of 2,240 pounds of run of furnace pig iron. The quantities of all the materials and the costs of ore, coal, and coke are the actual quantities and costs of the particular materials used. A detailed analysis of the cost of the limestone used could not be obtained, but that given is of a limestone produced in the same locality.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Timber.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 5,408 pounds of iron ore.	\$1.347	\$0.051	\$0.142	\$0.007	.....	.....	\$0.014	\$1.561
Production of 1,008 pounds of limestone.	.106	.014	.023	.001	\$0.126	.....	.138	.408
Production of 7,576 pounds of bituminous coal.	3.617	.121	.348	.098	.152	\$0.008	.....	4.254
Conversion of above coal into 4,094 pounds of coke.	.712	.027	.053	.002	.082	.....	.067	.943
Production of 23 pounds of cinder, scrap, etc. (See below.)	.....	.....	.....	.....	.....	.....	.....	.....
Conversion of above materials into 2,240 pounds pig iron.	1.816	.056	.555	.034	.....	.....	.....	2.461
Total .....	7.598	.269	1.121	.052	.360	.008	.219	9.627
Cost of above 23 pounds of cinder, scrap, etc., only the total of which can be given .....	.....	.....	.....	.....	.....	.....	.....	.007
Total cost of one ton of pig iron .....	.....	.....	.....	.....	.....	.....	.....	9.634

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke .....	\$7.166
Cost of direct labor in producing the above materials .....	\$5.782
Per cent. of cost of direct labor in producing the above materials .....	81
Total cost of process of conversion .....	\$2.461
Cost of direct labor in process of conversion .....	\$1.816
Per cent. of cost of direct labor in process of conversion .....	74
Total cost of one ton of pig iron .....	\$9.634
Cost of direct labor in one ton of pig iron .....	\$7.598
Per cent. of cost of direct labor in one ton of pig iron .....	79

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Southern district of the United States. One ton of 2,240 pounds of run of furnace pig iron. The quantities of all the materials and the costs of ore, coal, and coke are the actual quantities and costs of the particular materials used. A detailed analysis of the cost of limestone could not be obtained, but that given is from an establishment having a total cost approximately the same.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Timber.	Difference between foregoing actual costs and costs as charged by blastfurnace.	Total.
Production of 5,131 pounds of iron ore.	\$1.248	\$0.053	\$0.089	\$0.009	\$0.573	.....	\$0.011	\$1.983
Production of 1,340 pounds of limestone.	.141	.019	.030	.002	.150	.....	.049	.391
Production of 6,621 pounds of bituminous coal.	2.609	.070	.099	.003	.....	\$0.023	.098	2.902
Conversion of above coal into 3,973 pounds of coke.	.872	.....	.137	.004	.457	.....	.661	2.131
Production of 31 pounds of cinder, scrap, etc. (See below.)	.....	.....	.....	.....	.....	.....	.....	.....
Conversion of above materials into 2,240 pounds pig iron.	2.088	.209	.879	.017	.....	.....	.....	3.193
Total .....	6.958	.351	1.234	.035	1.180	.023	.819	10.600
Cost of above 31 pounds of cinder, scrap, etc., only the total of which can be given .....	.....	.....	.....	.....	.....	.....	.....	.010
Total cost of one ton of pig iron .....	.....	.....	.....	.....	.....	.....	.....	10.610

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke .....	\$7.407
Cost of direct labor in producing the above materials .....	\$4.870
Per cent. of cost of direct labor in producing the above materials .....	66
Total cost of process of conversion .....	\$3.193
Cost of direct labor in process of conversion .....	\$2.088
Per cent. of cost of direct labor in process of conversion .....	65
Total cost of one ton of pig iron .....	\$10.610
Cost of direct labor in one ton of pig iron .....	\$6.958
Per cent. of cost of direct labor in one ton of pig iron .....	66

## COST OF DIRECT LABOR, ETC., IN ONE TON OF PIG IRON.

[Great Britain. One ton of 2,240 pounds of Bessemer pig iron. The quantities of all the materials and the costs of limestone, coal, and coke are the quantities and costs of the particular materials used. A detailed analysis of the cost of the ore used could not be obtained, but that given is of an ore produced in the same locality.]

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Timber.	Difference between foregoing actual costs and costs as charged by blastfurnace.	Total.
Production of 3,944 pounds of iron ore.	\$0.662	\$0.019	\$0.143	\$0.023	\$3.205	.....	\$1.739	\$5.791
Production of 724 pounds of limestone.	.125	.....	.013	.....	.032	.....	.....	.170
Production of 3,671 pounds of bituminous coal.	1.601	.084	.237	.048	.....	\$0.257	.....	2.227
Conversion of above coal into 2,717 pounds of coke.	.338	.030	.230	.....	.....	.....	.....	.598
Production of 262 pounds of cinder, scrap, etc. (See below.)	.....	.....	.....	.....	.....	.....	.....	.....
Conversion of above materials into 2,240 pounds pig iron.	.603	.015	.580	.012	.....	.....	.....	1.210
Total .....	3.329	.148	1.203	.083	3.237	.257	1.739	9.096
Cost of above 262 pounds of cinder, scrap, etc., only the total of which can be given .....	.....	.....	.....	.....	.....	.....	.....	.20
Total cost of one ton of pig iron .....	.....	.....	.....	.....	.....	.....	.....	10.216

## SUMMARY OF THE ABOVE.

Total cost of ore, limestone, coal, and coke .....	\$8.786
Cost of direct labor in producing the above materials .....	\$2.726
Per cent. of cost of direct labor in producing the above materials .....	31
Total cost of process of conversion .....	\$1.210
Cost of direct labor in process of conversion .....	\$0.603
Per cent. of cost of direct labor in process of conversion .....	50
Total cost of one ton of pig iron .....	\$10.216
Cost of direct labor in one ton of pig iron .....	\$3.329
Per cent. of cost of direct labor in one ton of pig iron .....	33



In order to render the examination and comparison of the various points in the preceding tables more easy, the figures have been drawn off in a different form, which combines all the establishments into a single table for each material and stage of the work. These tables follow:

PRODUCTION OF THE IRON ORE NECESSARY FOR ONE TON OF PIG IRON.

Kind of iron.	Quantity of ore (pounds).	Cost.					Total.
		Direct labor.	Officials and clerks.	Supplies, repairs, and taxes.	Transport to point where used.	Difference between foregoing actual costs and costs as charged by blast furnace.	
NORTHERN DISTRICT, U. S.							
Run of furnace.....	5,810	\$4.452	-----	\$0.529	\$0.950	\$0.727	\$6.658
Bessemer.....	3,686	1.903	\$0.059	.764	3.045	3.641	9.412
Bessemer.....	3,640	2.537	.121	.804	2.831	2.981	9.274
Bessemer.....	3,686	3.122	.140	.872	4.525	1.678	10.337
Bessemer.....	3,695	2.357	.095	.779	a 1.732	b 4.814	9.777
Foundry.....	4,234	1.378	-----	-----	2.270	c 1.797	5.445
Hot blast charcoal.....	4,108	2.010	-----	-----	2.711	c 2.323	7.044
SOUTHERN DISTRICT, U. S.							
Run of furnace.....	5,818	2.823	-----	.174	.779	.172	3.948
Run of furnace.....	5,072	1.234	.052	.097	.566	.011	1.960
Run of furnace.....	4,695	2.111	.170	.409	.524	.203	3.417
Run of furnace.....	5,408	1.347	.051	.149	-----	.014	1.561
Run of furnace.....	5,131	1.248	.053	.098	.573	.011	1.983
GREAT BRITAIN.							
Bessemer.....	3,944	.662	.019	.166	3.205	1.739	5.791

*a* Railway charges only.

*b* Includes considerable for water transportation, which is not separable.

*c* Includes everything but direct labor and transport to point where used.

PRODUCTION OF THE LIMESTONE NECESSARY FOR ONE TON OF PIG IRON.

Kind of iron.	Quantity of lime- stone (pounds).	Cost.					Total.
		Direct labor.	Officials and clerks.	Supplies, repairs, and taxes.	Trans- port to point where used.	Difference between foregoing actual costs and costs as charged by blast furnace.	
NORTHERN DISTRICT, U. S.							
Run of furnace.....	4, 528	\$0. 526	.....	\$0. 121	\$0. 040	\$0. 061	\$0. 748
Bessemer.....	786	. 112	\$0. 001	. 002	. 228	. 003	. 346
Bessemer.....	1, 050	. 150	. 001	. 002	. 188	. 032	. 373
Bessemer.....	963	. 124	. 006	. 008	. 215	. 077	. 430
Bessemer.....	948	. 135	. 001	. 002	. 254	. 039	. 431
Foundry.....	1, 006	. 090	.....	.....	. 068	a. 112	. 270
Hot blast charcoal.....	153	. 003	.....	.....	. 014	.....	. 017
SOUTHERN DISTRICT, U. S.							
Run of furnace.....	971	. 127	.....	. 025	.....	. 083	. 235
Run of furnace.....	1, 164	. 122	. 017	. 027	. 130	. 028	. 324
Run of furnace.....	1, 772	. 252	. 002	. 004	. 158	. 067	. 463
Run of furnace.....	1, 008	. 106	. 014	. 024	. 126	. 138	. 408
Run of furnace.....	1, 340	. 141	. 019	. 032	. 150	. 049	. 391
GREAT BRITAIN.							
Bessemer.....	724	. 125	.....	. 013	. 032	.....	. 170

*a* Includes everything but direct labor and transport to point where used.



## PRODUCTION OF THE COAL NECESSARY FOR ONE TON OF PIG IRON.

Kind of iron.	Quantity of bituminous coal (pounds).	Cost.					Total.
		Direct labor.	Officials and clerks.	Supplies, repairs, and taxes.	Transport to point where used.	Diff-erence between foregoing actual costs and costs as charged by blast furnace.	
NORTHERN DISTRICT, U. S.							
Run of furnace.....	6,797	\$2.258	-----	\$0.349	\$0.707	\$0.253	\$3.567
Bessemer .....	2,946	.520	-----	.088	-----	-----	.608
Bessemer .....	4,513	.954	\$0.038	.290	-----	.121	a 1.429
Bessemer .....	2,824	.866	.021	.024	-----	-----	.911
Bessemer .....	3,133	.703	.012	.200	.048	.001	.964
Foundry .....	3,614	.726	-----	-----	-----	b .170	.896
Hot blast charcoal.....	(c)	1.786	-----	-----	1.786	d .238	3.810
SOUTHERN DISTRICT, U. S.							
Run of furnace.....	6,199	2.446	.034	.236	-----	.177	2.893
Run of furnace.....	5,744	2.263	.060	.109	.574	.437	3.443
Run of furnace.....	3,862	1.025	.017	.077	-----	.346	1.465
Run of furnace.....	7,576	3.617	.121	.364	.152	-----	4.254
Run of furnace.....	6,621	2.609	.070	.125	-----	.098	2.902
GREAT BRITAIN.							
Bessemer .....	3,671	1.601	.084	.542	-----	-----	2.227

a There is here included 2.6 cents, the cost of 45 pounds of coal not converted into coke which cannot be distributed through the several items of cost.

b Includes everything but direct labor.

c Wood, 2.38 cords.

d Includes everything but direct labor and transport to point where used.

## CONVERSION OF COAL INTO THE COKE NECESSARY FOR ONE TON OF PIG IRON

Kind of iron.	Quantity of coke (pounds).	Cost.					Total.
		Direct labor.	Officials and clerks.	Supplies, repairs, and taxes.	Transport to point where used.	Difference between foregoing actual costs and costs as charged by blast furnace.	
NORTHERN DISTRICT, U. S.							
Run of furnace.....	3,990	\$0.615	-----	\$0.023	-----	\$0.060	\$0.698
Bessemer .....	2,209	.437	\$0.023	.200	\$2.043	.278	2.981
Bessemer .....	3,108	.558	.030	.071	1.973	-----	2.632
Bessemer .....	1,939	.302	.009	.052	.582	.035	.980
Bessemer .....	2,236	.414	.031	.018	1.509	.209	2.181
Foundry .....	2,468	.348	-----	-----	3.702	a 1.224	5.274
Hot blast charcoal.....	(b)	1.500	-----	-----	1.800	a .210	3.510
SOUTHERN DISTRICT, U. S.							
Run of furnace .....	3,474	.573	.068	.052	-----	.571	1.264
Run of furnace .....	3,694	.528	-----	.246	-----	.026	.800
Run of furnace .....	2,327	.329	.094	.048	.873	1.455	2.799
Run of furnace .....	4,094	.712	.027	.055	.082	.067	.943
Run of furnace .....	3,973	.872	-----	.141	.457	.661	2.131
GREAT BRITAIN.							
Bessemer.....	2,717	.338	.030	.230	-----	-----	.598

a Includes everything but direct labor and transport to point where used.

b Charcoal, 100 bushels.

## CONVERSION OF THE MATERIALS INTO ONE TON (2,240 POUNDS) OF PIG IRON.

Kind of iron.	Cost.			
	Direct labor.	Officials and clerks.	Supplies, repairs, and taxes.	Total.
NORTHERN DISTRICT, U. S.				
Run of furnace.....	\$1.595	\$0.175	\$0.530	\$2.300
Bessemer.....	1.440	.137	.305	1.882
Bessemer.....	1.534	.320	.941	2.795
Bessemer.....	1.155	.151	.554	1.860
Bessemer.....	1.665	.259	.475	2.399
Foundry.....	1.159	.....	a .641	1.800
Hot blast charcoal.....	1.438	.....	a .388	1.826
SOUTHERN DISTRICT, U. S.				
Run of furnace.....	1.324	.089	.180	1.593
Run of furnace.....	1.737	.156	.741	2.634
Run of furnace.....	.595	.170	.694	1.459
Run of furnace.....	1.816	.056	.589	2.461
Run of furnace.....	2.088	.209	.896	3.193
GREAT BRITAIN.				
Bessemer.....	.603	.015	.592	1.210

a Includes everything but direct labor.

## TOTAL COST OF ONE TON OF PIG IRON FROM THE MINING OF THE MATERIALS TO THE FINISHED PRODUCT, INCLUSIVE.

Kind of iron.	Direct labor.	Officials and clerks.	Supplies, repairs, and taxes.	Transport to point where used.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
NORTHERN DISTRICT, U. S.						
Run of furnace.....	\$9.446	\$0.175	\$1.552	\$1.697	\$1.101	\$13.971
Bessemer.....	4.412	.220	1.359	5.316	3.922	a 15.281
Bessemer.....	5.733	.510	2.108	4.992	3.134	b 16.503
Bessemer.....	5.569	.327	1.510	5.322	1.790	14.518
Bessemer.....	5.274	.398	1.474	c 3.543	d 5.063	e 15.823
Foundry.....	3.701	.....	.....	6.040	f 3.944	13.685
Hot blast charcoal.....	6.737	.....	.....	6.311	f 3.159	16.207
SOUTHERN DISTRICT, U. S.						
Run of furnace.....	7.293	.191	.667	.779	1.003	9.933
Run of furnace.....	5.884	.285	1.220	1.270	.502	9.161
Run of furnace.....	4.312	.453	1.232	1.555	2.071	9.623
Run of furnace.....	7.598	.269	1.181	.360	.219	g 9.634
Run of furnace.....	6.958	.351	1.292	1.180	.819	h 10.610
GREAT BRITAIN.						
Bessemer.....	3.329	.148	1.543	3.237	1.739	i 10.216

a Includes 5.2 cents, the cost of 31 pounds of cinder, scrap, etc., only the total cost of which can be given.

b Includes 2.6 cents, the cost of 45 pounds of bituminous coal, only the total cost of which can be given.

c For the iron ore railway charges only are here included.

d For the iron ore a considerable sum for water transportation is here included.

e Includes 7.1 cents, the cost of 29 pounds of cinder, scrap, etc., only the total cost of which can be given.

f Includes everything but direct labor and transport to point where used.

g Includes 0.7 cents, the cost of 23 pounds of cinder, scrap, etc., only the total cost of which can be given.

h Includes one cent, the cost of 31 pounds of cinder, scrap, etc., only the total cost of which can be given.

i Includes 22 cents, the cost of 262 pounds of cinder, scrap, etc., only the total cost of which can be given.

PER CENT. OF COST FOR DIRECT LABOR IN ONE TON OF PIG IRON FROM THE MINING OF THE MATERIALS TO THE FINISHED PRODUCT, INCLUSIVE.

Kind of iron.	Per cent. that cost for direct labor is of total cost in—		
	Produc- ing the materials.	Convert- ing the materials into pig iron.	Both pro- cesses.
NORTHERN DISTRICT, U. S.			
Run of furnace .....	67	69	68
Bessemer .....	22	77	29
Bessemer .....	31	55	35
Bessemer .....	35	62	39
Bessemer .....	27	69	33
Foundry .....	21	64	27
Hot blast charcoal .....	37	79	42
SOUTHERN DISTRICT, U. S.			
Run of furnace .....	72	83	73
Run of furnace .....	64	66	64
Run of furnace .....	46	41	45
Run of furnace .....	81	74	79
Run of furnace .....	66	65	66
GREAT BRITAIN.			
Bessemer .....	31	50	33

The most apparent thing in the preceding tables is the complete lack of agreement between the facts for the different establishments. Yet it must be remembered the figures are not estimates nor based on estimates, but are worked out from the actual accounts of the concerns for a definite period, usually a year. In the quantities of materials used there is the least variation in ore—the five establishments producing Bessemer using from 3,640 to 3,944 pounds. For the run of furnace establishments the range is from 4,695 to 5,818 pounds. But in limestone, from 724 to 1,050 pounds are used for Bessemer and from 971 to 4,528 pounds for run of furnace. Passing by the coal, where we see from 2,824 to 4,513 pounds used for Bessemer iron, and 3,862 to 6,797 pounds for run of furnace, and considering coke, the resulting product, we find from 1,939 to 2,236 pounds sufficient for Bessemer and from 2,327 to 3,990 pounds necessary for run of furnace. The larger quantities used in the southern establishments is what we might expect from earlier tables where this was more fully brought out (see page 65). Such wide differences in the necessary quantities of materials and consequently in cost of labor are not likely to be more than partially overcome in the future, since they are due to the relative purity or comparative inherent value of each for the purpose. In the several items of cost in ore, limestone, coal, and coke, we see extraordinary differences. Of course these costs are for differing quantities, and if we turn to the general tables on production, I to XI, where hundreds of establishments are treated, nothing is more marked than the fact that there is not, as yet, a scientific determination of the necessary expenditures in labor, in administration, or in the different classes of supplies in the production of these materi-



als. In spite of the natural differences in cost arising from the variable qualities of the materials, the inference seems conclusive that, from a commercial point of view, the production of iron is still carried on, to some extent at least, in a crude, experimental, and unequal way. In the matter of transportation to point where used, the cost for each of the different materials is low in the southern establishments, as we might expect, when compared with the northern. In the last of the above tables is shown the per cent. that the cost for direct labor is of the total cost of a ton of pig iron, in producing the materials, in converting the materials into pig iron, and in both processes combined. We see here that the proportion paid for labor in producing the materials for Bessemer iron in the north is from 22 to 35 per cent. of the total cost of the materials, and in the south, for run of furnace iron, that it is from 46 to 81 per cent. of such cost. The advantage as to labor here manifestly lies with the north. In the conversion of the materials into iron the two sections seem to be more evenly balanced. However, such are the wide disagreements in these results that it is clear no definite sum can be justly fixed on as generally representative, for any locality, of the cost for direct labor or for any other of the items considered.

#### COST OF PIG IRON, ETC., IN PREVIOUS YEARS.

The Department has made considerable effort to secure facts relating to the cost of making pig iron, etc., in the past, but these efforts have not been crowned with very flattering success; yet what it has been able to find is given herewith. The sources from which the tables are drawn are stated in the appropriate places for each showing. The earliest period given is 1848.

#### COST OF MAKING COKE PIG IRON IN WALES IN 1848.

[This and the succeeding tables to the final one on the cost of producing iron on the Schuylkill river, Pennsylvania, (page 92) are from "Documents relating to the manufacture of iron in Pennsylvania, published on behalf of the convention of iron masters which met in Philadelphia on the 20th of December, 1849." Those relating to the cost of producing iron in Wales, Scotland, etc., are also appended to the report of the secretary of the treasury made December 3, 1849, as "L—No. 26." To secure clearness the form of presentation has been altered and various verbal changes made. Any peculiarities of inclusion, exclusion, or otherwise are part of the original.]

Elements of cost.	Cost.
Cost of 1 ton of clay ironstone.....	\$2.422
Cost of 1 ton of cinder.....	1.211
Cost of 0.75 ton of red hematite ore from Whitehaven, at \$5.329 per ton.....	3.997
Cost of 3 tons of coal for coking, at 96.9 cents per ton.....	2.907
Cost of 0.85 ton of coal for the engine and hot blast, at 49.9 cents per ton.....	.424
Cost of coking.....	.484
Cost of 0.50 ton of limestone, at 72.7 cents per ton.....	.363
Wages.....	1.453
General expenses.....	1.453
Cost at the furnace per ton.....	14.714

At Merthyr the above limestone costs about 36.3 cents per ton, but along the valley above Newport it costs \$1.09 per ton; 72.7 cents is given as the average. In some places they use the blast furnace cinder



for a flux instead of limestone because of the high price of the latter. No account is taken of that, as the loss in the quality of the iron is more than the gain by using the cinder.

As the price of the above hematite ore may be doubted by some persons the items of cost are given as follows :

## ANALYSIS OF COST OF ABOVE ORE.

Elements of cost.	Cost.
The price on board the vessel at Whitehaven, reduced in August, 1849, from \$2.96 per ton to	\$2.664
Freight from Whitehaven to Cardiff .....	1.696
Freight by railroad from Cardiff to Merthyr, 25 miles.....	.606
Loading and unloading railroad cars.....	.121
Loading and unloading tramway cars which convey it from the railroad to the furnace ..	.242
Cost at the furnace per ton.....	5.329

## COST OF MAKING ANTHRACITE PIG IRON IN WALES IN 1848.

Cost of 2 tons clay ironstone, at \$2.422 per ton .....	\$1.844
Cost of 0.75 ton of hematite ore, at \$5.329 per ton.....	3.997
Cost of 2 tons of coal in the furnace, at \$1.211 per ton .....	2.422
Cost of 1.50 ton of coal for steam, hot blast, roasting ore, etc., at \$1.211 per ton .....	1.817
Cost of 0.50 ton of limestone, at 72.7 cents per ton.....	.363
Wages .....	2.180
General expenses.....	1.453
Cost at the furnace per ton.....	17.076

## COST OF MAKING PIG IRON IN SCOTLAND IN 1848.

Cost of 2 tons of raw coal, at 96.9 cents per ton .....	\$1.938
Cost of 3.50 tons of raw ore (equal to 1.75 ton roasted), at \$1.211 per ton .....	4.239
Cost of 0.3 ton of limestone, at \$1.696 per ton .....	.509
Cost of 1 ton of coal for engine and hot blast.....	.484
Wages .....	1.211
General expenses.....	1.372
Cost at the furnace per ton .....	9.753

## COST OF CONVERTING PIG IRON INTO [IRON] RAILS IN WALES IN 1848.

## COST FROM PIG IRON TO PLATE METAL.

Cost of 1.13 ton of pig iron, at \$14.714 per ton (see table above for coke pig iron in Wales) ..	\$16.627
Cost of 0.50 ton of coke for fuel, at \$2.18 per ton.....	1.090
Wages of refiner and helper .....	.222
Wages of breakers and metal wheelers .....	.035
Cost of plate metal per ton .....	17.974

## COST FROM PLATE METAL TO PUDDLED BAR.

Cost of 1.06 ton of plate metal, at \$17.974 per ton.....	\$19.052
Cost of 0.75 ton of coal for puddling, at 96.9 cents per ton .....	.727
Cost of 0.33½ ton of coal for engines, at 48.5 cents per ton .....	.162
Wages of puddler and helper.....	1.453
Wages of squeezer .....	.081
Wages for rolling .....	.162
Wages of extra train boy, at 52.5 cents per day.....	.018
Wages of 2 extra drag-out boys, at 23.2 cents each per day.....	.016
Wages of 2 weighmen, at 42.4 cents each per day.....	.028
Wages of 1 cinder wheeler, at 50.5 cents per day.....	.017
Wages of ash fillers .....	.003
Cost of puddled bar per ton.....	21.719

## REPORT OF THE COMMISSIONER OF LABOR.

## COST FROM PUDDLED BAR TO REHEATED AND ROLLED TOPS AND BOTTOMS.

Elements of cost.	Cost.
Cost of 1.10 ton of puddled bar iron, at \$21.719 per ton .....	\$23.891
Cost of 0.60 ton of coal for furnaces, at 96.9 cents per ton .....	.581
Cost of 0.33½ ton of coal for engine, at 48.5 cents per ton .....	.162
Wages for rolling .....	.313
Wages for heating .....	.414
Cost of reheated and rolled tops and bottoms per ton .....	25.361
Cost of rail pile (consisting of one-fourth reh. ated and rolled tops and bottoms and three-fourths puddled bar) per ton.	22.629

## COST FROM RAIL PILE TO ROLLED AND FINISHED RAILS.

Cost of 1.10 ton of rail pile, at \$22.629 per ton .....	\$24.892
Cost of 0.60 ton of coal for furnace, at 96.9 cents per ton .....	.581
Cost of 0.33½ ton of coal for engine, at 48.5 cents per ton .....	.162
Wages for cutting, wheeling, and piling .....	.121
Wages of roller .....	.101
Wages for roughing-down .....	.081
Wages for catching .....	.060
Wages of heater and helper .....	.414
Wages of hooker-in, at 66.6 cents per day .....	.022
Wages of heave-up at roughing, at 54.5 cents per day .....	.018
Wages of heave-up at finishing, at 36.3 cents per day .....	.012
Wages of catcher at finishing, at 48.5 cents per day .....	.016
Wages of extra helper to charge, at 60.5 cents per day .....	.020
Wages of extra helper to coach, at 60.5 cents per day .....	.020
Wages of 1 sawer and hot straightener, at 66.6 cents per day .....	.022
Wages of 3 sawers and hot straighteners, at 72.7 cents each per day .....	.073
Wages of 1 sawer and hot straightener, at \$1.453 per day .....	.048
Wages of 2 hot filers, at 72.7 cents per day .....	.048
Wages of saw filer .....	.015
Wages for cold straightening .....	.202
Wages for dressing .....	.031
Wages for patching .....	.020
Wages for inspecting .....	.025
General expenses, such as superintendence of mills, wages of engineers, firemen, masons, blacksmiths, cost of firebrick, oil, grease, fuel for smiths, iron and steel to mend tongs, heaters' and puddlers' tools, sand, cinder, and ore to line and repair the furnaces, renewal of castings burned and broken.	1.453
Cost of completed rails at the mill per ton .....	28.507

QUANTITIES OF MATERIALS USED IN MAKING ONE TON OF [IRON] RAILS IN WALES  
IN 1848.

[These quantities are deduced by the Department of Labor from the preceding statements as the necessary amounts entering into one ton of finished rails.]

Materials.	Tons.
Clay ironstone .....	1.3504
Cinder .....	1.3504
Red hematite ore .....	1.0128
Coal for coke .....	4.0512
Coal for engine and hot blast .....	1.1478
Limestone .....	.6752

QUANTITIES OF SUCCESSIVE PRODUCTS RESULTING FROM THE CONVERSION OF  
THE ABOVE MATERIALS INTO RAILS.

[Deduced by the Department, as indicated above.]

Pig iron .....	1.3504
Plate metal .....	1.1951
Puddled bar iron .....	1.1275
Tops and bottoms (made from 0.3025 ton of the puddled bar) .....	.2750
Rail pile (made from the tops and bottoms and 0.8250 ton of the puddled bar) .....	1.1000
Finished rails .....	1.0000

## COST OF ROLLING-MILL LABOR IN ONE TON OF IRON [RAILS] IN THE UNITED STATES AND GREAT BRITAIN.

[This table is given substantially as it appears in the volume referred to, as it is impossible to make it harmonious with the preceding tables from which the various items of cost in the central column profess to be drawn. In the original some of these items could not be identified in the earlier tables, and others were manifestly wrong, though not enough so to alter the total materially. Under these circumstances, the only thing to do was to change the sterling into United States money, and present the table as it was found. Attention is also directed to the fact that the plan pursued does not really result in arriving at the total cost of direct labor in converting a quantity of pig iron into one ton of rolled iron. For example, the statement shows the labor cost of puddling the material for a ton of rolled iron [rails] to be \$1.453, but a reference to the preceding tables shows that this sum is the labor cost of puddling in one ton of puddled iron; now it requires 1.1275 ton of puddled iron to produce a ton of rolled iron [rails], so that the true labor cost should be \$1.638. As to how the cost for American labor is arrived at, no information is furnished, and the value of the statement is thereby much lessened.]

Elements of labor.	United States, 1849.	Great Britain.	
		1848.	1849 (Reduced 10 per cent. from 1848).
Wages of puddler and helper.....	\$3.500	\$1.453	\$1.295
Wages for rolling puddled bar.....	.727	.162	.145
Wages for sundry labor [puddle mill].....	.823	.419	.375
Wages for shearing iron for piles.....	.210	.121	.110
Wages for heater and helper.....	.875	.414	.370
Wages for rolling.....	.850	.474	.420
Wages for straightening and finishing.....	1.375	.545	.485
Wages for sundry labor.....	1.255	.061	.055
General expenses, such as superintendence of mills, wages of engineers, firemen, masons, blacksmiths, etc.	1.385	.525	.469
Total.....	11.000	4.174	3.724

## COST OF IMPORTING IRON UNDER THE TARIFF OF 1846.

[The charges are practically the average for 10 years of those actually paid by a large importing house.]

Elements of cost.	Cost.
Cost of 1 ton of rails at Merthyr, as shown above.....	\$28.507
Freight from Merthyr to Cardiff.....	.606
Commission for negotiating payment.....	.270
Shipping charges.....	.560
Duty.....	8.250
Insurance.....	.410
Freight.....	3.500
Portage.....	.500
Total.....	42.603

## ANALYSIS OF COST OF IRON ORE IN ONE TON OF PIG IRON MADE AT FURNACES ON THE SCHUYLKILL RIVER, PENNSYLVANIA, IN 1849.

Elements of cost.	Cost.		
	Labor.	Other.	Total.
Mining 2.67 tons, at \$1 per ton.....	\$2.67	.....	\$2.67
Hauling 2.67 tons, at 50 cents per ton.....	1.33	.....	1.33
Weighing, etc., 2.67 tons, at 10 cents per ton.....	.27	.....	.27
Royalty on 2.67 tons, at 40 cents per ton.....	.....	\$1.06	1.06
Total.....	4.27	1.06	5.33



## REPORT OF THE COMMISSIONER OF LABOR.

ANALYSIS OF COST OF COAL IN ONE TON OF PIG IRON MADE AT FURNACES  
ON THE SCHUYLKILL RIVER, PENNSYLVANIA, IN 1849.

Elements of cost.	Cost.		
	Labor.	Other.	Total.
Mining 2.25 tons, at 90 cents per ton .....	\$2.02	-----	\$2.02
Lateral railroad transport of 2.25 tons, at 25 cents per ton (labor 13, other 12) .....	.29	\$0.27	.56
Wear and tear in producing 2.25 tons, at 15 cents per ton (labor 12, other 3) .....	.27	.07	.34
Incidental labor on 2.25 tons, at 7 cents per ton .....	.16	-----	.16
Railroad transport of 2.25 tons, at \$1.30 per ton (labor 70, other 60) ..	1.58	1.35	2.93
Royalty on 2.25 tons, at 35 cents per ton .....	-----	.79	.79
Mining operator's profit on 2.25 tons, at 18 cents per ton .....	-----	.40	.40
Interest on 2.25 tons, at 5 cents per ton .....	-----	.11	.11
Total .....	4.32	2.99	7.31

ANALYSIS OF COST OF LIMESTONE IN ONE TON OF PIG IRON MADE AT FURNACES  
ON THE SCHUYLKILL RIVER, PENNSYLVANIA, IN 1849.

Quarrying 1 ton .....	\$0.25	-----	\$0.25
Hauling 1 ton .....	.40	-----	.40
Royalty on 1 ton .....	-----	\$0.10	.10
Total .....	.65	.10	.75

SUMMARY OF COST OF ONE TON OF PIG IRON AT FURNACES ON THE SCHUYLKILL  
RIVER, PENNSYLVANIA, IN 1849.

Iron ore, 2.67 tons .....	\$1.27	\$1.06	\$5.33
Coal, 2.25 tons .....	4.32	2.99	7.31
Limestone, 1 ton .....	.65	.10	.75
Conversion of these materials into 1 ton of pig iron .....	2.00	-----	2.00
Other blast furnace expenses .....	1.11	1.00	2.11
Total .....	12.35	5.15	17.50

COST OF LABOR IN ONE TON OF MERCHANT BAR IRON AT THE WORKS ON THE  
SCHUYLKILL RIVER, PENNSYLVANIA, IN 1849.

[This iron is supposed to be made from the above analyzed pig iron, costing, as shown, \$17.50 at the mill. Three tons of coal, 3.56 tons of ore, and 1.33 ton of limestone are estimated as necessary to produce the 1.33 ton of pig iron used in making 1 ton of this bar iron. The computations are made on these bases.]

Elements of cost.	Cost.
Mining 3.56 tons of ore for the blast furnace, at \$1 per ton .....	\$3.56
Hauling 3.56 tons of ore for the blast furnace, at 50 cents per ton .....	1.78
Weighing, etc., 3.56 tons of ore for the blast furnace, at 10 cents per ton .....	.36
Mining 3 tons of coal for the blast furnace, at 90 cents per ton .....	2.70
Lateral railroad transport of 3 tons of coal for the blast furnace, at 13 cents per ton (labor proportion) .....	.39
Wear and tear in producing 3 tons of coal for the blast furnace, at 12 cents per ton (labor proportion) .....	.36
Incidental labor on 3 tons of coal for the blast furnace, at 7 cents per ton .....	.21
Railroad transport of 3 tons of coal for the blast furnace, at 70 cents per ton (labor proportion) ..	2.10
Quarrying 1.33 ton of limestone for the blast furnace, at 25 cents per ton .....	.33
Hauling 1.33 ton of limestone for the blast furnace, at 40 cents per ton .....	.53
Blast furnace labor converting the materials into 1.33 ton of pig iron .....	4.14
Mining 2.25 tons of coal for the bar mill, at 90 cents per ton .....	2.02
Lateral railroad transport of 2.25 tons of coal for the bar mill, at 13 cents per ton (labor proportion) ..	.29
Wear and tear in producing 2.25 tons of coal for the bar mill, at 12 cents per ton (labor proportion) ..	.27
Incidental labor on 2.25 tons of coal for the bar mill, at 7 cents per ton .....	.16
Railroad transport of 2.25 tons of coal for the bar mill, at 70 cents per ton (labor proportion), plus error of 22 cents ..	1.80
Bar-mill labor converting 1.33 ton of pig iron into 1 ton of merchant bar iron .....	15.00
Extra bar-mill labor .....	1.00
Total .....	37.00



## COST OF ANTHRACITE PIG IRON AT A FURNACE IN EASTERN PENNSYLVANIA.

[From Report of Tenth Census, Vol. XX, page 111, where it is given as compiled by William E. S. Baker for The Iron Age.]

Items.	1880.	1879.	1879, Jan. 1.	1877, July 1.	1876, Mar. 1.	1875, Mar. 1.	1874, Mar. 1.	1873.
Cost of ore to the ton of pig iron...	\$11.49	\$9.97	\$6.51	\$7.69	\$9.54	\$11.95	\$14.75	\$14.87
Cost of coal to the ton of pig iron...	5.73	5.14	5.29	4.93	6.79	8.01	7.90	7.45
Cost of limestone to the ton of pig iron.	1.23	1.09	.78	.81	1.01	1.14	2.03	1.98
Cost of [furnace] labor to the ton of pig iron.	2.80	2.35	1.86	2.02	2.54	2.97	4.40	5.11
Cost of general contingencies (a) ..	1.40	.96	1.29	1.65	1.73	2.10	2.39	3.00
Cost at furnace bank .....	22.70	19.51	15.73	17.10	21.61	26.17	31.47	32.41
Add interest on capital on a product of 6,000 tons.	1.00	1.00	1.15	1.26	1.59	1.70	2.00	2.08
Total cost to producer .....	23.70	20.51	16.88	18.36	23.20	27.87	33.47	34.49

Items.	1872.	1871.	1870.	1869.	1868.	1867.	1866.	1865.
Cost of ore to the ton of pig iron...	\$13.64	\$12.67	\$12.96	\$11.86	\$10.92	\$11.71	\$12.19	\$13.13
Cost of coal to the ton of pig iron...	7.28	8.59	7.08	7.41	7.11	7.44	7.55	9.66
Cost of limestone to the ton of pig iron.	2.04	2.08	2.44	2.14	2.51	2.76	2.65	2.85
Cost of [furnace] labor to the ton of pig iron.	4.69	3.54	3.89	3.46	3.86	3.99	3.46	4.56
Cost of general contingencies (a) ..	2.93	2.77	3.67	1.96	1.90	1.98	2.03	2.01
Cost at furnace bank .....	30.58	29.65	30.04	26.83	26.30	27.88	27.88	32.21
Add interest on capital on a product of 6,000 tons.	1.75	1.82	1.85	1.71	1.63	1.80	1.64	1.61
Total cost to producer .....	32.33	31.47	31.89	28.54	27.93	29.68	29.52	33.82

Items.	1864.	1863.	1862.	1861.	1860.	1859.	1858.	1857.
Cost of ore to the ton of pig iron...	\$9.12	\$7.49	\$7.08	\$7.35	\$7.45	\$7.08	\$7.66	\$7.75
Cost of coal to the ton of pig iron...	5.41	3.42	3.68	3.26	3.49	3.26	4.06	3.89
Cost of limestone to the ton of pig iron.	1.93	1.20	1.11	1.17	1.21	1.15	1.18	1.14
Cost of [furnace] labor to the ton of pig iron.	2.85	2.07	1.57	1.97	1.87	1.82	2.10	2.30
Cost of general contingencies (a) ..	1.66	2.35	2.67	2.86	2.83	2.83	2.73	2.16
Cost at furnace bank .....	20.97	16.53	16.11	16.61	16.85	16.14	17.73	17.24
Add interest on capital on a product of 6,000 tons.	1.59	1.40	1.57	1.57	1.36	1.28	1.22	1.47
Total cost to producer .....	22.56	17.93	17.68	18.18	18.21	17.42	18.95	18.71

Items.	1856.	1855.	1854.	1853.	1852.	1851.	1850.
Cost of ore to the ton of pig iron ....	\$7.50	\$7.51	\$6.65	\$5.97	\$5.55	\$5.44	\$5.75
Cost of coal to the ton of pig iron ...	3.90	4.63	3.53	3.23	3.65	3.36	3.70
Cost of limestone to the ton of pig iron.	1.16	1.26	1.38	1.06	1.09	.96	.93
Cost of [furnace] labor to the ton of pig iron.	2.58	2.85	2.45	2.00	2.02	1.61	2.22
Cost of general contingencies (a) ....	2.91	2.62	1.99	2.62	2.03	1.93	1.65
Cost at furnace bank .....	18.05	18.87	16.00	14.88	14.34	13.30	14.25
Add interest on capital on a product of 6,000 tons.	1.21	1.29	1.37	1.22	1.15	1.05	1.05
Total cost to producer .....	19.26	20.16	17.37	16.10	15.49	14.35	15.30

Tons of ore used to make one ton of pig iron, average of 10 years .....	2.770
Tons of coal used to make one ton of pig iron, average of 10 years .....	1.750
Tons of limestone used to make one ton of pig iron, average of 10 years .....	.815

a Presumably this relates to the blast furnace only.

In November, 1885, Mr. Henry S. Eckert, president of the Eastern Pig Iron Association, and Mr. De B. Randolph Keim, secretary, in replying for the Association to a letter of the honorable secretary of the treasury, sent out in September, 1885, stated (*a*) that during the three years last past the cost of production of pig iron had varied from \$17 to \$20 per ton of 2,240 pounds. This letter also contains the following valuable statements:

*Cost of labor.*—The actual cost of furnace labor, including handling materials and product, with superintendence, at a well managed furnace will average \$2 to \$2.50 per ton of iron. Taking \$2 as a standard, the items would be about as follows:

Superintendence, including clerical labor.....	\$0.30
Cinder men (removing slag).....	.30
Fillers (putting materials into furnace).....	.70
Iron men (preparing beds and handling iron).....	.20
General men (blacksmiths, enginemen, laborers, etc.).....	.50
Total.....	2.00

The rates of wages range from 11 cents per hour for unskilled labor to \$1.75 and \$2.50 per day for skilled mechanics.

*Operating expenses.*—The principal item of operating expenses is labor, given above. The other items are incidentals and repairs. Incidentals include small daily repairs to furnace and machinery, as well as such items as feed for horses, and oil for lubrication and light, etc. These, of course, vary every month, but will average 75 cents per ton of iron.

*Repairs* generally apply to large items, always required when an accident occurs or the furnace goes out of blast at the close of the campaign. The relining of the furnace with fire brick and a thorough overhauling of the machinery is always necessary at the end of a blast, before the furnace can be started up again. The amount of repairs required varies very much, and can never be determined till the furnace is cold and emptied to admit of inspection. Then the length of the blast varies from a few months to four or five years, and of course the quantity of iron against which the repairs are chargeable varies with the length of the blast. For these reasons the amount per ton due to cost of repairs can only be estimated while the furnace is in blast, but it is considered safe to charge 50 cents per ton for this item.

In order to comply with the secretary's request for itemized expenditures, we append a statement of the actual cost of making pig iron at 4 works in different parts of the country east of the Alleghany mountains, which may be taken as typical establishments in the districts where they are located. This statement covers the years 1882, 1883, and 1884:

	Tons iron made.	Fuel.	Ore.	Limestone.	Wages and salaries.	Incidentals.	Repairs.	Total cost.
I	64,200	\$5.15	\$8.50	\$0.97	\$2.25	\$0.43	.....	\$17.30
II	96,000	5.47	9.58	.42	1.82	.72	\$0.69	18.70
III	52,152	5.96	9.26	.82	2.10	.62	.19	18.95
IV	90,500	6.50	9.00	.69	2.37	1.10	.50	20.16

The cost here given is absolute expense at the works, and does not include cost of sales and general office, commissions, interest, taxes, etc., which may be found treated hereafter.

*a* See report of the secretary of the treasury on the revision of the tariff, February 26, 1886, pages 402 to 407.

While it will be seen that the direct charge for labor at the furnace ranges from \$1.82 to \$2.37 per ton of iron, it must be emphatically stated that the other items—fuel, ore, limestone, and repairs—are very largely, perhaps 90 per cent., made up of labor.

Messrs. J. B. Sargent, of New Haven, Conn., Edward J. Shriver, of New York, Graham McAdam, of New York, Lindley Vinton, of the Vinton Iron Works, Indianapolis, M. D. Harter, of the Aultman & Taylor Company, Mansfield, Ohio, John H. Miller, of the Schreidt & Miller Company, Mansfield, Ohio, Isaac H. Harter, of the Peerless Reaper Company, Canton, Ohio, W. G. Gibbons, of Wilmington, Del., and others, in a letter to the honorable secretary of the treasury, dated December 21, 1885, (a) made the following statements relative to the cost of converting pig iron into bars and rails in America and in England, the statements being for the latter part of 1885:

COST PER TON OF MAKING BAR IRON AND STEEL RAILS.

	In America.	In England.
Medium bar iron sells at.....	\$35.84	\$29.10
Gray forge pig iron sells at.....	15.00	11.64
Converting pig iron into bars.....	20.84	17.46
Steel rails sell at.....	34.00	24.50
Bessemer pig iron sells at.....	20.50	10.20
Converting pig iron into rails.....	13.50	14.30

The English quotations used in the foregoing statement are for South Staffordshire bar of the quality usually marketed in this country alongside our medium bar, and for pig of corresponding quality. The gentlemen above referred to, in their letter to the honorable secretary, criticised the following table given by the Iron and Steel Association.

Labor in producing raw materials.....	\$10.26
Labor in transporting raw materials.....	1.78
Labor at furnace, including repairs.....	1.91
Total cost of labor.....	13.95
Taxes, insurance, commissions, office expenses, interest, travelling expenses, royalties, etc.	5.22
Total cost of ton of pig iron.....	19.17
Percentage of labor cost to total cost.....	73

Reviewing this statement, they say:

The effort here is to sustain the theory that pig iron is all labor, but nothing can excuse such a deliberate perversion of fact as is contained in these few figures. \* \* \* According to the census of 1880 when wages were much higher the actual wages paid for mining this ore were \$2.81 and for the coal \$1.22. Adding 40 cents wages paid for quarrying limestone we get the total labor for producing raw material as \$4.43 to one ton of pig iron instead of \$10.26 as in the table.

Quoting a statement from the Iron Age that one-half cent per mile is a fair allowance for transportation they say:

If this estimate is correct, the labor for transporting raw material

a See report of the secretary of the treasury on the revision of the tariff, February 16, 1886, pages 521 to 530.



ought not to be put down at over 40 cents in most cases. The item of labor at furnace is fairly reasonable, but an allowance of \$5.22, or 25 per cent., for et ceteras would indicate a most extravagant business, and is \$2 more than the highest estimate that has ever been made. Remodelling our table by the new light we have found, it will read (taking economic cost in the country at large) as follows:

Labor of mining iron ore.....	\$2.81
Labor of mining coal.....	1.22
Labor of mining limestone.....	.40
Labor in transportation.....	.40
Labor at furnace and repairs.....	1.91
<b>Total labor.....</b>	<b>6.74</b>
Ordinary allowance of et ceteras.....	3.00
<b>Actual economic cost.....</b>	<b>9.74</b>
Or, bringing et ceteras up to the association's statement.....	11.96

To get the association's result we are obliged to add:

Royalties on ore and profit of ore mining companies.....	\$4.19
Royalties on coal and profit of coal mining companies.....	1.29
Profit on limestone.....	.35
Profit of transportation companies.....	1.38
<b>Total cost.....</b>	<b>19.17</b>
Percentage to labor.....	35 $\frac{1}{2}$
Percentage to railroad.....	7 $\frac{1}{2}$
Percentage to mine owners.....	30 $\frac{3}{4}$

The cost of making pig iron at Middlesboro, England, where free competition has forced on mining companies moderate profits, averages \$8.81 per ton, of which \$7.17 is represented by the raw material used, so that it is plain that the higher cost in this country is caused almost wholly by the rack rent paid to mine owners and to railroads carrying raw materials, and that these two classes are the real beneficiaries of the excessive tariff that, starting with pig as a basis, raises the values of iron and steel products to so high a level that we are shut out from the trade of the world. If, to the actual labor paid for mining the raw material, as given positively by the census—\$1.35 per ton of ore, which the statistics of Mr. Swank tell us averages 55 per cent. metallic iron, and 79 cents per ton of coal, of which 1 $\frac{1}{2}$  tons are used to smelt a ton of pig—and to the labor of transportation, as estimated by the protectionist Iron Age, we add a profit of 20 per cent., the expenses at the furnace itself, and the sundry charges, we find that the real cost of the pig will vary from \$10.50 to \$13, according as the business is conducted under economic management and with improved plant, or the reverse. This exactly agrees with what is known of the cost of producing by such companies as the Thomas, Colebrook, or Cornwall, of Pennsylvania, which mine their own ore, but buy and transport coal at high tariff rates; by the Virginia furnaces, which buy ore comparatively cheap, because there are few of them in relation to the neighboring supply of raw material, and by the furnaces in Alabama and Tennessee, which have the advantage of ore and coal lying side by side, as well as that of being as yet in a position to dictate terms to the land barons who own the mines, even where they must buy their material, instead of digging it on their own property. Both conditions of ownership of mines and proximity of fuel to ore are combined in the case of certain furnaces in the Hocking Valley, Ohio, which it is now said can make iron at a cost of \$10 a ton.



The foregoing statements are brought in here simply to show the difficulty of securing cost of production, when the producers of pig iron, even, cannot agree. The advantage which the Department has had over the parties who made the statements just quoted and the Iron and Steel Association is that the agents of the Department have made up the statements used by it from the books of account, without any desire to reach any other conclusion than that of the exact truth, independent of estimates of individual men. The desire in the statements quoted has no doubt been to reach the truth, but the parties have been obliged to depend in too many instances upon estimates rather than upon actual statements from accounts.

PRODUCTION OF RUN OF FURNACE PIG IRON (BESSEMER AND FOUNDERY) AT A WELL KNOWN ESTABLISHMENT IN GREAT BRITAIN.

[This report is not included in the general tables, page 35, *et seq.*, as it lacks certain features essential in those presentations, notably the aggregates of production for a fixed period. In other respects its fullness is such as to make it valuable. The figures are based on prices prevailing in 1887, and probably would, for 1889, be 10 per cent. higher for all wages paid. The original does not present such an appearance of minute specification in costs. The sums are there given in even pence, shillings, or pounds, and the appearance of extreme exactness is produced by the conversion into United States money. It is a large establishment.]

Furnaces:

Height: From 40 to 60 feet.  
Greatest diameter: From 15 to 18 feet.  
Cubic contents: From 4,120 to 8,730 cubic feet.

Open or closed top: Closed.  
Fore hearth or closed front: Both.

Blowing engines:

Number: Four.  
Diameter of blowing cylinders: From 81 to 120 inches.  
Length of stroke: From 7 to 9½ feet.

Steam boilers, etc.:

Number: Twenty-three.  
Length: From 24 to 30 feet.  
Diameter: From 5½ to 9 feet.  
Total heating surface: 14,112 square feet.  
Kind of hoists used: Vertical.  
Power used to operate hoists: Steam and water balance.

Kind of hot blast apparatus: Pipe stoves.  
Number of hot blast apparatus: Two per furnace.

Extent of use of water power: For one hoist only.

Fuel for blowing engine boilers and hot blast apparatus: Furnace gases wholly.

Coal:

Kind: Raw coal.  
Source of supply: Furnace's own mines.  
Miles distance from works: 5.  
Means of transport: Railway.  
Proportion mined by owners of the furnaces: Nearly all.  
Proportion bought: Trifling.  
Royalty paid to state: Nothing.  
Royalty paid to owners of soil: About 14.2 cents per ton.  
Quantity used per ton of product: 4,256 pounds.  
Labor cost of mining per ton: 97.3 cents.  
Total cost per ton including waste: \$1.46.

Ore:

Kind: Blackband, clayband, and hematite.  
Location of blackband and clayband mines: 10 to 20 miles from furnaces.  
Location of hematite mines: North of England and Spain.  
Means of transport: Rail and sea.  
Proportion mined by owners of the furnaces: 80 per cent.  
Proportion bought: 20 per cent.  
Maximum size after breaking: 8 inches.  
Royalty paid to state: Nothing.  
Royalty paid to owners of soil for clayband: 14.2 cents per ton.

Ore—Concluded.

Royalty paid to owners of soil for blackband: 48.7 cents per ton.

Royalty paid to owners of soil for hematite: 48.7 cents per ton.

Proportions charged for foundry iron: ¼ clayband, ½ hematite, ¾ blackband.

Proportions charged for Bessemer iron: ½ English, ½ Spanish.

Ore roasted: Clayband.

Coal for roasting per ton of ore: 28 pounds.

Quantity used per ton of product: 4,032 pounds.

Labor cost per ton of mining blackband: \$2.19.

Labor cost per ton of mining hematite: \$1.07½.

Total cost per ton including waste: \$3.59.

Pure limestone:

Source of supply: Furnace's own mines.

Average distance from quarries to works: 24 miles.

Means of transport: Railway.

Proportion quarried by owners of furnaces: All.

Proportion bought: None.

Maximum size after breaking: 6 inches.

Royalty paid to state: Nothing.

Royalty paid to owners of soil: 8.1 cts. per ton.

Quantity used per ton of product: 784 pounds.

Labor cost per ton of quarrying: 48.7 cents.

Total cost per ton including waste: \$1.213.

Concerning workmen:

Masons: 1, at \$7.54, weekly.

Carpenters: 8, at \$4.87 to \$5.84, weekly.

Smiths: 7, at \$1.87 to \$5.84, weekly.

Machinists: 9, at \$5.35 to \$6.33, weekly.

Patternmakers: 2, at \$5.60 to \$8.03, weekly.

Moulders: 12, at \$4.38 to \$5.84, weekly.

At blowing engines: 97.2 cents per shift.

At other engines: 77.1 cents per shift.

At locomotives: 79.1 cents to \$1.034 per shift.

Firemen: 64.9 cents to 73 cents per shift.

Boiler menders: 91.2 cents per shift.

Unloaders: 11, at 61.9 cents per shift.

Engineers: 97.3 cents per day.

Founders: 97.3 cents per day.

Keepers: 93.3 cents per day.

Helpers: 71 cents per day.

Fillers: 81.1 cents per day.

Laborers: 54.7 cents per day.

Men and carts moving material from unloading place to furnace: None; fillers charge railroad cars with barrows.

Ore breakers: Two.

Limestone breakers: None; broken by machine at mine.

## Concerning workmen—Concluded.

Bottom fillers per shift per furnace: Two.  
 Top fillers per shift per furnace: Bottom fillers go to top.  
 Moulders: One boy per shift to two furnaces.  
 Running the cinder: One per shift.  
 Running the iron: Fillers and keepers assist.  
 Additional men at Bessemer furnace to remove iron from beds: Two per furnace.  
 Additional men at foundry furnace to remove iron from beds: One per furnace.  
 Average wages of such men: 93.3 cts. per shift.  
 Hot blast stove tenders: 2 per shift, at \$4.14, weekly.  
 Yard laborers: 4 per shift, at \$3.28, weekly.  
 Other yard laborers: 10 to 14, at \$3.28, weekly.  
 Laborers at cinder dump: 4, at \$3.41, weekly.  
 Platelayers: 16, at \$3.65, weekly.

## Miscellaneous data:

Shifts per week: Seven.  
 How iron is run: Into sand moulds.  
 How cinder is removed: In iron bogies.  
 Distance cinder is hauled from furnace to dump: About half a mile.  
 Weight of cinder per ton of product: 1,680 pounds.

## Miscellaneous data—Concluded.

Distance from furnace to shipping point: 10 to 20 yards.  
 Handlings from pig beds until ready for removal from works: One, with barrows onto trucks.  
 Method of weighing: On barrows, and checked on trucks.  
 Cost of labor per ton of product: 60.8 cents.  
 Cost of repairs per ton of product (including all that can be made without blowing out): 4 cents.  
 Cost of supplies per ton of product: 12.2 cents.  
 Cost of depreciation of plant per ton of product: 24.3 cents.  
 Cost of officials and clerks per ton of product: 12.2 cents.  
 Cost of taxes per ton of product: 4.1 cents.  
 Cost of general expenses per ton of product: 12.2 cents.  
 • Average annual production per man (excluding office force): 460 tons.  
 Wages per ton of iron of employes directly connected with furnace: 52.7 cents.

## CHEMICAL ANALYSIS OF IRON ORES (PER CENT.) USED AT THE ABOVE PIG-IRON WORKS.

	Ironstone.		Hematite.	
	Blackband.	Clayband.	English.	Spanish.
Iron .....	52.00	42.00	58.00	52.00
Phosphorus .....	.50	1.00	.01	.02
Sulphur .....	.20	.20	.02	.02
Silica .....	7.00	12.00	10.00	7.00
Water .....	5.00	5.00	7.00	8.50

## CHEMICAL ANALYSIS OF RAW COAL USED AT THE ABOVE PIG-IRON WORKS.

Carbon .....	57.00
Volatile combustible matter .....	35.00
Water .....	5.00
Ash .....	3.00

## CHEMICAL ANALYSIS OF PURE LIMESTONE USED AT THE ABOVE PIG-IRON WORKS

Lime .....	53.80
Magnesia .....	1.13
Alumina .....	.80
Silica .....	.88

## ELEMENTS OF COST IN ONE TON OF PIG IRON AT THE ABOVE WORKS.

[The iron produced is partly Bessemer and partly foundry.]

Elements of cost.	Cost.
<b>Materials:</b>	
Ore .....	\$6.460
Scrap .....	
Limestone .....	.426
Coke .....	
Coal .....	2.774
<b>Other elements:</b>	
Labor .....	.608
Officials and clerks .....	α.122
Supplies and repairs .....	.162
Taxes .....	.041
General expenses .....	α.122
Total cost of one ton .....	10.715
<b>Theoretical elements (additional):</b>	
Insurance .....	(α)
Interest .....	.081
Depreciation of value of plant .....	.243
Total cost of one ton, including theoretical elements .....	11.039

α Insurance and a part of the expense of administration are included under general expenses.

## COST OF BESSEMER PIG IRON AT ANOTHER ESTABLISHMENT IN ENGLAND.

[The report of this establishment was received too late for incorporation in the general tables, page 35, *et seq.*; therefore the essential facts are presented here. The data are based on the total production of the first half of the calendar year 1889.]

## PROPORTIONS OF MATERIALS CHARGED INTO THE FURNACE.

Materials.	Tons charged per ton of product.	Cost of materials per ton of 2,240 pounds.
Ore .....	1.712	\$2.934
Cinder, scrap, etc. ....	.080	1.590
Limestone .....	.448	.588
Coke .....	1.046	4.044
Coal (anthracite) .....	.058	3.024

## COST OF ONE TON OF 2,240 POUNDS.

Elements of cost.	Cost.
<b>Materials:</b>	
Ore .....	\$5.024
Cinder .....	.128
Limestone .....	.264
Coke .....	4.229
Coal (anthracite) .....	.175
Total .....	9.820
<b>Other elements:</b>	
Labor .....	.730
Officials and clerks .....	.042
Supplies and repairs .....	.418
Taxes .....	.020
Total .....	11.030
<b>Theoretical elements of cost:</b>	
Interest, depreciation of value of plant, and selling agents' expenses .....	.385
Total cost including theoretical elements .....	11.415

## LABOR COST PER TON OF MAKING PIG IRON AT A WELL KNOWN WORKS IN GREAT BRITAIN.

The following table covers labor cost of pig iron in one of the best known iron producing establishments of Great Britain for a series of years. These exhibits were made up for the private information of the head of the firm, and they may be considered perfectly trustworthy. By labor cost is meant the cost of conversion after the assemblage of the materials:

## LABOR COST PER TON OF MAKING PIG IRON AT A WELL KNOWN WORKS IN GREAT BRITAIN.

	1877.	1878.	1879.	1880.	1881.	1882.	1887.	1888.	1880.	1890.
January .....	\$1.0798	\$0.9448	\$0.8695	\$0.9180	\$0.9393	\$0.9722	\$0.8195	\$0.6994	\$0.7177	\$0.8031
February .....	1.0537	1.0073	.8412	1.0285	1.0149	.9859	.8922	.6495	.6806	.7191
March .....	1.0214	.9641	.8345	1.0334	.9092	.9429	.8171	.6349	.6569	.7621
April .....	1.0161	.9381	.8222	.9149	.9019	.9103	.7562	.6631	<i>a</i> .7895	<i>a</i> .8979
May .....	.9936	.8475	.8916	.9226	.9553	.9162	.7647	.6686	.6899	.....
June .....	.9561	.9030	.8362	.9342	.9995	.9478	.7554	.6513	.7173	.....
July .....	.9926	.9121	.8086	.9641	.9395	.9324	.7870	.7842	.7318	.....
August .....	1.0056	.9796	.7844	.9476	.9237	.8605	.7700	.6611	.7304	.....
September .....	.9948	.9334	.8453	.9851	.9671	.9344	.7402	.7252	.7217	.....
October .....	.9734	.9261	.8203	.9553	.9358	( <i>b</i> )	.7874	.7367	.7258	.....
November .....	1.0350	.9517	.8605	.9346	.8885	( <i>b</i> )	.7256	.6793	.7899	.....
December .....	.9503	.8282	.9267	.9622	.9387	( <i>b</i> )	.7558	.6964	.7281	.....
Average ...	1.0060	.9280	.8451	.9584	.9428	.9336	.7810	.6875	.7228	.8031

*a* The cost was increased by unusual repairs.

*b* The books containing costs for this month were lost or mislaid.



## ROYALTIES.

American iron producers are not subjected to government royalties upon iron ore, as are some of their competitors abroad, and where they have to pay royalties to the owners of the mines they are not subjected to such high charges as are British iron masters. In the course of a hearing before a royal commission appointed to inquire into the question of royalties, dead rents, and way leaves, Mr. William Barrow Turner, a gentleman largely interested in the two principal iron ore mines in the county of Cumberland, stated that at the price of 10 shillings at the pit's mouth, the charge for royalty and underground way leave would be 2 shillings per ton; and Mr. William Kellest, mining engineer, of Wigan, and manager of the iron ore mines of the Barrow Hematite Iron and Steel Company, stated to the commission as follows:

I would like to point out with reference to the sliding scale commencing with 8 shillings, that up to 10 shillings one-eighth of the selling price is paid; after 10 shillings it is a seventh and a half of a seventh; that is to say, it is 13.3 per cent.; when it is 15 shillings it is one-fifth, or 20 per cent.; and when it gets to 18 shillings, it is one-fourth, or 25 per cent. So that then a lessor receives 25 per cent. of the selling price of the ore.

The Colliery Guardian, of London, in speaking of these royalties, says that the landlord's royalty on 600 tons of pig iron produced in one week amounted to 202 pounds sterling, while the wages of the employes on the same quantity of pig iron were 95 pounds sterling, and that a Cunard steamship, on a trip across the Atlantic and back, consumed 4,125 tons of coal, which involved a royalty to the mine of £206 5s.

These excessive royalties result in a constant agitation among the iron producers of Great Britain, and as the royalties vary in different places they are a disturbing element in arriving at true cost of production (*a*).

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*a* ROYALTIES IN DIFFERENT COUNTRIES.

[Compiled with some abbreviation from the Annual for 1891 of the Co-operative Wholesale Societies of England and Scotland.]

*United States.*—In the United States minerals belong to the owner of the soil and mineral lands are subject to the same taxation as other lands, but no government royalties are levied; royalties, however, may be paid to the owner by those working mines.

*England.*—In England the land owner does not, as a rule, work the minerals in his estate; he leases the right of mining to others, reserving certain royalties or money payments. The length of lease, amount of royalties, and conditions imposed on the lessee vary in different localities, but all payments are usually proportionate to the amount of minerals obtained. The modern practice of levying a royalty for every ton of ore obtained, instead of per acreage, was introduced very gradually.

In England there are several taxes or payments which must be made where mines are not worked by the owner, but by lessees. They are: (*a*) Royalties, which are payments made to a land owner for permission to enter on his lands and take away mineral ore, such payment depending on the amount of ore worked. The amount of ore is calculated by the ton, as in Northumberland, or by the foot or by the acre, as in Yorkshire. (*b*) Dead rents. The sum agreed upon must be paid whether the mine be worked or not. In order to secure the due working of the mine, the land owner inserts in the lease a condition that he is in each year to receive not less than a certain sum in royalties; and this sum must be paid whether the mine be worked



## PRICES OF IRON IN THE UNITED STATES AND GREAT BRITAIN.

The following tables are introduced for the purpose of enabling any one who desires to ascertain the prices of pig iron and other material at different times and in different countries. The first two show

or not. In some districts, however, where the lessee pays rents for mineral that he does not obtain, he is allowed to work an equivalent amount of mineral in subsequent years without paying a royalty, provided that the total royalty paid is not less than the minimum. Five years is the usual time allowed for this purpose. (c) Way leaves. So long as the lessee of a mine can convey his ore to a railway or to a port without crossing land in the ownership or in the occupation of some one else, the only payments he has to make are the royalties due to the owner of the mine; but if it is necessary to go through another mine or over lands belonging to a third party, something has to be paid for the right of way. When a lease is granted the landlord usually stipulates that the lessee shall not bring ore from another mine, through the leased mine, without an additional royalty being paid.

The royalties in England on ironstone are as follows, though these royalties in some districts vary with prices [the incongruity in the figures for North Lincoln ironstone appears in the original]:

	Maximum.	Minimum.	Average.
	s. d.	s. d.	s. d.
Cumberland ironstone.....	0 6	0 4	0 5
Cumberland hematite.....	2 8	1 3	1 9
North Lancashire hematite.....	3 9	0 7½	1 5
Northamptonshire and North Staffordshire ironstone.....	0 6	0 2½	0 4
Cleveland ironstone.....	0 10	0 3	0 5
North Lincoln ironstone.....	1 0	0 10	0 6
West of Scotland.....	1 3	0 3	0 6
Fife and Lothians blackband.....	2 6	1 0	1 6
Fife and Lothians clayband.....	1 0	0 4	0 5

In Cumberland the royalty on hematite iron ore always varies with prices. A minimum royalty of 1s. 6d. to 2s. per ton is fixed to cover all mineral worked when the selling price f. o. b. is under, say, 10s. to 12s. a ton. Above this price the royalty varies, so as to give the landlord about one-third of the selling price. In North Lancashire the sliding scale gives the landlord about one-sixth of the value of the ironstone, whilst in Scotland ironstone used in the manufacture of pig iron varies with the selling price of such pig iron.

As a rule, it is estimated that out of the price realized for a ton of coal at the pit mouth 50 to 60 per cent. goes directly to the miners.

As regards ironstone, Mr. J. D. Kendall estimates that wages and royalties vary with the price of iron ore, as follows:

Price of ore.	Percentage of price that is received by—		
	The miner.	The lessor.	The lessee.
9s.....	40	22	14
10s. 6d.....	35	19	21
12s.....	33	17	28
18s.....	24	20	39

*France.*—Under laws passed in 1789 and 1810, the state acquired complete control over all minerals, but it is not regarded as the owner of any property in a mine. The state has only the power to grant the right to work the minerals, subject to the payment of dues. No mines can be worked without a concession granted by the state authority, such concession conferring on the grantee the perpetual ownership of the mines, independent of and separate, however, from that of the surface. The owner of the mine can sell it or lease it, and on his death it descends to his heirs. The owner after he has obtained the concession to the mine is required to make to the owner of the surface certain payments, which are either proportional to the gross yield of the mine or are fixed in amount.

In the basin of the Loire, the proportional payments are from 4½d. to 6½d. per ton; in

the average monthly prices per ton of 2,240 pounds of pig iron in Pennsylvania, from 1887 to 1890, inclusive, and the prices per ton of 2,240 pounds of No. 1 anthracite foundry pig iron at Philadelphia since 1842. These are drawn from the valuable reports of Hon. James M. Swank,

other Aveyron districts it is much less. In the case of fixed payments, the amount varies from  $\frac{1}{4}d.$  to  $\frac{1}{2}d.$  per acre, though in exceptional cases they are much higher.

Apart from payments to the surface owner, the following payments have to be made to the state:

(1) A yearly rent of  $10d.$  per square kilometre, a kilometre being equivalent to 1,093 yards.

(2) A fixed annual rent of 5 per cent. on the net produce of the mine.

(3) One penny additional for every  $10d.$  paid, in order to form a relief fund for those injured by accident in mines.

Sir Isaac Lothian Bell considers that 5 per cent. on the net produce is equivalent to a royalty of about  $1\frac{1}{4}d.$  per ton. If, however, the concessionaire, instead of working the mine himself lets it out to others, his position is that of an English landlord, and the lessee, in addition to the above payments, will have to pay a competitive rent to the concessionaire.

*Belgium.*—In Belgium the mining law is based on the French legislation. Every person who acquires a right of mining is required to pay to the state the following taxes:

(1) A fixed tax of  $10d.$  per annum for each square kilometre of the area granted.

(2) A tax of  $2\frac{1}{2}$  per cent. of the net produce.

(3) A small additional percentage on the above two taxes towards the expenses of the mining department.

*Spain.*—In Spain any person may apply to the governor of a province for permission to work minerals in a specified plot of ground. The application is advertised, and if there is no opposition the grant will be made of the right of mining in perpetuity. The sole condition annexed to the grant is that the grantee will pay a surface rent equivalent to  $1s. 5d.$  per acre for ironstone and  $3s. 6d.$  per acre for other minerals, and 1 per cent. on the gross production of the mine. The grantee, however, does not, as a rule, work the minerals himself; he sells his right, or he leases it at a royalty per ton. The grantee, in fact, takes the position of the landlord in England, and exacts as high a royalty as he can obtain. In old leases the royalty varies from  $8d.$  to  $2s.$  per ton, and at present the royalty is sometimes as high as  $3s. 6d.$  per ton on ore that is worth  $10s.$  per ton f. o. b. It may be added that Spain reserves the right of granting a title to minerals apart from the surface, not only as regards coal and iron, but also as regards such substances as asphalt, pitch, bitumen, and petroleum; whilst all minerals of an earthy nature, such as slate, limestone, marls, etc., are granted to the owner of the surface.

*Germany.*—In Prussia no royalties are levied by the state on iron mines; all other mines, as a rule, pay 2 per cent. on the value of the produce at the time of output. All mines, however, must contribute to the miners' benefit fund, which provides assistance to miners in the case of illness or accident. The owner of the mine must also compensate the surface owner for any damage he causes to the surface. But, apart from these minor payments, all iron mines granted by the state are free from royalties, whilst coal and other mines pay the above 2 per cent. Sir Lothian Bell regards this 2 per cent. as equivalent to a royalty of  $1\frac{1}{4}d.$  per ton on coal sold at  $6s.$  per ton. There are, however, private mines in Prussia, and the owners of such mines obtain the best rent they can for the privilege of working. As a rule the royalty is one-tenth of the gross produce, but of late years the difficulty of competing with mines that only pay 2 per cent. of their produce has had the result of reducing the royalties in private mines. Private mines are liable to contribute to the state 1 per cent. towards the expenses of the mining department of the government.

*Austria.*—In Austria all minerals are reserved to the state. Any person can obtain a permit to search for minerals in a specified area, and if minerals are found one or more "free diggings" may be obtained. If the miner can come to terms with the proprietor of the surface land, arbitrators are appointed to fix the price to be paid. For each digging of 424 metres diameter the miner pays an annual tax of about  $6s. 8d.$ . For the actual working of each mine of 3,597 square metres, 4 florins have also to be paid.

*Sweden and Norway.*—In Sweden a right to minerals can only be acquired from the state, and the small fixed sum of  $10s. 10d.$  is paid when the grant is made. No royalty is exacted, and the only tax paid is the ordinary income tax.

In Norway similar rules prevail, but the owner of the ground may claim one-tenth share in a mine on his property. No tax is paid for the right of mining, except in the case of alluvial gold.

secretary of the American Iron and Steel Association, and are interesting to consider in connection with the various tables of cost of production.

AVERAGE MONTHLY PRICES PER TON OF 2,240 POUNDS OF PIG IRON AT PHILADELPHIA AND PITTSBURGH, PENNSYLVANIA.

Month.	No. 1 anthracite foundry pig iron, at Philadelphia.	Gray forge pig iron, at Philadelphia.	Gray forge pig iron, lake ore mixed, at Pittsburgh.	Bessemer pig iron, at Pittsburgh.
1887.				
January .....	\$21.50	\$18.50	\$20.50	\$21.55
February .....	21.50	19.60	21.00	22.65
March .....	21.00	19.00	20.50	22.85
April .....	20.75	18.50	20.25	22.70
May .....	20.85	18.00	19.00	21.25
June .....	21.00	17.85	18.50	21.25
July .....	21.00	17.60	18.50	22.00
August .....	21.00	17.25	18.50	21.60
September .....	21.00	17.00	18.50	21.15
October .....	20.50	17.00	18.25	20.65
November .....	20.50	17.00	17.75	19.75
December .....	20.50	16.75	17.00	19.00
1888.				
January .....	21.00	16.75	17.00	18.10
February .....	20.75	17.00	16.75	17.80
March .....	20.50	17.00	16.50	17.35
April .....	19.75	16.50	15.65	17.25
May .....	18.50	16.00	15.50	16.55
June .....	18.00	15.75	15.25	16.65
July .....	18.00	15.75	14.75	17.10
August .....	18.00	15.75	15.00	17.15
September .....	18.00	16.00	16.25	17.95
October .....	18.00	16.00	16.50	18.00
November .....	18.00	16.00	16.50	17.50
December .....	18.00	16.00	16.25	17.15
1889.				
January .....	18.00	15.50	15.50	16.75
February .....	18.00	15.25	14.75	16.35
March .....	18.00	15.25	15.00	16.50
April .....	17.35	15.00	14.25	16.25
May .....	17.00	14.75	14.00	16.00
June .....	17.25	14.90	14.00	16.00
July .....	17.25	15.00	14.15	16.35
August .....	17.50	15.25	14.90	17.50
September .....	17.50	15.25	15.50	18.00
October .....	17.50	15.60	16.60	20.75
November .....	18.50	16.75	17.25	21.75
December .....	19.25	17.25	18.25	23.75
1890.				
January .....	19.90	17.90	18.00	23.60
February .....	19.50	17.38	18.00	22.55
March .....	19.25	17.00	17.00	20.25
April .....	18.25	16.10	15.35	17.85
May .....	18.00	15.65	15.25	17.55
June .....	18.00	15.50	15.25	19.00
July .....	18.00	15.25	15.25	18.62
August .....	18.00	15.10	15.25	18.10
September .....	18.00	15.00	15.25	18.00
October .....	18.00	15.00	15.00	17.35
November .....	18.00	15.00	15.00	17.00
December .....	18.00	15.00	14.75	16.60



## AVERAGE PRICES PER TON OF 2,240 POUNDS OF NO. 1 ANTHRACITE FOUNDRY PIG IRON AT PHILADELPHIA, PENNSYLVANIA.

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average.
1842					\$27	\$27	\$26½	\$24½	\$25½	\$25	\$25	\$25	
1844	\$24	\$24	\$24	\$24	24	26½	26½	26½	27½	28	27½	26½	\$25½
1845	26½	26½	27½	33½	34½	33	31	28½	27	26½	28½	28	29½
1846	28	28	28½	28	28½	28	29	26½	27½	27	28½	28½	27½
1847	28½	28½	28½	29	29	28½	28	28½	30½	33½	35½	33½	30½
1848	31	28½	27½	26½	26½	26½	25½	25½	25½	25	25	24½	26½
1849	25	24½	24½	24	23½	23	22½	22½	21½	21½	20	21	22½
1850	21	21	20½	20½	20½	20½	20	20½	21	21½	21	21½	20½
1851	21½	22	22	22	21½	21	21	21	21	21	21	21	21½
1852	21½	21½	20½	20½	20½	20½	20½	21½	23½	26½	27½	22½	22½
1853	32½	36½	37½	35½	35½	36	36	36	36½	37½	37½	36½	36½
1854	37	36½	37	38	38	38	38	38	37½	36½	35½	32½	36½
1855	31½	29½	27½	26½	26½	26½	26½	26½	28	28½	28½	27½	27½
1856	27½	27½	27½	28	28	27½	27	27	27	26½	26	26	27½
1857	26½	26½	26½	27½	27½	27½	27½	26½	26½	25½	23½	23½	26½
1858	22½	22½	22½	22½	22½	22½	21½	21½	22	21½	21½	22½	22½
1859	22½	22½	22½	22½	22½	22½	22½	22½	22½	22½	22½	22½	22½
1860	23	23	23½	23½	23½	23½	23	23½	22½	23½	23½	23½	23½
1861	22½	21½	21½	21½	21½	20½	19½	18½	18½	18½	18½	19½	20½
1862	20	20	20½	21½	21½	22½	24	24½	24½	25½	30½	31½	23½
1863	32	33½	35½	36	34½	33½	32½	31½	33	35½	41½	43½	35½
1864	43½	48½	50½	54½	57½	57½	69½	73½	72½	63½	61½	59½	59½
1865	58½	58½	50½	45½	39½	35	35½	40½	44½	49½	51	50½	46½
1866	50½	49	46½	41½	41½	43½	46½	47½	48½	48½	49½	49½	46½
1867	48½	46½	44½	41	42½	43	43½	44	44½	44½	43½	42½	44½
1868	38½	36½	37½	38½	37	37	38½	39½	40½	41½	42½	43½	39½
1869	42	40½	41½	40	39½	40½	41½	41½	40½	40½	39½	39½	40½
1870	36½	34½	34½	33½	33½	32½	32½	33½	33½	32½	31½	31½	33½
1871	30½	30½	34½	35½	35½	35	35½	36	36½	36½	37½	37½	35½
1872	37	40½	47	49½	49½	53½	51½	52½	53½	53½	51½	47½	48½
1873	45½	48	48½	47½	46	45	43½	43½	42½	38	33	32½	42½
1874	32	32	32	32	31½	31½	31½	31	29½	29	26½	24	30½
1875	25½	26½	27	27	26	26	26	26	25	24	23½	23½	25½
1876	23½	23	23	22½	22	22	22	22	21½	21½	21½	21½	22½
1877	20½	20	20	19½	19	18½	18½	18	18½	18½	18	18	18½
1878	18½	18½	18½	18½	18	17½	17½	17½	17½	17	16½	17	17½
1879	17½	17½	17½	18	18½	18½	19½	20½	24½	30	28	30½	21½
1880	40	41	37½	31	25	23	23½	25	23½	23	24½	25	28½
1881	25	25½	26	25	25	24	24½	24½	25½	25½	25½	26	25½
1882	26	26	25½	25½	25½	25½	25½	25½	26	26½	26	25½	25½
1883	25	24½	24	23½	22	21	21½	22	22	21½	21	21	22½
1884	20½	20½	20½	20	20	20	20	19½	19½	19½	19½	18½	19½
1885	18	18	18	18	17½	17½	17½	17½	18	18½	18½	18½	18
1886	18½	18½	18½	18½	18½	18½	18½	18½	18½	19	19½	20	18½
1887	21½	21½	21	20½	20½	21	21	21	21	20½	20½	20½	21
1888	21	20½	20½	19½	18½	18	18	18	18	18	18	18	18½
1889	18	18	18	17½	17	17½	17½	17½	17½	17½	18½	19½	17½

## MARKET PRICE OF IRON PER TON IN GREAT BRITAIN.

[From the Economist (London) Monthly Trade Supplement of November 15, 1890.]

Date.	Scotch pig.	Cleveland bars.	Date.	Scotch pig.	Cleveland bars.	Date.	Scotch pig.	Cleveland bars.
1888.			1889.			1890.		
Jan. 7	\$10.40	\$23.72	Jan. 4	\$10.10	\$24.94	Jan. 3	\$15.72	\$38.93
Feb.			Feb. 2	9.94	24.94	Feb. 1	12.65	38.93
Mar. 3	9.27	23.72	Mar. 1	10.40	24.94	Mar. 1	12.68	37.72
April			Apr. 6	11.01	28.10	Apr. 1	12.17	34.07
May			May 4	10.73	27.98	May 2	11.23	31.63
June 8	9.19	23.12	June 8	10.46	26.77	June 5	10.71	27.98
July			July 6	10.67	26.77	July 4	11.23	27.98
Aug. 4	9.40	22.51	Aug. 3	11.13	29.20	Aug. 1	11.19	27.37
Sept. 8	10.12	24.33	Sept. 10	11.31	29.20	Sept. 5	11.92	29.20
Oct. 5	9.92	24.33	Oct. 5	12.43	29.81	Oct. 3	11.08	29.20
Nov. 2	10.14	24.94	Nov. 2	13.73	35.28	Nov. 1	12.61	29.20
Dec. 7	10.16	24.94	Dec. 6	14.32	42.58			



The following statement and table relative to the prices of lake Superior iron ore are taken from the report of the American Iron and Steel Association, prepared by Hon. James M. Swank, secretary.

The subjoined table gives the prices at which lake Superior iron ore has been sold during the last seven years for season contracts, delivered at Cleveland, contracts having been made early in the year, except in 1888, when season prices were not fixed until May. It will be noticed that prices for 1890 are much higher than for 1888 or 1889. To furnace owners who were compelled to purchase ore in the last two or three months of 1889 prices were higher than the figures given in the table, but with the exceptions mentioned contracts for 1889 were made substantially at the quoted figures; indeed it is said that a majority of the contracts for 1890 were made in December, 1889. Prices for 1888 fluctuated above and below the figures given in the table, and in 1887 the spring prices given in the table were not maintained throughout the year. The prices given are per ton of 2,240 pounds.

PRICES OF LAKE SUPERIOR IRON ORE.

Ores.	1884.	1885.	1886.	1887.	1888.	1889.	1890.
Republic and Champion No. 1 .....	\$6.00	\$5.75	\$6.25	\$7.00	\$5.75	\$5.50	\$6.50
Barnum, Cleveland, and lake Superior specular No. 1.	5.75	5.00	5.50	6.50	5.25	5.00	6.00
Chapin and Menominee No. 1 .....	5.25	4.75	5.25	6.00	4.75	4.50	5.50
Vermilion district, No. 1 Bessemer .....	4.75	5.00	5.75	6.75	5.75	5.50	6.50
Gogebic district, first quality Bessemer .....	5.00	5.00	5.00	6.00	4.75	5.00	6.00
Hematites No. 1, non-Bessemer .....	4.50	4.00	4.50	5.00	4.00	3.75	4.50



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MUCK BAR IRON.

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## MUCK BAR IRON.

As far as possible the presentation of facts relating to the cost of producing muck bar iron has been made to conform to the presentation under pig iron. The titles of the tables and sub-tables are here shown:

TABLE II.—*Cost of Production of Muck Bar Iron at Various Establishments in Various States.*

- A.—Period covered and quantity of product.
- B.—Quantity and cost of materials used.
- C.—Proportions of materials used.
- D.—General statement of cost for the period.
- E.—Elements of cost in one ton of 2,240 pounds.
- F.—Per cent. of each element of cost in one ton of 2,240 pounds.
- G.—Additional cost of certain theoretical elements.
- H.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

As the basis of muck bar iron is pig metal, which has been so fully analyzed, the table showing the cost of production of muck bar iron need not be considered at length.

In sub-table A the days of running time are days of two turns each, except in the cases noted as working only one turn. The general rule is that the establishments work two turns during each of the first five days of the week, one turn on Saturday and are idle on Sunday. In order to show the daily production on full time the time has been reduced to days of two full turns each except in those mills which are never operated at night.

As will be noticed there is a wide divergence in daily output between establishments having the same number of puddling furnaces. This is accounted for by the fact that the number of puddling furnaces reported is the actual number possessed by the establishment, and very frequently exceeds the number in operation at one time.

Sub-tables B and C, relating to the kind and cost of materials used are important in connection with the cost of product, for they furnish the explanations for differences in the cost of materials per ton of product, and also and especially, for differences between labor costs in the same locality, for the price paid for puddling scrap is invariably less than that paid for puddling pig iron, and as a consequence, muck bar iron made wholly or largely from scrap will show a smaller labor cost than if it were made from pig iron.

TABLE II.—COST OF PRODUCTION OF **MUCK BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES.

## A.—PERIOD COVERED AND QUANTITY OF PRODUCT.

Es- tab- lish- ment num- ber.	Locality.	Period covered.		Muck bar iron produced (tons of 2,240 pounds).		Number of—	
		Terminal dates.	Days of run- ning time.	Total.	Per day.	Pud- dling fur- naces.	Trains of rolls.
1	United States .....	Jan. 5, 1889, to Jan. 4, 1890	270	26,599	99	47	2
2	do .....	July 1, 1889, to Dec. 31, 1889	120	1,400	12	6	1
3	do .....	Feb. 1, 1889, to Jan. 31, 1890	98	2,149	22	12	1
4	do .....	Sept. 1, 1889, to Nov. 30, 1889	72	4,321	60	20	1
5	do .....	Nov. 1, 1889, to Jan. 31, 1890	27	1,656	61	(a)	1
6	do .....	Dec. 1, 1889, to Dec. 31, 1889	24	480	20	8	1
7	do .....	Jan. 1, 1889, to June 30, 1889	89	3,278	37	19	2
8	do .....	July 1, 1888, to June 30, 1889	242	8,347	34	12	1
9	do .....	July 1, 1888, to June 30, 1889	205	7,657	37	8	1
10	do .....	July 1, 1888, to June 30, 1889	253	13,530	53	24	1
11	do .....	July 21, 1888, to Aug. 3, 1889	229	4,545	20	8	1
12	do .....	Aug. 1, 1888, to July 31, 1889	186	2,222	12	4	1
13	do .....	Jan. 1, 1889, to Dec. 31, 1889	256	8,886	35	16	1
14	do .....	Jan. 1, 1889, to Dec. 31, 1889	281	38,258	136	16	1
15	do .....	Jan. 1, 1889, to Jan. 31, 1890	281	7,683	27	12	1
16	do .....	Jan. 1, 1889, to Dec. 31, 1889	(b)	(b)	(b)	(b)	(b)
17	do .....	Jan. 1, 1888, to Dec. 31, 1888	149	9,926	67	33	1
18	do .....	July 1, 1888, to June 30, 1889	182	16,240	89	34	1
19	do .....	Nov. 1, 1888, to Oct. 31, 1889	c 290	2,150	c 7	6	1
20	do .....	Jan. 1, 1889, to Dec. 31, 1889	232	6,975	30	12	1
21	do .....	Jan. 1, 1889, to Dec. 31, 1889	281	9,800	35	16	2
22	do .....	Jan. 1, 1889, to June 30, 1889	140	8,827	63	32	1
23	do .....	June 3, 1889, to June 16, 1889	11	252	23	10	1
24	do .....	July 1, 1889, to Oct. 31, 1889	89	3,000	34	16	1
25	do .....	July 1, 1888, to June 30, 1889	236	8,131	34	20	1
26	do .....	Feb. 1, 1889, to Jan. 31, 1890	188	9,050	48	23	1
27	do .....	Jan. 1, 1890, to Mar. 31, 1890	70	3,462	49	24	1
28	Continent of Europe	Jan. 1, 1889, to Dec. 31, 1889	300	29,964	100	25	1
29	do .....	(b)	(b)	(b)	(b)	(b)	(b)
30	do .....	Oct. 1, 1889, to Dec. 31, 1889	75	2,835	38	9	1
31	do .....	Apr. 1, 1889, to June 30, 1889	(b)	6,004	(b)	(b)	(b)
32	do .....	July 1, 1889, to Sept. 30, 1889	(b)	6,777	(b)	(b)	(b)
33	do .....	Oct. 1, 1889, to Dec. 31, 1889	(b)	7,062	(b)	(b)	(b)
34	do .....	Jan. 1, 1888, to Dec. 31, 1888	(b)	(b)	(b)	(b)	(b)
35	Great Britain .....	Apr. 1, 1888, to Sept. 29, 1888	109	4,710	43	30	3
36	do .....	Jan. 1, 1889, to Dec. 31, 1889	275	20,303	74	33	1
37	do .....	Jan. 1, 1889, to June 30, 1889	143	12,902	90	35	1
38	do .....	July 28, 1889, to Aug. 3, 1889	6	165	28	11	1

a There are no puddling furnaces; the product was made entirely from scrap which was reheated only.

b Not reported.

c Only one turn per day is worked in this establishment.

TABLE II.—COST OF PRODUCTION OF MUCK BAR IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## B.—QUANTITY AND COST OF MATERIALS USED.

[Establishments numbers 1 to 27 are in the United States; numbers 28 to 34 are on the continent of Europe; and numbers 35 to 38 are in Great Britain.]

Es- tab- lish- ment num- ber.	Tons of 2,240 pounds.				Cost.				
	Pig iron.	Scrap.	Ore.	Other.	Pig iron.	Scrap.	Ore.	Other.	Total.
1	a 27,955	(a)	(b)	-----	a \$292,394	(a)	\$72,620	-----	\$365,014
2	1,185	200	400	-----	20,785	\$2,240	2,400	-----	25,425
3	2,364	-----	321	-----	33,511	-----	1,500	-----	35,021
4	1,791	2,894	467	-----	25,507	44,815	1,668	-----	71,990
5	-----	1,832	-----	-----	-----	36,330	-----	-----	36,330
6	521	-----	96	-----	8,336	-----	672	-----	9,008
7	3,390	7	1,475	-----	57,821	71	5,900	-----	63,792
8	9,998	-----	1,114	-----	139,892	-----	7,800	-----	147,692
9	9,188	-----	307	-----	134,401	-----	2,150	-----	136,551
10	11,977	3,083	2,095	-----	170,119	60,298	15,720	-----	246,137
11	3,916	946	870	-----	58,614	13,662	5,890	-----	78,166
12	2,333	-----	135	-----	33,828	-----	920	-----	34,748
13	8,649	465	2,378	-----	124,457	5,731	13,154	-----	143,342
14	36,270	5,536	2,250	-----	518,469	122,760	11,486	-----	652,715
15	6,573	1,822	1,483	-----	100,228	28,867	10,363	-----	139,458
16	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
17	9,876	221	2,130	-----	161,843	3,630	14,153	-----	179,626
18	16,420	1,043	4,138	-----	247,942	22,426	23,300	-----	293,668
19	2,175	-----	498	-----	33,713	-----	2,990	-----	36,703
20	7,045	-----	2,329	-----	107,014	-----	11,645	-----	118,659
21	5,600	5,670	2,450	-----	91,000	73,710	14,700	-----	179,410
22	8,827	-----	2,000	-----	125,500	-----	10,000	-----	135,500
23	252	-----	56	-----	3,780	-----	363	-----	4,143
24	3,268	-----	412	-----	50,652	-----	2,370	-----	53,022
25	8,399	882	1,047	-----	124,305	13,418	6,282	-----	144,005
26	9,435	-----	1,914	-----	143,762	-----	12,039	-----	155,801
27	2,507	1,279	1,098	-----	31,341	12,968	5,105	-----	49,414
28	34,959	-----	(b)	-----	342,768	-----	2,274	-----	345,042
29	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
30	3,250	-----	(b)	-----	c 29,003	-----	c 584	-----	c 29,587
31	d 7,205	(d)	-----	-----	85,569	2,966	-----	-----	88,535
32	d 8,119	(d)	-----	-----	101,635	2,982	-----	-----	104,617
33	d 8,439	(d)	-----	-----	113,190	4,096	-----	-----	117,286
34	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
35	4,896	352	516	c 32	39,149	3,232	1,835	e \$88	44,304
36	a 21,123	(a)	4,629	-----	a, c 194,913	(a)	c 13,174	-----	c 208,087
37	13,725	108	3,651	-----	120,719	920	10,076	-----	131,715
38	175	6	17	e 17	c 1,969	c 30	c 40	c, e 20	c 2,059

a The quantity and cost of scrap are inseparably combined with the quantity and cost of pig iron.

b Not reported.

c Net cost; the value of the cinder, scrap, etc., has been deducted.

d The quantity of scrap is inseparably combined with the quantity of pig iron.

e Cinder.

TABLE II.—COST OF PRODUCTION OF **MUCK BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## C.—PROPORTIONS OF MATERIALS USED.

[Establishments numbers 1 to 27 are in the United States; numbers 28 to 34 are on the continent of Europe; and numbers 35 to 38 are in Great Britain.]

Es- tab- lish- ment num- ber.	Pounds of materials to one ton of product.				Cost of materials per ton of 2,240 pounds.			
	Pig iron.	Scrap.	Ore.	Other.	Pig iron.	Scrap.	Ore.	Other.
1	a 2,354	(a)	(b)	.....	a \$10.459	(a)	(b)	.....
2	1,896	320	640	.....	17.540	\$11.200	\$6.000	.....
3	2,464	.....	335	.....	14.180	.....	4.673	.....
4	928	1,500	242	.....	14.242	15.485	3.572	.....
5	.....	2,478	.....	.....	.....	19.831	.....	.....
6	2,431	.....	418	.....	16.000	.....	7.000	.....
7	2,317	5	1,008	.....	17.056	10.143	4.000	.....
8	2,683	.....	299	.....	13.992	.....	7.002	.....
9	2,688	.....	90	.....	14.628	.....	7.003	.....
10	1,983	510	347	.....	14.204	19.558	7.504	.....
11	1,930	466	429	.....	14.968	14.442	6.770	.....
12	2,352	.....	136	.....	14.509	.....	6.815	.....
13	2,180	117	599	.....	14.390	12.325	5.532	.....
14	2,124	324	182	.....	14.295	22.175	5.105	.....
15	1,916	531	434	.....	15.248	15.844	6.964	.....
16	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
17	2,229	50	481	.....	16.388	16.425	6.645	.....
18	2,265	144	571	.....	15.100	21.501	5.631	.....
19	2,266	.....	519	.....	15.500	.....	6.004	.....
20	2,262	.....	748	.....	15.190	.....	5.0.0	.....
21	1,280	1,296	560	.....	16.250	13.000	6.000	.....
22	2,240	.....	508	.....	14.218	.....	5.000	.....
23	2,240	.....	498	.....	15.000	.....	6.482	.....
24	2,440	.....	308	.....	15.499	.....	5.752	.....
25	2,314	243	288	.....	14.800	15.213	6.000	.....
26	2,335	.....	474	.....	15.237	.....	6.290	.....
27	1,622	828	710	.....	12.501	10.139	4.619	.....
28	2,613	.....	(b)	.....	9.805	.....	(b)	.....
29	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
30	2,568	.....	(b)	.....	c 8.924	.....	(b)	.....
31	a 2,688	(a)	.....	.....	a 12.288	(a)	.....	.....
32	a 2,684	(a)	.....	.....	a 12.885	(a)	.....	.....
33	a 2,677	(a)	.....	.....	a 13.898	(a)	.....	.....
34	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
35	2,328	167	245	d 15	7.996	9.182	3.556	d \$2.750
36	a 2,330	(a)	511	.....	a, c 9.228	(a)	c 2.846	.....
37	2,383	19	634	.....	8.796	8.519	2.760	.....
38	2,376	81	231	d 231	c 11.251	c 5.000	c 2.353	c, d 1.176

a The quantity and cost of scrap are inseparably combined with the quantity and cost of pig iron.

b Not reported.

c Net cost; the value of the cinder, scrap, etc., has been deducted.

d Cinder.



TABLE II.—COST OF PRODUCTION OF MUCK BAR IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## D.—GENERAL STATEMENT OF COST FOR THE PERIOD.

[Establishments numbers 1 to 27 are in the United States; numbers 28 to 34 are on the continent of Europe; and numbers 35 to 38 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Es- tab- lish- ment num- ber.	Materials.			Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
	Gross.	Value of cinder, scrap, etc.	Net.						
1	\$365,014	\$4,546	\$360,468	\$206,046	\$6,500	\$53,947	\$8,344	\$794	\$636,099
2	25,425	182	25,243	8,032	420	3,336	862	31	37,924
3	35,021	600	34,421	16,225	1,611	3,009	2,261	300	57,827
4	71,990	4,500	67,490	30,111	3,500	8,237	3,277	350	112,965
5	36,330	800	35,530	7,282	276	2,120	527	59	45,794
6	9,008	62	8,946	2,640	108	1,008	360	42	13,104
7	63,792	656	63,136	25,682	2,855	9,874	2,120	1,500	105,167
8	147,692	3,280	144,412	62,074	4,100	13,968	5,158	138	229,850
9	136,551	2,500	134,051	54,886	5,500	9,138	4,429	97	208,101
10	246,137	8,248	237,889	101,679	6,999	21,638	10,001	230	378,436
11	78,166	3,211	74,955	34,562	1,367	5,322	3,097	418	119,721
12	34,748	1,738	33,010	18,088	1,143	4,880	2,654	58	59,833
13	143,342	3,767	139,575	65,765	2,489	15,988	7,881	151	231,849
14	652,715	3,500	649,215	285,043	9,968	74,650	38,712	832	1,058,420
15	139,458	6,489	132,969	58,895	4,000	14,119	7,355	398	215,736
16	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
17	179,626	3,593	176,033	71,016	3,216	7,062	8,635	529	266,491
18	293,668	6,242	287,426	125,535	2,500	28,986	10,215	450	455,112
19	36,703	784	35,919	15,866	1,340	4,770	2,374	185	60,454
20	118,659	4,000	114,659	42,471	2,200	15,812	7,753	174	183,069
21	179,410	9,240	170,170	51,000	3,000	25,536	7,752	550	258,008
22	135,500	1,620	133,880	68,409	3,500	15,500	9,250	733	231,272
23	4,143	23	4,120	1,271	117	338	213	23	6,082
24	53,022	1,400	51,622	18,541	1,500	5,572	6,240	207	83,682
25	144,005	3,564	140,441	47,448	2,067	18,547	8,933	1,441	218,877
26	155,801	4,301	151,500	66,901	3,115	10,615	6,467	1,631	240,229
27	49,414	2,283	47,131	28,732	150	10,167	4,924	266	91,370
28	345,042	11,780	333,262	52,999	3,441	62,849	25,090	1,108	479,649
29	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
30	(b)	(b)	29,587	7,445	802	5,990	2,559	306	46,689
31	88,535	3,332	85,203	13,857	c2,450	2,900	4,287	(c)	108,697
32	104,617	3,741	100,876	15,858	c2,318	2,772	3,822	(c)	125,646
33	117,286	5,699	111,587	16,419	c2,634	3,044	4,378	(c)	138,062
34	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
35	44,304	524	43,780	11,152	177	8,994	3,181	74	67,358
36	(b)	(b)	208,087	75,027	1,422	37,752	16,612	975	340,475
37	131,715	3,025	128,690	44,677	876	21,166	8,493	180	204,082
38	(b)	(b)	2,059	495	13	177	131	3	2,878

a The low labor cost in this establishment is accounted for by the fact that the product was made entirely from scrap which was reheated only.

b Not reported.

c The expenditures for taxes are inseparably combined with those for officials and clerks.

TABLE II.—COST OF PRODUCTION OF MUCK BAR IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## E.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.

[Establishments numbers 1 to 27 are in the United States; numbers 28 to 34 are on the continent of Europe; and numbers 35 to 38 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.					Value of cinder, scrap, etc.	Net.	Labor.	Officials and cl'ks.	Fuel.	Supplies and repairs.	Taxes.	Total.
	Gross.												
	Pig iron.	Scrap.	Ore.	Other.	Total.								
1	a\$10.993	(a)	\$2.730		\$13.723	\$0.170	\$13.553	\$7.746	\$0.244	\$2.023	\$0.313	\$0.030	\$23.914
2	14.847	\$1.606	1.714		18.161	.130	18.031	5.737	.300	2.333	.616	.022	27.089
3	15.598		.698		16.296	.279	16.017	7.550	.750	1.400	1.052	.140	26.909
4	5.903	10.371	.386		16.660	1.041	15.619	6.969	.810	1.906	.758	.081	26.143
5		21.938			21.938	.483	21.455	b4.397	.167	1.280	.318	.036	27.653
6	17.367		1.400		18.767	.129	18.638	5.500	.225	2.100	.750	.087	27.300
7	17.639	.022	1.800		19.461	.200	19.261	7.835	.871	3.012	.647	.457	32.083
8	16.760		.934		17.694	.393	17.301	7.437	.491	1.673	.618	.017	27.537
9	17.553		.281		17.834	.327	17.507	7.168	.718	1.193	.579	.013	27.178
10	12.573	4.457	1.162		18.192	.610	17.582	7.515	.518	1.599	.739	.017	27.970
11	12.896	3.006	1.296		17.198	.706	16.492	7.604	.301	1.171	.681	.092	26.341
12	15.224		.414		15.638	.782	14.856	8.140	.515	2.196	1.195	.026	26.928
13	14.006	.645	1.480		16.131	.424	15.707	7.401	.280	1.799	.887	.017	26.091
14	13.552	3.209	.300		17.061	.092	16.969	7.450	.261	1.951	1.012	.022	27.665
15	13.046	3.757	1.349		18.152	.845	17.307	7.405	.521	1.838	.957	.052	28.080
16	15.375	.150	1.420		16.945	.350	16.595	6.781	c.555	1.410	.923	(c)	d26.264
17	16.305	.366	1.426		18.097	.362	17.735	7.155	.324	.711	.870	.053	26.848
18	15.267	1.381	1.435		18.083	.384	17.699	7.730	.154	1.785	.629	.027	28.024
19	15.680		1.391		17.071	.365	16.706	7.380	.623	2.219	1.104	.086	28.118
20	15.342		1.670		17.012	.573	16.439	6.039	.315	2.267	1.111	.025	26.246
21	9.286	7.521	1.500		18.307	.943	17.364	5.204	.306	2.606	.791	.056	26.327
22	14.218		1.133		15.351	.184	15.167	7.750	.397	1.756	1.048	.083	26.201
23	15.000		1.440		16.440	.091	16.349	5.044	.465	1.341	.845	.091	24.135
24	16.884		.790		17.674	.467	17.207	6.181	.500	1.857	2.080	.069	27.894
25	15.288	1.650	.773		17.711	.439	17.272	5.836	.254	2.281	1.099	.177	26.919
26	15.885		1.330		17.215	.475	16.740	7.393	.344	1.173	.715	.180	26.545
27	9.053	3.746	1.474		14.273	.659	13.614	8.299	.043	2.937	1.422	.077	26.392
28	11.439		.076		11.515	.393	11.122	1.769	.115	2.098	.867	.037	16.008
29	e12.197		e.098		e12.295	(f)	12.295	g1.824	(g)	1.961	1.333	(g)	17.468
30	e10.230		e.206		e10.436	(f)	10.436	2.626	.283	2.113	.903	.108	16.469
31	14.252	.494	(h)		14.746	.555	14.191	2.308	i.408	.483	h.714	(i)	18.104
32	14.997	.440	(h)		15.437	.552	14.885	2.340	i.342	.409	h.564	(i)	18.540
33	16.028	.580	(h)		16.608	.807	15.801	2.325	i.373	.431	h.620	(i)	19.550
34	j12.816	(j)	(j)	(j)	12.816	.638	12.178	1.666	k.457	1.161	.532	(k)	115.994
35	8.312	.686	.389	m\$0.019	9.406	.111	9.295	2.368	.038	1.909	.675	.016	14.301
36	a e9.600	(a)	e.649		e10.249	(f)	10.249	3.725	.070	1.860	.818	.048	16.770
37	9.357	.071	.781		10.209	.235	9.974	3.463	.068	1.641	.658	.014	15.818
38	e11.933	e.182	e.243	e,m.121	e12.479	(f)	12.479	3.000	.079	1.072	.794	.018	17.442

a The expenditures for scrap are inseparably combined with those for pig iron.

b The low labor cost in this establishment is accounted for by the fact that the product was made entirely from scrap which was reheated only.

c The expenditures for taxes, insurance, and interest are inseparably combined with those for officials and clerks.

d Including insurance and interest.

e Net cost.

f The value of the cinder, scrap, etc., produced has already been deducted.

g The expenditures for officials and clerks, and taxes are inseparably combined with those for labor.

h The expenditures for ore are inseparably combined with those for supplies and repairs.

i The expenditures for taxes are inseparably combined with those for officials and clerks.

j The expenditures for other materials are inseparably combined with those for pig iron.

k The expenditures for taxes and insurance are inseparably combined with those for officials and clerks.

l Including insurance.

m Cinder.

TABLE II.—COST OF PRODUCTION OF **MUCK BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 27 are in the United States; numbers 28 to 34 are on the continent of Europe; and numbers 35 to 38 are in Great Britain. This table is based on the preceding one, and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish.]

Establishment number.	Materials (net).	Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
1.....	56.67	32.39	1.02	8.48	1.31	.13	100
2.....	66.56	21.18	1.11	8.80	2.27	.08	100
3.....	59.52	28.06	2.79	5.20	3.91	.53	100
4.....	59.74	26.66	3.10	7.29	2.90	.31	100
5.....	77.59	15.90	.60	4.63	1.15	.13	100
6.....	68.27	20.15	.82	7.69	2.75	.32	100
7.....	60.04	24.42	2.71	9.39	2.02	1.42	100
8.....	62.83	27.01	1.78	6.08	2.24	.06	100
9.....	64.42	26.37	2.64	4.39	2.13	.05	100
10.....	62.86	26.87	1.85	5.72	2.64	.06	100
11.....	62.61	28.87	1.14	4.45	2.58	.35	100
12.....	55.17	30.23	1.91	8.15	4.44	.10	100
13.....	60.20	28.37	1.07	6.89	3.40	.07	100
14.....	61.34	26.93	.94	7.05	3.66	.08	100
15.....	61.63	26.37	1.86	6.55	3.41	.18	100
16.....	63.19	25.82	2.11	5.37	3.51	.....	100
17.....	66.06	26.65	1.20	2.65	3.24	.20	100
18.....	63.16	27.58	.55	6.37	2.24	.10	100
19.....	59.41	26.25	2.21	7.89	3.93	.31	100
20.....	62.63	23.20	1.20	8.64	4.23	.10	100
21.....	65.96	19.77	1.16	9.90	3.00	.21	100
22.....	57.89	29.58	1.51	6.70	4.00	.32	100
23.....	67.74	20.90	1.93	5.55	3.50	.38	100
24.....	61.69	22.16	1.79	6.66	7.45	.25	100
25.....	64.16	21.68	.95	8.47	4.08	.66	100
26.....	63.06	27.85	1.30	4.42	2.69	.68	100
27.....	51.58	31.45	.16	11.13	5.39	.29	100
28.....	69.48	11.05	.72	13.10	5.42	.23	100
29.....	70.38	10.44	.....	11.23	7.95	.....	100
30.....	63.37	15.94	1.72	12.83	5.48	.66	100
31.....	78.39	12.75	2.25	2.67	3.94	.....	100
32.....	80.29	12.62	1.84	2.21	3.04	.....	100
33.....	80.82	11.89	1.91	2.21	3.17	.....	100
34.....	76.14	10.42	2.86	7.26	3.32	.....	100
35.....	64.99	16.56	.27	13.35	4.72	.11	100
36.....	61.11	22.21	.42	11.09	4.88	.29	100
37.....	63.06	21.89	.43	10.37	4.16	.09	100
38.....	71.55	17.20	.45	6.15	4.55	.10	100

TABLE II.—COST OF PRODUCTION OF **MUCK BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.**

[Establishments numbers 1 to 27 are in the United States; numbers 28 to 34 are on the continent of Europe; and numbers 35 to 38 are in Great Britain.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$1,184	\$3,390	.....	\$4,574
2.....	35	236	.....	271
3.....	100	.....	.....	100
4.....	335	.....	.....	335
5.....	.....	.....	.....	.....
6.....	25	.....	.....	25
7.....	225	5,500	.....	5,725
8.....	245	.....	\$1,640	1,885
9.....	125	.....	2,500	2,625
10.....	361	.....	.....	361
11.....	118	1,136	.....	1,254
12.....	117	193	.....	310
13.....	347	1,157	.....	1,504
14.....	978	.....	.....	978
15.....	225	.....	.....	225
16.....	(a)	(a)	.....	(a)
17.....	485	.....	.....	485
18.....	225	.....	.....	225
19.....	52	3,302	.....	3,354
20.....	202	7,415	2,000	9,617
21.....	50	3,000	.....	3,050
22.....	600	4,500	6,500	11,600
23.....	20	54	.....	74
24.....	203	2,334	233	2,770
25.....	625	838	.....	1,463
26.....	.....	.....	.....	.....
27.....	346	.....	.....	346
28.....	75	2,922	.....	2,997
29.....	.....	.....	.....	.....
30.....	.....	.....	.....	.....
31.....	.....	.....	.....	.....
32.....	.....	.....	.....	.....
33.....	.....	.....	.....	.....
34.....	(a)	.....	.....	(a)
35.....	.....	.....	.....	.....
36.....	142	.....	.....	142
37.....	28	.....	.....	28
38.....	.....	.....	.....	.....

• Not reported.



TABLE II.—COST OF PRODUCTION OF **MUCK BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Concluded.**II.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 27 are in the United States; numbers 28 to 34 are on the continent of Europe; and numbers 35 to 38 are in Great Britain.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$0.045	\$0.127	.....	\$0.172
2.....	.025	.169	.....	.194
3.....	.047	.....	.....	.047
4.....	.078	.....	.....	.078
5.....	.....	.....	.....	.....
6.....	.052	.....	.....	.052
7.....	.068	1.678	.....	1.746
8.....	.029	.....	\$0.197	.226
9.....	.016	.....	.327	.343
10.....	.027	.....	.....	.027
11.....	.026	.250	.....	.276
12.....	.053	.087	.....	.140
13.....	.039	.130	.....	.169
14.....	.026	.....	.....	.026
15.....	.029	.....	.....	.029
16.....	(a)	(a)	.....	(a)
17.....	.049	.....	.....	.049
18.....	.014	.....	.....	.014
19.....	.024	1.536	.....	1.560
20.....	.029	1.063	.287	1.379
21.....	.005	.306	.....	.311
22.....	.068	.516	.736	1.314
23.....	.080	.214	.....	.294
24.....	.068	.778	.077	.923
25.....	.077	.103	.....	.180
26.....	.....	.....	.....	.....
27.....	.100	.....	.....	.100
28.....	.002	.098	.....	.100
29.....	.....	.....	.....	.....
30.....	.....	.....	.....	.....
31.....	.....	.....	.....	.....
32.....	.....	.....	.....	.....
33.....	.....	.....	.....	.....
34.....	(a)	.....	.....	(a)
35.....	.....	.....	.....	.....
36.....	.007	.....	.....	.007
37.....	.002	.....	.....	.002
38.....	.....	.....	.....	.....

a Not reported.

## SUMMARY OF COST OF MUCK BAR IRON IN TWENTY-SIX ESTABLISHMENTS IN THE UNITED STATES.

[This summary is drawn from sub-tables A to H immediately preceding. The establishments covered are numbers 1 to 15, inclusive, and 17 to 27, inclusive, being all the muck bar iron mills in the United States from which full reports were obtained. As may be seen the periods covered are irregular and are in the years 1888, 1889, and 1890.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 208,824.	Average cost of one.
Materials (net) .....	\$3,454,211	\$16.541
Labor .....	1,512,200	7.242
Officials and clerks .....	73,541	.352
Fuel .....	384,139	1.840
Supplies and repairs .....	169,794	.813
Taxes .....	11,537	.055
Total .....	5,605,472	26.843

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Twenty-four establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. Two reported that they had no insurance. Thirteen establishments gave the amount paid for interest; the aggregate of these makes the sum below. Thirteen reported that there was no expenditure for interest. Five establishments gave the amount charged to depreciation; the aggregate of these makes the amount below. Twenty-one reported that nothing was charged to this item. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole twenty-six establishments.]

Insurance .....	\$7,228	\$0.035
Interest .....	33,055	.158
Depreciation of value of plant .....	12,873	.062
Total .....	53,156	.255

## SUMMARY OF COST OF MUCK BAR IRON IN FIVE ESTABLISHMENTS ON THE CONTINENT OF EUROPE.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 28, and 30 to 33, inclusive, being all the muck bar iron mills on the continent of Europe from which full reports were obtained. As may be seen the periods covered are irregular and are in the year 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 52,642.	Average cost of one.
Materials (net) .....	\$660,515	\$12.547
Labor .....	106,578	2.025
Officials and clerks .....	13,059	.248
Fuel .....	77,555	1.473
Supplies and repairs .....	41,036	.780
Taxes .....	(a)	(a)
Total .....	898,743	17.073

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[One establishment only gave the amounts paid for insurance and interest, which make the sums credited to these items below. Four reported that there were no expenditures for insurance and interest. All five establishments reported that nothing was charged to depreciation. The sums entered in the first column below are, of course, apportioned in the second column among the whole five establishments.]

Insurance .....	\$75	\$0.001
Interest .....	2,922	.056
Depreciation of value of plant .....		
Total .....	2,997	.057

a The expenditures for salaries of officials and clerks and for taxes are inseparably combined.

## SUMMARY OF COST OF MUCK BAR IRON IN FOUR ESTABLISHMENTS IN GREAT BRITAIN.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 35 to 38, inclusive, being all the muck bar iron mills in Great Britain from which reports were obtained. As may be seen the periods covered are irregular and are in the years 1888 and 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 38,080.	Average cost of one.
Materials (net) .....	\$382,616	\$10.048
Labor .....	131,951	3.465
Officials and clerks .....	2,488	.065
Fuel .....	68,089	1.788
Supplies and repairs .....	28,417	.746
Taxes .....	1,232	.033
Total .....	614,793	16.145

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Two establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. Two reported that they had no insurance. All four establishments reported that there was no expenditure for interest and that nothing was charged to depreciation. The sum entered in the first column below is, of course, apportioned in the second column among the whole four establishments.]

Insurance .....	\$170	\$0.004
Interest .....		
Depreciation of value of plant .....		
Total .....	170	.004

From the foregoing tables it is seen that the average cost of muck bar iron in twenty-six establishments in the United States is \$26.843, and that should what has been denominated theoretical elements of cost be added, the total cost would not be much increased, the average for twenty-four establishments being but 25.5 cents per ton. The cost of muck bar iron, as shown by five establishments on the continent of Europe, is \$17.073. Only one establishment reported any charge for the theoretical elements, this being for insurance and interest, which, if added, would increase the cost but 5.7 cents per ton. The average cost of muck bar iron in Great Britain, as shown by the returns from four establishments, is \$16.145, and the theoretical elements, if added, would increase this cost only 0.4 of a cent per ton, this figure being derived from two establishments.

## LABOR COST PER TON OF MAKING MUCK BAR IRON IN GREAT BRITAIN.

The following table shows the cost of labor in making muck bar iron in England in various years from 1877 to 1890, inclusive. The labor cost referred to in this table is that necessary for the production of muck bar iron from pig iron, and does not include the direct labor cost chargeable to all the processes prior to that of making muck bar iron. These costs relate to a well known establishment and were made up for the information of the head of the firm.

LABOR COST PER TON OF MAKING MUCK BAR IRON AT A WELL KNOWN WORKS  
IN GREAT BRITAIN.

Month.	1877.	1878.	1879.	1880.	1881.	1882.	1887.	1888.	1889.	1890.
January .....	\$3.564	\$3.589	\$3.288	\$3.596	\$3.460	\$3.265	\$3.073	\$2.857	\$3.220	\$3.658
February .....	3.506	3.522	3.254	3.575	3.292	3.317	3.052	2.898	3.196	3.723
March .....	3.437	3.482	3.059	3.507	3.244	3.346	2.983	2.930	3.307	3.715
April .....	3.429	3.588	3.064	3.498	3.245	3.422	3.113	3.039	3.338	3.979
May .....	3.454	3.329	3.132	3.490	3.252	3.376	2.988	2.956	3.268	.....
June .....	3.486	3.414	3.089	3.385	3.320	3.503	3.089	2.964	3.372	.....
July .....	2.535	3.400	3.011	3.316	3.211	3.519	3.151	3.000	3.514	.....
August .....	3.587	3.347	3.062	3.310	3.273	3.547	3.152	3.049	<i>b</i> 3.773	.....
September .....	3.495	3.332	3.008	3.374	3.166	3.637	3.069	2.985	3.411	.....
October .....	3.627	3.284	3.043	3.378	3.106	( <i>a</i> )	2.866	2.945	3.619	.....
November .....	3.536	3.288	3.130	3.373	3.149	( <i>a</i> )	2.889	3.058	3.625	.....
December .....	3.542	3.233	3.296	3.423	3.125	( <i>a</i> )	2.949	3.054	3.746	.....
Average .....	3.517	3.401	3.120	3.435	3.237	3.437	3.031	2.978	3.449	3.769

*a* The books containing costs for this month were lost or mislaid.*b* Holidays this month, and small production caused increased labor cost.



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FINISHED BAR IRON.

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## FINISHED BAR IRON.

The form of presentation of facts used in the tables under pig iron and muck bar iron has been followed in the case of finished bar iron also, as far as the different conditions surrounding its manufacture would allow. The titles of the table and sub-tables for finished bar iron are here shown :

TABLE III.—*Cost of Production of Finished Bar Iron at Various Establishments in Various States.*

- A.—Period covered and quantity of product.
- B.—Quantity and cost of materials used.
- C.—Proportions of materials used.
- D.—General statement of cost for the period.
- E.—Elements of cost in one ton of 2,240 pounds.
- F.—Per cent. of each element of cost in one ton of 2,240 pounds.
- G.—Additional cost of certain theoretical elements.
- H.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

In all but two of the establishments from which reports were obtained more than one kind or description of bar iron was made, and the number of tons produced during the period and per day in each of these establishments, as shown in sub-table A, represents the quantity of all kinds of finished bar iron made. To this mixed product the generally descriptive term run of mill has been given in these tables. As a general rule two turns a day are worked on the first five week days and only one turn on Saturday, the mills shutting down Saturday night and continuing closed during Sunday. The days of running time, as shown in this table, are obtained for most of the establishments by dividing the total number of turns worked during the period by two, and hence the days of running time shown are days of two turns each and not the actual number of days on which work was done during the period. In establishments numbers 6 and 21 only one turn per day was worked, and the days of running time as shown for these establishments are therefore days of one turn each. In most of these establishments the principal material used is muck bar iron, and the finished bar iron is made directly therefrom. In some of the establishments, however, the principal material used is pig iron; this is made into muck bar, and this product is then made into finished bar iron. It is evident that these latter establishments must have a higher labor cost than those which start the process of manufacture with muck bar iron. This fact will explain the comparatively high cost of labor shown for some of the establishments in sub-tables D and E.

TABLE III.—COST OF PRODUCTION OF **FINISHED BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES.

## A.—PERIOD COVERED AND QUANTITY OF PRODUCT.

Es- tab- lish- ment num- ber.	Locality.	Period covered.		Finished bar iron produced.			Trains of rolls.
		Terminal dates.	Days of run- ning time.	Description.	Tons of 2,240 pounds.		
					Total.	Per day.	
1	United States.	Jan. 5, 1889, to Jan. 4, 1890	225	Run of mill.....	18,982	84	3
2	do .....	Sept. 1, 1889, to Nov. 30, 1889	72	Run of mill.....	5,864	81	3
3	do .....	Nov. 1, 1889, to Jan. 31, 1890	39	Run of mill.....	3,811	98	3
4	do .....	Feb. 1, 1889, to Jan. 31, 1890	220	Run of mill.....	42,553	193	5
5	do .....	Jan. 1, 1889, to Dec. 31, 1889	193	Run of mill.....	9,644	50	2
6	do .....	Jan. 1, 1889, to Dec. 31, 1889	253	Run of mill.....	6,402	25	2
7	do .....	Jan. 1, 1889, to June 30, 1889	59	Run of mill.....	2,100	36	3
8	do .....	July 1, 1888, to June 30, 1889	160	Run of mill.....	12,435	78	4
9	do .....	July 1, 1888, to June 30, 1889	205	Run of mill.....	7,654	37	2
10	do .....	July 1, 1888, to June 30, 1889	242	Run of mill.....	8,645	36	2
11	do .....	July 1, 1888, to June 30, 1889	275	Run of mill.....	13,798	50	2
12	do .....	Jan. 1, 1889, to Dec. 31, 1889	275	Run of mill.....	7,860	29	1
13	do .....	Jan. 1, 1889, to Dec. 31, 1889	281	Run of mill.....	24,929	89	3
14	do .....	1889 (c) .....	(d)	Run of mill.....	(d)	(d)	(d)
15	do .....	July 1, 1888, to June 30, 1889	240	Run of mill.....	16,750	70	4
16	do .....	Jan. 1, 1889, to Dec. 31, 1889	275	Run of mill.....	8,839	32	3
17	do .....	Jan. 1, 1889, to Jan. 7, 1889	5½	1 inch round.....	198	36	2
18	do .....	Jan. 1, 1889, to Jan. 7, 1889	5½	1 inch round.....	297	54	3
19	do .....	Jan. 1, 1888, to Dec. 31, 1888	212	Run of mill.....	6,083	29	2
20	do .....	July 1, 1888, to June 30, 1889	236	Run of mill.....	4,005	17	2
21	do .....	July 1, 1888, to June 30, 1889	300	Run of mill.....	2,538	8	1
22	Continent of Europe.	1889 (c) .....	(d)	Run of mill.....	(d)	(d)	(d)
23	do .....	Oct. 1, 1889, to Dec. 31, 1889	75	Run of mill.....	2,944	39	3
24	do .....	1888 (c) .....	(d)	(d) .....	(d)	(d)	(d)
25	do .....	Apr. 1, 1889, to June 30, 1889	(d)	Run of mill.....	4,750	(d)	3
26	do .....	July 1, 1889, to Sept. 30, 1889	(d)	Run of mill.....	5,342	(d)	3
27	do .....	Oct. 1, 1889, to Dec. 31, 1889	(d)	Run of mill.....	5,726	(d)	3
28	Great Britain.	Apr. 1, 1888, to Sept. 29, 1888	117	Run of mill.....	3,811	33	3
29	do .....	Nov. 1, 1888, to Oct. 31, 1889	275	Run of mill.....	24,094	88	5

a This product includes considerable quantities of rails and splice bars, which are not separately reported.

b Only one turn per day is worked in this establishment.

c Terminal dates not reported.

d Not reported.



TABLE III.—COST OF PRODUCTION OF **FINISHED BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**B.—QUANTITY AND COST OF MATERIALS USED.**

[Establishments numbers 1 to 21 are in the United States; numbers 22 to 27 are on the continent of Europe; and numbers 28 and 29 are in Great Britain.]

Es- tablish- ment num- ber.	Tons of 2,240 pounds.				Cost.				
	Mnck bar.	Pigiron.	Scrap.	Other.	Mnck bar.	Pigiron.	Scrap.	Other.	Total.
1	12,965	.....	8,644	.....	\$310,045	.....	\$228,890	.....	\$538,935
2	a 6,571	.....	(a)	.....	a 169,569	.....	(a)	.....	169,569
3	1,510	.....	2,648	.....	42,280	.....	60,425	.....	102,705
4	a 49,000	.....	(a)	.....	a 977,184	.....	(a)	.....	977,184
5	.....	7,221	2,993	b 2,435	.....	\$109,319	51,912	b \$15,487	176,718
6	.....	4,507	1,688	b 1,200	.....	67,606	28,696	b 9,000	105,302
7	1,453	.....	.....	c 848	46,899	.....	.....	c 34,937	81,836
8	10,240	.....	3,412	.....	285,715	.....	72,488	.....	358,203
9	7,657	.....	179	.....	210,652	.....	3,800	.....	214,452
10	8,053	.....	1,771	.....	227,586	.....	49,635	.....	277,221
11	5,803	.....	9,229	.....	138,537	.....	243,191	.....	381,728
12	8,200	.....	491	.....	230,127	.....	12,650	.....	242,777
13	17,576	.....	10,726	.....	486,697	.....	300,325	.....	787,022
14	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
15	.....	17,400	1,841	b 3,600	.....	243,600	22,500	b 21,600	287,700
16	3,150	.....	6,384	.....	85,000	.....	157,412	.....	242,412
17	.....	231	.....	b 58	.....	3,696	.....	b 347	4,043
18	.....	347	.....	b 74	.....	5,552	.....	b 446	5,998
19	.....	5,289	1,966	b 371	.....	68,744	36,783	b 742	106,269
20	4,060	.....	312	.....	109,291	.....	7,463	.....	116,754
21	567	.....	2,212	.....	16,816	.....	48,545	.....	65,361
22	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
23	3,466	.....	.....	.....	52,656	.....	.....	.....	52,656
24	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)	(d)
25	e 5,932	.....	(e)	(e)	e 110,561	.....	(e)	(e)	110,561
26	e 6,619	.....	(e)	(e)	e 125,932	.....	(e)	(e)	125,932
27	e 6,988	.....	(e)	(e)	e 144,816	.....	(e)	(e)	144,816
28	4,608	.....	.....	f 110	65,929	.....	.....	f 2,018	67,947
29	30,479	.....	.....	.....	483,628	.....	.....	.....	483,628

a The quantity and cost of scrap are inseparably combined with the quantity and cost of muck bar.

b Iron ore.

c Reworked muck bar.

d Not reported.

e The quantities and costs of scrap and other material (roughed-down bar) are inseparably combined with the quantity and cost of muck bar.

f Roughed-down bar.

TABLE III.—COST OF PRODUCTION OF **FINISHED BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**C.—PROPORTIONS OF MATERIALS USED.**

[Establishments numbers 1 to 21 are in the United States; numbers 22 to 27 are on the continent of Europe; and numbers 28 and 29 are in Great Britain.]

Establishment number.	Pounds of material to one ton of product.				Cost of materials per ton of 2,240 pounds.			
	Muck bar.	Pig iron.	Scrap.	Other.	Muck bar.	Pig iron.	Scrap.	Other.
1.....	1,530	.....	1,020	.....	\$23.914	.....	\$26.480	.....
2.....	<i>a</i> 2,510	.....	( <i>a</i> )	.....	<i>a</i> 25.806	.....	( <i>a</i> )	.....
3.....	888	.....	1,556	.....	28.000	.....	22.819	.....
4.....	<i>a</i> 2,579	.....	( <i>a</i> )	.....	<i>a</i> 19.943	.....	( <i>a</i> )	.....
5.....	.....	1,677	695	<i>b</i> 566	.....	\$15.139	17.344	<i>b</i> \$6.360
6.....	.....	1,577	591	<i>b</i> 420	.....	15.000	17.000	<i>b</i> 7.500
7.....	1,550	.....	.....	<i>c</i> 905	32.277	.....	.....	<i>c</i> 41.199
8.....	1,845	.....	615	.....	27.902	.....	21.245	.....
9.....	2,241	.....	52	.....	27.511	.....	21.229	.....
10.....	2,087	.....	459	.....	28.261	.....	28.027	.....
11.....	942	.....	1,498	.....	23.873	.....	26.351	.....
12.....	2,337	.....	140	.....	28.064	.....	25.764	.....
13.....	1,579	.....	964	.....	27.691	.....	28.000	.....
14.....	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )
15.....	.....	2,327	246	<i>b</i> 481	.....	14.000	12.222	<i>b</i> 6.000
16.....	798	.....	1,618	.....	26.984	.....	24.657	.....
17.....	.....	2,613	.....	<i>b</i> 656	.....	16.000	.....	<i>b</i> 5.983
18.....	.....	2,617	.....	<i>b</i> 558	.....	16.000	.....	<i>b</i> 6.027
19.....	.....	1,948	724	<i>b</i> 137	.....	12.998	18.710	<i>b</i> 2.000
20.....	2,271	.....	175	.....	26.919	.....	23.920	.....
21.....	500	.....	1,952	.....	29.658	.....	21.946	.....
22.....	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )
23.....	2,637	.....	.....	.....	15.192	.....	.....	.....
24.....	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )
25.....	<i>e</i> 2,797	.....	( <i>e</i> )	( <i>e</i> )	<i>e</i> 18.638	.....	( <i>e</i> )	( <i>e</i> )
26.....	<i>e</i> 2,775	.....	( <i>e</i> )	( <i>e</i> )	<i>e</i> 19.026	.....	( <i>e</i> )	( <i>e</i> )
27.....	<i>e</i> 2,734	.....	( <i>e</i> )	( <i>e</i> )	<i>e</i> 20.724	.....	( <i>e</i> )	( <i>e</i> )
28.....	2,708	.....	.....	<i>f</i> 65	14.308	.....	.....	<i>f</i> 18.345
29.....	2,834	.....	.....	.....	15.868	.....	.....	.....

*a* The quantity and cost of scrap are inseparably combined with the quantity and cost of muck bar.

*b* Iron ore.

*c* Reworked muck bar.

*d* Not reported.

*e* The quantities and cost of scrap and other material (roughed-down bar) are inseparably combined with the quantity and cost of muck bar.

*f* Roughed-down bar.

TABLE III.—COST OF PRODUCTION OF **FINISHED BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**D.—GENERAL STATEMENT OF COST FOR THE PERIOD.**

[Establishments numbers 1 to 21 are in the United States; numbers 22 to 27 are on the continent of Europe; and numbers 28 to 29 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.			Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
	Gross.	Value of cinder, scrap, etc.	Net.						
1 .....	\$538,935	(a)	b\$538,935	\$90,783	\$6,500	\$16,088	c\$4,443	\$567	b, d\$657,316
2 .....	169,569	\$450	169,119	33,147	4,500	8,368	3,231	450	218,815
3 .....	102,705	3,619	99,086	20,881	824	4,965	1,210	137	127,103
4 .....	977,184	7,400	969,784	229,952	25,233	31,206	44,977	2,200	1,294,412
5 .....	176,718	2,500	174,218	109,825	10,000	19,830	7,986	1,458	323,317
6 .....	105,302	3,000	102,302	80,162	7,500	23,319	5,634	1,500	220,408
7 .....	81,836	2,389	79,447	15,772	1,825	6,665	3,725	1,600	109,034
8 .....	358,203	18,535	339,668	42,632	5,271	6,839	7,883	1,127	403,420
9 .....	214,452	2,500	211,952	31,359	5,500	6,099	4,111	97	259,118
10 .....	277,221	3,280	273,941	40,383	4,100	9,312	5,752	138	333,631
11 .....	381,728	9,838	371,890	41,599	9,465	18,484	23,046	2,946	467,430
12 .....	242,777	7,500	235,277	28,884	4,000	6,250	6,000	(a)	e 280,411
13 .....	787,022	7,399	779,623	92,415	11,726	58,353	30,712	832	973,661
14 .....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
15 .....	287,700	(a)	b 287,700	219,450	12,280	32,000	28,660	4,400	b 584,890
16 .....	242,412	4,805	237,607	39,393	3,600	9,579	13,524	437	304,140
17 .....	4,043	237	3,806	2,404	99	808	557	49	7,723
18 .....	5,998	258	5,740	3,641	149	1,114	683	65	11,392
19 .....	106,269	2,120	104,149	85,056	8,880	27,817	21,646	758	248,306
20 .....	116,754	2,720	114,034	21,708	1,033	4,397	3,569	720	145,461
21 .....	65,361	900	64,461	14,207	2,000	4,694	2,409	350	88,121
22 .....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
23 .....	52,656	2,563	50,093	8,368	831	3,319	3,569	317	66,497
24 .....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
25 .....	110,561	8,179	102,382	8,897	f 1,938	1,268	3,762	(f)	118,247
26 .....	125,932	9,829	116,103	9,920	f 1,827	1,266	2,975	(f)	132,091
27 .....	144,816	12,466	132,350	10,662	f 2,136	1,769	3,086	(f)	150,003
28 .....	67,947	874	67,073	9,753	143	2,753	2,571	60	82,353
29 .....	483,628	19,792	463,836	73,029	3,459	27,115	16,928	2,294	586,661

a Not reported.

b Value of cinder, scrap, etc., not deducted.

c Supplies only, repairs not included.

d Not including repairs.

e Not including taxes.

f The expenditures for taxes are inseparably combined with those for officials and clerks.

TABLE III.—COST OF PRODUCTION OF **FINISHED BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**E.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 21 are in the United States; numbers 22 to 27 are on the continent of Europe; and numbers 28 and 29 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery, are not included.]

Estab- lish- ment num- bor.	Materials.					Net.	Labor.	Offi- cials and cl'ks.	Fuel.	Snp- plies and re- pairs.	Taxes	Total.	
	Gross.												
	Muck bar.	Pig iron.	Scrap.	Other.	Total.								
1	\$16.334		\$12.058		\$28.392	(a)	b\$28.392	\$4.783	\$0.342	\$0.817	c\$0.234	\$0.030	b,d\$34.628
2	c28.917		(e)		28.917	\$0.077	28.840	5.653	.767	1.427	.551	.077	37.315
3	11.094		15.856		26.950	.950	26.000	5.479	.216	1.303	.318	.036	33.352
4	e22.964		(e)		22.964	.174	22.790	5.192	.593	.735	1.057	.052	30.419
5		\$11.335	5.383	f\$1.606	18.324	.259	18.065	11.388	1.037	2.056	.828	.151	33.525
6		10.560	4.483	f1.406	16.449	.469	15.980	12.521	1.172	3.611	.880	.234	34.428
7	22.333			g16.637	38.970	1.138	37.832	7.510	.869	3.174	1.774	.762	51.921
8	22.977		5.829		28.806	1.401	27.315	3.428	.424	.550	.634	.091	32.442
9	27.522		.497		28.019	.327	27.692	4.097	.719	.797	.537	.012	33.854
10	26.326		5.741		32.067	.379	31.688	4.672	.474	1.077	.665	.016	38.592
11	10.040		17.625		27.665	.713	26.952	3.015	.686	1.340	1.670	.214	33.877
12	29.278		1.609		30.887	.954	29.933	3.675	.509	.795	.764	(a)	h 35.676
13	19.524		12.047		31.571	.297	31.274	3.707	.470	2.341	1.232	.033	39.057
14	30.300				30.300	1.580	28.720	4.330	i.900	.952	1.615	(i)	j36.517
15		14.543	1.343	f1.290	17.176	(a)	b17.176	13.102	.733	1.910	1.711	.287	b34.919
16	9.617		17.809		27.426	.544	26.882	4.457	.407	1.084	1.530	.049	34.409
17		18.667		f1.752	20.419	1.197	19.222	12.141	.500	4.081	2.813	.248	39.005
18		18.694		f1.502	20.196	.869	19.327	12.259	.502	3.751	2.299	.219	38.357
19		11.301	6.047	f.122	17.470	.349	17.121	13.983	1.460	4.573	3.558	.124	40.819
20	27.289		1.863		29.152	.679	28.473	5.420	.258	1.098	.891	.160	36.320
21	6.626		19.127		25.753	.355	25.398	5.598	.788	1.850	.949	.138	34.721
22	17.649				17.649	(a)	b17.649	4.040	k.980	.804	1.008	(k)	b,l24.481
23	17.880				17.886	.871	17.015	2.843	.282	1.127	1.212	.108	22.587
24	19.931				19.931	1.461	18.470	1.715	k.544	.771	.609	(k)	l22.109
25	16.615		.757	m5.904	23.276	1.722	21.554	1.873	n.409	.267	.792	(n)	24.894
26	17.314		.664	m5.596	23.574	1.840	21.734	1.857	n.342	.237	.557	(n)	24.727
27	17.850		.526	m6.915	25.291	2.177	23.114	1.862	n.373	.309	.539	(n)	26.197
28	17.300			m.529	17.829	.229	17.600	2.559	.037	.722	.675	.016	21.609
29	20.073				20.073	.822	19.251	3.031	.144	1.125	.703	.095	24.349

a Not reported.

b Value of cinder, scrap, etc., not deducted.

c Supplies only, repairs not included.

d Not including repairs.

e The expenditures for scrap are inseparably combined with those for muck bar.

f Iron ore.

g Reworked muck bar.

h Not including taxes.

i The expenditures for taxes, insurance, and interest are inseparably combined with those for officials and clerks.

j Including insurance and interest.

k The expenditures for taxes and insurance are inseparably combined with those for officials and clerks.

l Including insurance.

m Roughed-down bar.

n The expenditures for taxes are inseparably combined with those for officials and clerks.



TABLE III.—COST OF PRODUCTION OF **FINISHED BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 21 are in the United States; numbers 22 to 27 are on the continent of Europe; and numbers 28 and 29 are in Great Britain. This table is based on the preceding one, and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish.]

Estab- lishment number.	Materials (net).	Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
1 .....	81.99	13.81	.99	2.45	.67	.09	100
2 .....	77.29	15.15	2.05	3.82	1.48	.21	100
3 .....	77.95	16.43	.65	3.91	.95	.11	100
4 .....	74.92	17.07	1.95	2.42	3.47	.17	100
5 .....	53.89	33.97	3.09	6.13	2.47	.45	100
6 .....	46.42	36.37	3.40	10.57	2.56	.68	100
7 .....	72.87	14.46	1.67	6.11	3.42	1.47	100
8 .....	81.20	10.57	1.31	1.69	1.95	.28	100
9 .....	81.80	12.10	2.12	2.35	1.59	.04	100
10 .....	82.11	12.11	1.23	2.79	1.72	.04	100
11 .....	79.56	8.90	2.02	3.96	4.93	.63	100
12 .....	83.90	10.30	1.43	2.23	2.14	.....	100
13 .....	80.07	9.49	1.20	5.99	3.16	.09	100
14 .....	78.65	11.86	2.46	2.61	4.42	.....	100
15 .....	49.19	37.52	2.10	5.47	4.90	.82	100
16 .....	78.13	12.95	1.18	3.15	4.45	.14	100
17 .....	49.28	31.13	1.28	10.46	7.21	.64	100
18 .....	50.39	31.96	1.31	9.78	5.99	.57	100
19 .....	41.94	34.26	3.58	11.20	8.72	.30	100
20 .....	78.40	14.92	.71	3.02	2.45	.50	100
21 .....	73.15	16.12	2.27	5.33	2.73	.40	100
22 .....	72.09	16.50	4.00	3.29	4.12	.....	100
23 .....	75.33	12.59	1.25	4.99	5.36	.48	100
24 .....	83.54	7.76	2.46	3.49	2.75	.....	100
25 .....	86.58	7.53	1.64	1.07	3.18	.....	100
26 .....	87.90	7.51	1.38	.96	2.25	.....	100
27 .....	88.23	7.11	1.42	1.18	2.06	.....	100
28 .....	81.45	11.84	.17	3.34	3.12	.08	100
29 .....	79.06	12.45	.59	4.62	2.89	.39	100

TABLE III.—COST OF PRODUCTION OF **FINISHED BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.**

[Establishments numbers 1 to 21 are in the United States; numbers 22 to 27 are on the continent of Europe; and numbers 28 and 29 are in Great Britain.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$845	\$2,415	.	\$3,260
2.....	409			400
3.....	22			22
4.....	700	(a)		b 700
5.....	321			321
6.....	500			500
7.....	230	3,267		3,497
8.....	400	1,221	\$2,661	4,282
9.....	125		2,500	2,625
10.....	245			245
11.....	733			733
12.....	400			400
13.....	1,120			1,120
14.....	(a)	(a)	(a)	(a)
15.....	2,000	(a)	(a)	c 2,000
16.....	317	6,000	5,000	11,317
17.....	27	210		237
18.....	30	205		235
19.....	801	6,000		6,801
20.....	312	420		732
21.....	150			150
22.....	(a)			(a)
23.....	317			317
24.....	(a)			(a)
25.....				
26.....				
27.....				
28.....				
29.....	332	30,584		30,916

a Not reported.

b Not including interest.

c Not including interest and depreciation of value of plant.

TABLE III.—COST OF PRODUCTION OF **FINISHED BAR IRON** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Concluded.**II.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 21 are in the United States; numbers 22 to 27 are on the continent of Europe; and numbers 28 and 29 are in Great Britain.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$0.045	\$0.127	.....	\$0.172
2.....	.068	.....	.....	.068
3.....	.006	.....	.....	.006
4.....	.016	(a)	.....	b.016
5.....	.033	.....	.....	.033
6.....	.078	.....	.....	.078
7.....	.109	1.556	.....	1.665
8.....	.032	.098	\$0.214	.344
9.....	.016	.....	.327	.343
10.....	.028	.....	.....	.028
11.....	.053	.....	.....	.053
12.....	.051	.....	.....	.051
13.....	.045	.....	.....	.045
14.....	(a)	(a)	(a)	(a)
15.....	.119	(a)	(a)	c.119
16.....	.036	.679	.565	1.280
17.....	.136	.....	.....	.136
18.....	.101	.690	.....	.791
19.....	.132	.986	.....	1.118
20.....	.078	.105	.....	.183
21.....	.059	.....	.....	.059
22.....	(a)	.....	.....	(a)
23.....	.108	.....	.....	.108
24.....	(a)	.....	.....	(a)
25.....	.....	.....	.....	.....
26.....	.....	.....	.....	.....
27.....	.....	.....	.....	.....
28.....	.014	1.269	.....	1.283
29.....	.....	.....	.....	.....

a Not reported.

b Not including interest.

c Not including interest and depreciation of value of plant.

## SUMMARY OF COST OF FINISHED BAR IRON (RUN OF MILL) IN TEN ESTABLISHMENTS IN THE UNITED STATES.

[This summary is drawn from sub-tables A to H immediately preceding. The establishments covered are numbers 1, 2, 4, 7 to 10, inclusive, 12, 13, and 20 and are those only in which muck bar iron is the principal material used. As may be seen the periods covered are usually twelve months and are in the years 1888, 1889, and 1890. By run of mill is meant the product of all kinds of finished bar iron made in an establishment.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 135, 027.	Average cost of one.
Materials (net).....	\$3, 711, 780	\$27. 489
Labor.....	618, 040	4. 577
Officials and clerks.....	69, 688	. 516
Fuel.....	152, 637	1. 138
Supplies and repairs.....	114, 403	. 848
Taxes.....	7, 731	. 057
Total.....	4, 675, 279	34. 625

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[All ten establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. Four establishments gave the amount paid for interest; the aggregate of these makes the sum below. Five reported that there was no expenditure for interest, and for one no statement was obtained. Two establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Eight reported that nothing was charged to this item. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole ten establishments.]

Insurance.....	\$4, 777	\$0. 036
Interest.....	7, 323	. 054
Depreciation of value of plant.....	5, 161	. 038
Total.....	17, 261	. 128

## SUMMARY OF COST OF FINISHED BAR IRON (RUN OF MILL) IN FOUR ESTABLISHMENTS ON THE CONTINENT OF EUROPE.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 23 and 25 to 27, inclusive, being all the finished bar iron mills on the continent of Europe from which full reports were obtained. In all these establishments muck bar iron is the principal material used. As may be seen the periods covered are irregular and are in the year 1889. By run of mill is meant the product of all kinds of finished bar iron made in an establishment.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 18, 762.	Average cost of one.
Materials (net).....	\$400, 928	\$21. 369
Labor.....	37, 847	2. 017
Officials and clerks.....	a 7, 049	a. 376
Fuel.....	7, 622	. 406
Supplies and repairs.....	13, 392	. 714
Taxes.....	(a)	(a)
Total.....	466, 838	24. 882

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[One establishment gave the amount paid for insurance, which makes the sum credited to this item below. Three reported that they had no insurance. All four establishments reported that there was no expenditure for interest, and that nothing was charged to depreciation. The sum entered in the first column below is, of course, apportioned in the second column among the whole four establishments.]

Insurance.....	\$317	\$0. 017
Interest.....		
Depreciation of value of plant.....		
Total.....	317	. 017

a The expenditures for taxes are inseparably combined with those for officials and clerks.



## SUMMARY OF COST OF FINISHED BAR IRON (RUN OF MILL) IN TWO ESTABLISHMENTS IN GREAT BRITAIN.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 28 and 29, being all the finished bar iron mills in Great Britain from which reports were obtained. In both these establishments muck bar iron is the principal material used. As may be seen the periods covered are irregular and are in the years 1888 and 1889. By run of mill is meant the product of all kinds of finished bar iron made in an establishment.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 27,905.	Average cost of one.
Materials (net) .....	\$530, 909	\$19. 026
Labor .....	82, 782	2. 967
Officials and clerks.....	3, 602	. 129
Fuel.....	29, 868	1. 070
Supplies and repairs.....	19, 499	. 699
Taxes .....	2, 354	. 084
Total.....	669, 014	23. 975

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[One establishment gave the amount paid for insurance, which makes the sum credited to this item below. One reported that it had no insurance. One establishment gave the amount paid for interest, which makes the sum below. One reported that there was no expenditure for interest. Both establishments reported that nothing was charged to depreciation. The sums entered in the first column below are, of course, apportioned in the second column between the two establishments.]

Insurance.....	\$332	\$0. 012
Interest.....	30, 584	1. 096
Depreciation of value of plant.....		
Total.....	30, 916	1. 108

These tables relate to a mixture of various kinds of finished bar iron, as stated in the notes. For the United States, as shown by ten establishments, finished bar iron costs \$34.625, and if the theoretical elements of cost—insurance, interest, and depreciation of value of plant—be added, the figures would be increased only 12.8 cents. The cost of finished bar iron on the continent of Europe, as shown by four establishments, is \$24.882, and the additional cost, as given by the establishments returning theoretical elements, is 1.7 cent. For Great Britain, as shown by two representative establishments, the average cost of one ton of finished bar iron for the two establishments is \$23.975; one establishment, however, added insurance and interest on a very liberal scale, the addition amounting to \$1.108 per ton.

## LABOR COST PER TON OF MAKING FINISHED BAR IRON IN GREAT BRITAIN.

The following table shows the labor cost per ton of making finished bar iron in a well known establishment in Great Britain for various periods from 1877 to 1890, inclusive. By labor cost in the succeeding table is meant the cost of converting pig iron into finished bar, the direct labor cost in the processes preceding not being included. These costs relate to a well known establishment, and were made up for the information of the head of the firm.

LABOR COST PER TON OF MAKING FINISHED BAR IRON AT A WELL KNOWN WORKS  
IN GREAT BRITAIN.

[The labor cost here shown is on the production for the month without regard to sizes or kinds of iron turned out. The tonnage rate paid rollers, etc., varies greatly, perhaps fifty different rates being paid, as the product includes various sizes, kinds, and weights, the separate labor cost for each kind not being made up.]

Month.	1877.	1878.	1879.	1880.	1881.	1882.	1887.	1888.	1889.	1890.
January .....	\$3.541	\$3.305	\$3.210	\$3.428	\$3.292	\$2.958	\$3.105	\$2.555	\$2.705	\$3.559
February .....	3.328	3.098	2.955	3.243	3.260	3.213	2.774	2.663	2.617	3.733
March .....	2.995	3.189	2.870	3.277	3.244	3.297	2.816	2.937	2.738	3.803
April .....	3.247	3.267	2.817	3.227	3.104	3.387	3.090	3.068	2.730	d 4.016
May .....	3.197	3.249	3.005	3.344	3.001	3.352	3.141	3.066	2.790	.....
June .....	3.239	3.054	3.135	3.428	3.182	3.333	3.029	3.094	2.947	.....
July .....	3.191	3.102	3.053	3.430	2.995	3.335	3.018	3.022	3.070	.....
August .....	3.264	3.059	2.966	3.404	3.104	3.369	3.124	2.912	b 3.575	.....
September .....	3.246	3.090	3.120	3.446	3.029	3.227	2.950	2.812	3.179	.....
October .....	3.440	3.092	3.073	3.439	3.005	(a)	2.740	2.675	3.138	.....
November .....	3.273	3.212	2.875	3.625	2.973	(a)	2.723	5.617	3.232	.....
December .....	3.303	3.181	3.050	3.365	2.964	(a)	2.652	2.737	c 3.845	.....
Average....	3.272	3.158	3.011	3.388	3.096	3.273	2.930	2.847	3.047	3.778

a The books containing costs for this month were lost or mislaid.

b Holidays and consequent small production increased labor cost this month.

c General advance in wages.

d Wages were advanced.

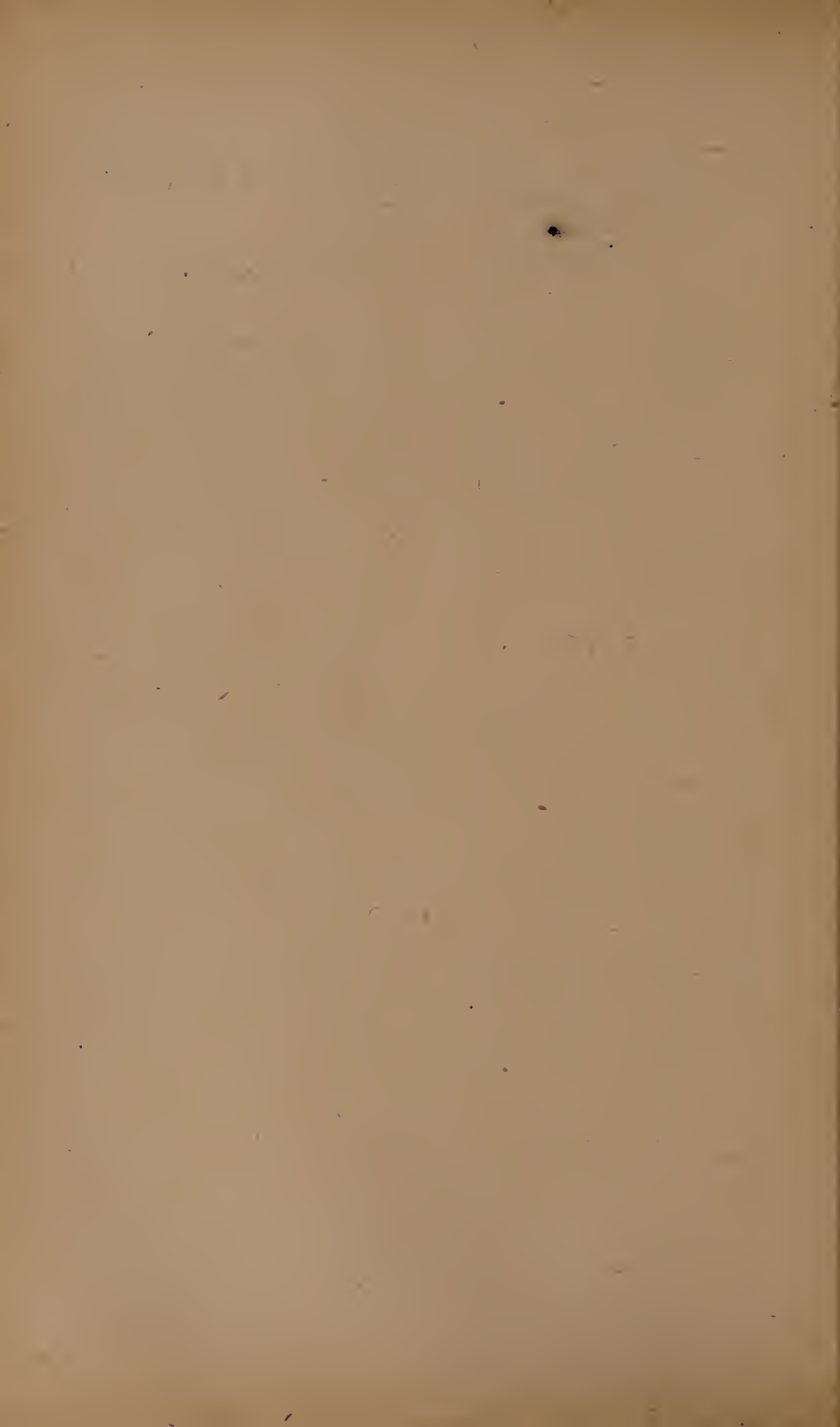
## PRICES OF FINISHED BAR IRON.

The following table shows the average monthly wholesale prices of best refined rolled bar iron at Philadelphia, for each month from January, 1844, to December, 1889. It is taken from the annual report for 1889 of the American Iron and Steel Association.

AVERAGE WHOLESALE STORE PRICES PER TON OF 2,240 POUNDS OF BEST REFINED ROLLED BAR IRON AT PHILADELPHIA.

Y'r.	Jan.	Feb.	Mar.	April.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Aver- age.
1844	\$90.00	\$90.00	\$90.00	\$90.00	\$90.00	\$82.50	\$82.50	\$82.50	\$82.50	\$82.50	\$82.50	\$82.50	\$85.62
1845	82.50	87.50	92.50	100.00	100.00	100.00	95.00	92.50	92.50	92.50	95.00	95.00	93.75
1846	95.00	95.00	90.00	92.50	92.50	92.50	95.00	92.50	90.00	90.00	90.00	85.00	91.66
1847	85.00	85.00	85.00	85.00	85.00	90.00	90.00	85.00	87.50	85.00	85.00	85.00	86.04
1848	85.00	85.00	85.00	85.00	85.00	80.00	80.00	80.00	75.00	75.00	67.50	70.00	79.33
1849	70.00	70.00	70.00	70.00	70.00	70.00	65.00	65.00	65.00	65.00	65.00	65.00	67.50
1850	65.00	65.00	65.00	62.50	60.00	57.50	57.50	57.50	57.50	56.00	56.00	55.00	59.54
1851	55.00	55.00	55.00	55.00	55.00	55.00	55.00	55.00	54.00	54.00	54.00	54.00	54.66
1852	54.00	54.00	52.50	52.50	52.50	52.50	52.50	55.00	60.00	70.00	70.00	80.00	58.79
1853	90.00	90.00	90.00	87.50	85.00	80.00	80.00	77.50	77.50	80.00	80.00	85.00	83.50
1854	90.00	90.00	90.00	90.00	90.00	92.50	95.00	95.00	95.00	92.50	90.00	90.00	91.33
1855	82.50	80.00	75.00	72.50	70.00	70.00	70.00	72.50	72.50	75.00	77.50	77.50	74.58
1856	75.00	77.50	77.50	77.50	75.00	72.50	70.00	70.00	72.50	72.50	72.50	72.50	73.75
1857	72.50	72.50	72.50	72.50	72.50	72.50	70.00	70.00	70.00	70.00	70.00	67.50	71.04
1858	65.00	65.00	65.00	62.50	62.50	65.00	62.50	60.00	60.00	60.00	60.00	60.00	62.29
1859	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00
1860	60.00	57.50	57.50	57.50	57.50	57.50	57.50	60.00	60.00	60.00	60.00	60.00	58.75
1861	60.00	60.00	60.00	60.00	60.00	60.00	60.00	60.00	62.50	62.50	62.50	62.50	60.83
1862	62.50	62.50	62.50	62.50	65.00	65.00	70.00	72.50	75.00	77.50	82.50	87.50	70.42
1863	87.50	90.00	90.00	90.00	90.00	87.50	87.50	87.50	87.50	90.00	95.00	110.00	91.04
1864	115.00	125.00	130.00	140.00	150.00	160.00	165.00	170.00	160.00	150.00	147.50	145.00	146.46
1865	142.50	135.00	130.00	110.00	100.00	92.50	90.00	85.00	92.50	95.00	100.00	105.00	106.38
1866	105.00	100.00	97.50	95.00	92.50	95.00	105.00	100.00	100.00	97.50	95.00	95.00	98.13
1867	95.00	92.50	92.50	90.00	87.50	87.50	85.00	82.50	82.50	82.50	82.50	85.00	87.08
1868	85.00	85.00	85.00	87.50	87.50	87.50	85.00	85.00	85.00	85.00	85.00	85.00	85.63
1869	82.50	82.50	82.50	82.50	82.50	82.50	82.50	82.50	80.00	80.00	77.50	77.50	81.66
1870	80.00	77.50	77.50	77.50	75.00	77.50	80.00	85.00	82.50	80.00	77.50	77.50	78.96
1871	72.50	75.00	75.00	77.50	75.00	77.50	77.50	80.00	82.50	82.50	82.50	85.00	78.54
1872	73.92	78.40	87.36	94.08	96.32	98.56	103.04	105.28	107.52	118.72	107.52	100.80	97.63
1873	96.32	94.08	96.32	94.08	94.08	91.84	85.12	82.88	80.64	76.16	73.92	71.68	86.43
1874	73.92	73.92	71.68	71.68	67.20	67.20	62.72	67.20	67.20	67.20	62.72	62.72	67.95
1875	62.72	60.48	62.72	62.72	62.72	62.72	62.72	60.48	60.48	60.48	56.00	56.00	60.85
1876	56.00	52.64	52.64	52.64	52.64	52.64	52.64	52.64	50.40	50.40	50.40	49.28	52.08
1877	48.72	47.60	47.04	44.80	44.80	44.80	44.80	44.80	44.80	42.56	42.56	42.56	44.24
1878	44.80	44.80	44.80	44.80	44.80	44.80	44.80	44.80	44.80	42.56	42.56	42.56	44.05
1879	40.32	42.56	44.80	44.80	44.80	44.80	44.80	47.04	49.28	57.12	67.20	72.24	51.85
1880	80.64	85.12	82.32	71.68	56.00	51.07	50.02	53.76	51.88	52.64	52.64	53.76	60.38
1881	56.00	56.00	56.00	56.00	53.76	53.76	54.88	57.12	60.48	62.72	64.96	61.96	58.05
1882	61.96	67.20	67.20	62.72	58.24	60.48	60.48	60.48	60.48	60.48	58.24	56.00	61.41
1883	53.76	52.64	51.52	50.40	50.40	50.40	50.40	49.28	49.28	49.28	49.28	47.04	50.30
1884	41.80	44.80	44.80	44.80	44.80	44.80	44.80	44.80	42.56	42.56	42.56	42.56	44.05
1885	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32	40.32
1886	41.44	42.56	42.56	42.56	42.56	42.56	42.56	42.56	43.68	44.80	44.80	44.80	43.12
1887	48.16	50.40	51.52	51.52	51.52	49.28	49.28	49.28	49.28	48.16	47.04	47.04	49.37
1888	49.28	49.28	47.04	43.68	42.56	41.44	42.56	42.56	44.80	47.04	44.80	44.80	44.99
1889	44.80	42.56	40.32	40.32	41.44	42.56	42.56	43.68	43.68	44.80	45.92	48.16	43.40

The highest price in any month in the above table was reached in August, 1864, \$170; the lowest price in January, 1879, throughout 1885, and in March and April, 1889, \$40.32.





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MISCELLANEOUS IRON.

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## MISCELLANEOUS IRON

The titles of Table IV and its sub-tables are as follows:

TABLE IV.—*Cost of Production of Miscellaneous Iron at Various Establishments in Various States.*

- A.—Period covered and quantity of product.
- B.—Quantity and cost of materials used.
- C.—Proportions of materials used.
- D.—General statement of cost for the period.
- E.—Elements of cost in one ton of 2,240 pounds.
- F.—Per cent. of each element of cost in one ton of 2,240 pounds.
- G.—Additional cost of certain theoretical elements.
- H.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

In these tables are shown the costs of certain miscellaneous iron products such as beams, plates, rails, sheet iron, etc. In most cases an establishment produces several different articles of numerous sizes, and the cost is for the mixed product. The leading product is that mentioned in the column of description; sometimes that is the only product though there may be several sizes. Of course, the results would have been much more valuable if the facts for each particular article or size had been shown separately, but the account books of the establishments would not allow of this. Manufacturers in this line of products do not devote themselves to specialties to an extent that would permit definite units to be selected for investigation; still the results are likely to have a certain value sufficient to warrant their presentation here.

The tables need very little explanation. Note should be taken of the varying materials used for obtaining a like product as this may affect not only the total cost, but the sub-division of cost between labor and materials. For instance, establishment number 15 uses much bar iron to make ship and boiler plates. Of course there will be a very low cost for labor here compared with establishments 12, 13, and 14 which use pig iron and iron ore.

TABLE IV.—COST OF PRODUCTION OF MISCELLANEOUS IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES.

## A.—PERIOD COVERED AND QUANTITY OF PRODUCT.

Estab- lish- ment num- ber.	Locality.	Period covered.		Miscellaneous iron produced.			Trains of rolls.
		Terminal dates.	Days of run- ning time.	Description.	Tons of 2,240 pounds.		
					Total.	Per day.	
1	United States.	Aug. 11, 1888, to Aug. 10, 1889	152	Bars and plates ....	18, 872	124	4
2	Continent of Europe.	Apr. 1, 1889, to June 30, 1889	(a)	Bars (half finished)	1, 449	(a)	(a)
3	do .....	July 1, 1889, to Sept. 30, 1889	(a)	Bars (half finished).	1, 494	(a)	(a)
4	do .....	Oct. 1, 1889, to Dec. 31, 1889	(a)	Bars (half finished).	1, 798	(a)	(a)
5	do .....	1889 (b) .....	(a)	Bars (roughed-down)	(a)	(a)	(a)
6	do .....	Jan. 1, 1889, to Dec. 31, 1889	295	Bars (roughed-down)	10, 901	37	1
7	do .....	1889 (b) .....	(a)	Beams .....	(a)	(a)	(a)
8	do .....	Jan. 1, 1889, to Dec. 31, 1889	290	Beams, plates, etc ..	27, 157	94	1
9	do .....	Jan. 1, 1889, to Dec. 31, 1889	295	Beams, rails, etc....	14, 060	48	1
10	do .....	1889 (b) .....	(a)	Plates .....	(a)	(a)	(a)
11	do .....	1889 (b) .....	(a)	Plates (ordinary quality).	(a)	(a)	(a)
12	United States.	June 3, 1889, to June 16, 1889	11	Plates (boiler) .....	225	20	3
13	do .....	June 3, 1889, to June 7, 1889	5	Plates (flue) .....	50	10	1
14	do .....	Jan. 1, 1889, to Jan. 14, 1889	11	Plates (tank) .....	800	73	2
15	Great Britain.	Jan. 1, 1889, to June 30, 1889	137	Plates (boiler, ship, etc.)	13, 823	101	(a)
16	United States.	Oct. 1, 1889, to Oct. 17, 1889	15	Sheet iron .....	107	7	5
17	do .....	July 1, 1889, to Sept. 30, 1889	54	Sheet iron .....	435	8	5
18	do .....	July 1, 1889, to Dec. 31, 1889	51	Sheet iron .....	726	14	5
19	do .....	Jan. 1, 1889, to Dec. 31, 1889	198	Skelp iron .....	8, 189	41	2
20	Continent of Europe.	1889 (b) .....	(a)	Slabs .....	(a)	(a)	(a)

a Not reported.

b The terminal dates are not reported.



TABLE IV.—COST OF PRODUCTION OF MISCELLANEOUS IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## B.—QUANTITY AND COST OF MATERIALS USED.

[Establishments numbers 1, 12 to 14, and 16 to 19 are in the United States; numbers 2 to 11, and 20 are on the continent of Europe; and number 15 is in Great Britain.]

Es- tab- lish- ment num- ber.	Tons of 2,240 pounds.				Cost.				
	Muck bar.	Pig iron.	Scrap.	Other.	Muck bar.	Pig iron.	Scrap.	Other.	Total.
1	.....	17, 850	2, 250	<i>a</i> 3, 187	.....	\$286, 250	\$39, 375	<i>a</i> \$16, 732	\$342, 357
2	<i>b</i> 1, 613	.....	( <i>b</i> )	.....	\$28, 418	.....	384	.....	28, 802
3	<i>b</i> 1, 664	.....	( <i>b</i> )	.....	31, 407	.....	385	.....	31, 792
4	<i>b</i> 1, 929	.....	( <i>b</i> )	.....	36, 927	.....	554	.....	37, 481
5	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )
6	7, 929	.....	7, 505	<i>d</i> 336	128, 283	.....	77, 264	<i>d</i> 6, 716	212, 263
7	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )
8	<i>e</i> 34, 611	.....	431	<i>d</i> 550	<i>e</i> 586, 657	.....	4, 439	<i>d</i> 9, 326	600 422
9	<i>e</i> 15, 133	.....	3, 521	<i>d</i> 251	<i>e</i> 258, 750	.....	36, 245	<i>d</i> 4, 261	299, 256
10	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )
11	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )
12	.....	252	.....	( <i>f</i> )	.....	3, 780	.....	<i>a</i> 363	4, 143
13	.....	63	.....	<i>a</i> 12	.....	1, 000	.....	<i>a</i> 70	1, 070
14	.....	1, 000	.....	<i>a</i> 200	.....	16, 000	.....	<i>a</i> 1, 200	17, 200
15	16, 332	.....	636	<i>d</i> 252	263, 956	.....	7, 166	<i>d</i> 3, 709	274, 831
16	.....	134	31	( <i>f</i> )	.....	2, 346	539	<i>a</i> 182	3, 067
17	.....	544	74	( <i>f</i> )	.....	9, 537	2, 189	<i>a</i> 738	12, 464
18	.....	907	123	<i>a</i> 206	.....	15, 918	3, 654	<i>a</i> 1, 234	20, 806
19	8, 911	.....	.....	.....	249, 741	.....	.....	.....	249, 741
20	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )

*a* Iron ore.

*b* The quantity of scrap is inseparably combined with the quantity of muck bar.

*c* Not reported.

*d* Old rails.

*e* Muck bar and roughed-down bar.

*f* Iron ore is used, but the quantity is not reported.

TABLE IV.—COST OF PRODUCTION OF MISCELLANEOUS IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## C.—PROPORTIONS OF MATERIALS USED.

[Establishments numbers 1, 12 to 14, and 16 to 19 are in the United States; numbers 2 to 11, and 20 are on the continent of Europe; and number 15 is in Great Britain.]

Establishment number.	Pounds of materials to one ton of product.				Cost of materials per ton of 2,240 pounds.			
	Muck bar.	Pig iron.	Scrap.	Other.	Muck bar.	Pig iron.	Scrap.	Other.
1	-----	2, 119	267	a 378	-----	\$16. 036	\$17. 500	a \$5. 250
2	b 2, 494	-----	(b)	-----	b \$17. 856	-----	(b)	-----
3	b 2, 495	-----	(b)	-----	b 19. 106	-----	(b)	-----
4	b 2, 403	-----	(b)	-----	b 19. 430	-----	(b)	-----
5	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
6	1, 629	-----	1, 542	d 81	16. 179	-----	10. 295	d 16. 960
7	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
8	e 2, 855	-----	36	d 45	e 16. 950	-----	10. 299	d 16. 956
9	e 2, 411	-----	561	d 40	e 17. 098	-----	10. 294	d 16. 976
10	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
11	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)
12	-----	2, 509	-----	(f)	-----	15. 000	-----	(f)
13	-----	2, 822	-----	a 538	-----	15. 873	-----	a 5. 833
14	-----	2, 800	-----	a 560	-----	16. 000	-----	a 6. 000
15	2, 646	-----	103	d 41	16. 162	-----	11. 267	d 14. 718
16	-----	2, 805	619	(f)	-----	17. 507	17. 387	(f)
17	-----	2, 801	381	(f)	-----	17. 531	29. 581	(f)
18	-----	2, 800	380	a 636	-----	17. 550	29. 707	a 5. 990
19	2, 437	-----	-----	-----	28. 026	-----	-----	-----
20	(c)	(c)	(c)	(c)	(c)	(c)	(c)	(c)

a Iron ore.

b The quantity and cost of scrap are inseparably combined with the quantity and cost of muck bar.

c Not reported.

d Old rails.

e Muck bar and roughed-down bar.

f Iron ore is used, but neither the quantity nor the cost per ton is reported.

TABLE IV.—COST OF PRODUCTION OF MISCELLANEOUS IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## D.—GENERAL STATEMENT OF COST FOR THE PERIOD.

[Establishments numbers 1, 12 to 14, and 16 to 19 are in the United States; numbers 2 to 11, and 20 are on the continent of Europe; and number 15 is in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Es- tab- lish- ment num- ber.	Materials.			Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
	Gross.	Value of cinder, scrap, etc.	Net.						
1	\$342,357	\$39,375	\$302,982	<i>a</i> \$221,063	\$15,000	\$32,214	\$21,645	\$5,543	\$598,447
2	28,802	804	27,998	1,727	<i>b</i> 591	384	1,148	( <i>b</i> )	31,848
3	31,792	825	30,967	1,793	<i>b</i> 511	371	832	( <i>b</i> )	34,474
4	37,481	1,451	36,030	2,120	<i>b</i> 671	559	967	( <i>b</i> )	40,347
5	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )
6	212,263	28,016	184,247	10,237	1,016	10,061	6,579	403	212,546
7	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )
8	600,422	51,162	549,260	34,689	2,283	25,136	27,477	1,004	639,849
9	299,256	27,486	271,770	18,117	1,355	13,013	12,208	520	316,983
10	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )
11	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )
12	4,143	45	4,098	<i>a</i> 2,182	234	625	405	45	7,589
13	1,070	68	1,002	<i>a</i> 674	50	275	200	20	2,221
14	17,200	( <i>c</i> )	<i>d</i> 17,200	<i>a</i> 8,800	200	4,200	2,800	240	<i>d</i> 33,440
15	274,831	8,720	266,111	46,019	940	19,589	12,260	180	345,099
16	3,067	120	2,947	<i>a</i> 2,332	186	854	485	11	6,815
17	12,464	488	11,976	<i>a</i> 9,362	755	3,450	1,976	42	27,561
18	20,806	814	19,992	<i>a</i> 13,779	1,260	5,794	3,291	71	44,187
19	249,741	18,145	231,596	34,732	5,450	10,873	6,904	97	289,652
20	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )	( <i>c</i> )

*a* The high cost for labor is due to using pig iron and ore.

*b* The expenditures for taxes are inseparably combined with those for officials and clerks.

*c* Not reported.

*d* Includes value of cinder, scrap, etc., produced during the period.

TABLE IV.—COST OF PRODUCTION OF MISCELLANEOUS IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## E.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.

[Establishments numbers 1, 12 to 14 and 16 to 19 are in the United States; numbers 2 to 11, and 20 are on the continent of Europe; and number 15 is in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.						Labor.	Officials and cl'ks.	Fuel.	Supplies and repairs.	Taxes	Total	
	Gross.					Value of cinder, scrap, etc.							Net.
	Muck bar.	Pig iron.	Scrap.	Other.	Total.								
1 .....		\$15.168	\$2.086	<i>a</i> \$0.887	\$18.141	\$2.086	\$16.055	<i>b</i> \$11.714	\$0.795	\$1.707	\$1.147	\$0.293	\$31.711
2 .....	\$19.612		.265		19.877	.555	19.322	1.192	<i>c</i> .408	.265	.792	( <i>c</i> )	21.979
3 .....	21.022		.258		21.280	.552	20.728	1.200	<i>c</i> .342	.248	.557	( <i>c</i> )	23.075
4 .....	20.538		.308		20.846	.807	20.039	1.179	<i>c</i> .373	.311	.538	( <i>c</i> )	22.440
5 .....	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	21.432	1.628	( <i>d</i> )	.863	.998	( <i>d</i> )	<i>e</i> 24.921
6 .....	11.769		7.087	<i>f</i> .616	19.472	2.570	16.902	.939	.093	.923	.604	.037	19.498
7 .....	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	15.099	2.784	<i>g</i> .675	.686	.998	( <i>g</i> )	<i>h</i> 20.242
8 .....	21.602		.164	<i>f</i> .343	22.109	1.884	20.225	1.277	.084	.926	1.012	.037	23.561
9 .....	18.403		2.578	<i>f</i> .303	21.284	1.955	19.329	1.289	.096	.926	.868	.037	22.545
10 .....	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	30.982	1.863	<i>g</i> .863	1.235	.957	( <i>g</i> )	<i>h</i> 35.900
11 .....	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	28.335	1.863	<i>g</i> .863	1.235	.823	( <i>g</i> )	<i>h</i> 33.119
12 .....		16.800		<i>a</i> 1.613	18.413	.200	18.213	<i>b</i> 9.698	1.040	2.778	1.800	.200	33.729
13 .....		20.000		<i>a</i> 1.400	21.400	1.360	20.040	<i>b</i> 13.480	1.000	5.500	4.000	.400	44.420
14 .....		20.000		<i>a</i> 1.500	21.500	( <i>d</i> )	<i>k</i> 21.500	<i>b</i> 11.000	.250	5.250	3.500	.300	<i>k</i> 41.800
15 .....	19.088		.518	<i>f</i> .269	19.875	.631	19.244	3.328	.068	1.417	.887	.013	24.957
16 .....		21.925	5.058	<i>a</i> 1.701	28.664	1.121	27.543	<i>b</i> 21.794	1.738	7.981	4.533	.103	63.692
17 .....		21.924	5.032	<i>a</i> 1.697	28.653	1.122	27.531	<i>b</i> 21.522	1.736	7.931	4.512	.097	63.359
18 .....		21.925	5.033	<i>a</i> 1.700	28.658	1.121	27.537	<i>b</i> 18.979	1.736	7.981	4.533	.098	60.864
19 .....	30.497				30.497	2.216	28.281	4.241	.666	1.328	.843	.012	35.371
20 .....	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	16.511	1.353	( <i>d</i> )	.775	.982	( <i>d</i> )	<i>e</i> 19.621

*a* Iron ore.

*b* The high cost for labor is due to using pig iron and ore.

*c* The expenditures for taxes are inseparably combined with those for officials and clerks.

*d* Not reported.

*e* Not including officials and clerks and taxes.

*f* Old rails.

*g* The expenditures for taxes and insurance are inseparably combined with those for officials and clerks.

*h* Including insurance.

*i* Muck bar and roughed-down bar.

*k* Includes value of cinder, scrap, etc., produced during the period per ton of product.



TABLE IV.—COST OF PRODUCTION OF MISCELLANEOUS IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS.

[Establishments numbers 1, 12 to 14, and 16 to 19 are in the United States; numbers 2 to 11, and 20 are on the continent of Europe; and number 15 is in Great Britain. This table is based on the preceding one, and to avoid duplicating the notes, which would be the same in substance, they are here omitted and the reader is referred to that table for such information as they furnish.]

Establishment number.	Materials (net).	Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
1 .....	50.63	36.94	2.51	5.38	3.62	.92	100
2 .....	87.91	5.42	1.86	1.21	3.60	.....	100
3 .....	89.83	5.20	1.48	1.08	2.41	.....	100
4 .....	89.30	5.25	1.66	1.39	2.40	.....	100
5 .....	86.00	6.53	.....	3.46	4.01	.....	100
6 .....	86.68	4.82	.48	4.73	3.10	.19	100
7 .....	74.59	13.75	3.34	3.39	4.93	.....	100
8 .....	85.84	5.42	.36	3.93	4.29	.16	100
9 .....	85.73	5.72	.43	4.11	3.85	.16	100
10 .....	86.30	5.19	2.40	3.44	2.67	.....	100
11 .....	85.55	5.63	2.61	3.73	2.48	.....	100
12 .....	54.00	28.75	3.08	8.24	5.34	.59	100
13 .....	45.11	30.35	2.25	12.38	9.01	.90	100
14 .....	51.43	26.32	.60	12.56	8.37	.72	100
15 .....	77.11	13.34	.27	5.68	3.55	.05	100
16 .....	43.24	34.22	2.73	12.53	7.12	.16	100
17 .....	43.45	33.97	2.74	12.52	7.17	.15	100
18 .....	45.25	31.18	2.85	13.11	7.45	.16	100
19 .....	79.96	11.99	1.88	3.76	2.38	.03	100
20 .....	84.15	6.90	.....	3.95	5.00	.....	100

TABLE IV.—COST OF PRODUCTION OF MISCELLANEOUS IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.

[Establishments numbers 1, 12 to 14, and 16 to 19 are in the United States; numbers 2 to 11, and 20 are on the continent of Europe; and number 15 is in Great Britain.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$2,088	(a)	(a)	b \$2,088
2.....	(a)	(a)	(a)	(a)
3.....	(a)	(a)	(a)	(a)
4.....	(a)	(a)	(a)	(a)
5.....	(a)	(a)	(a)	(a)
6.....	27	\$1,063	.....	1,090
7.....	(a)	(a)	(a)	(a)
8.....	68	2,648	.....	2,716
9.....	35	1,371	.....	1,406
10.....	(a)	(a)	(a)	(a)
11.....	(a)	(a)	(a)	(a)
12.....	41	108	.....	149
13.....	10	(a)	.....	c 10
14.....	200	552	.....	752
15.....	28	(a)	(a)	b 28
16.....	13	60	.....	93
17.....	51	324	.....	375
18.....	86	545	.....	631
19.....	150	(a)	(a)	b 150
20.....	.....	(a)	(a)	(a)

a Not reported.

b Not including interest and depreciation of value of plant.

c Not including interest.

TABLE IV.—COST OF PRODUCTION OF MISCELLANEOUS IRON AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Concluded.

## II.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS.

[Establishments numbers 1, 12 to 14, and 16 to 19 are in the United States; numbers 2 to 11, and 20 are on the continent of Europe; and number 15 is in Great Britain.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$0.111	(a)	(a)	b \$0.111
2.....	(a)	(a)	(a)	(a)
3.....	(a)	(a)	(a)	(a)
4.....	(a)	(a)	(a)	(a)
5.....	(a)	(a)	(a)	(a)
6.....	.002	\$0.098	.....	.100
7.....	(a)	(a)	(a)	(a)
8.....	.003	.098	.....	.101
9.....	.002	.098	.....	.100
10.....	(a)	(a)	(a)	(a)
11.....	(a)	(a)	(a)	(a)
12.....	.182	.480	.....	.662
13.....	.200	(a)	.....	c .200
14.....	.250	.690	.....	.940
15.....	.002	(a)	(a)	b .002
16.....	.121	.748	.....	.869
17.....	.117	.745	.....	.862
18.....	.118	.751	.....	.869
19.....	.018	(a)	(a)	b .018
20.....	.....	(a)	(a)	(a)

a Not reported.

b Not including interest and depreciation of value of plant.

c Not including interest.





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STEEL INGOTS.

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## STEEL INGOTS.

The titles of Table V and its sub-tables are as follows:

TABLE V.—*Cost of Production of Steel Ingots at Various Establishments in Various States.*

- A.—Period covered and quantity of product.
- B.—Quantity and cost of materials used.
- C.—Proportions of materials used.
- D.—General statement of cost for the period.
- E.—Elements of cost in one ton of 2,240 pounds.
- F.—Per cent. of each element of cost in one ton of 2,240 pounds.
- G.—Additional cost of certain theoretical elements.
- H.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

As may be seen, the plan of tabulation for the facts relating to the production of steel ingots is as nearly identical as is possible with that pursued in the preceding industries. The usual summarizing will be found at the end of the table.

TABLE V.—COST OF PRODUCTION OF STEEL INGOTS AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES.

## A.—PERIOD COVERED AND QUANTITY OF PRODUCT.

[Note to this edition of the report on Cost of Production of Iron, Steel, Coal, etc.—After a small number of copies of this report had been printed and distributed containing the figures for establishments 6 and 8 serious errors were found in these figures and, therefore, they have been withdrawn in this edition.]

Establishment number.	Locality.	Period covered.		Ingots produced.				No. of converters.
		Terminal dates.	Days of running time.	Description.		Tons of 2,240 pounds.		
				Process.	Used mainly for—	Total.	Per day.	
1	United St's.	Jan. 1, 1889, to Dec. 31, 1889	126	Bessemer ..	Wire .....	51,479	432	2
2	....do .....	Jan. 7, 1889, to July 1, 1889	117	Bessemer ..	Nails .....	28,343	242	2
3	....do .....	Jan. 1, 1889, to Dec. 31, 1889	244	Bessemer ..	Ship and boiler plates, bars, and wire.	116,880	479	2
4	....do .....	Jan. 3, 1889, to Jan. 4, 1890	167	Bessemer ..	Nails .....	24,617	147	2
5	....do .....	July 1, 1889, to Dec. 31, 1889	<i>a</i> 150	Open hearth	Ship and boiler plates.	<i>a</i> 4,000	<i>a</i> 27	<i>b</i> 2
7	....do .....	Jan. 1, 1889, to Jan. 4, 1890	199	Bessemer ..	Nails .....	68,790	346	2
9	Continent of Europe.	July 1, 1888, to June 30, 1889	140	Bessemer ..	Rails, bars, tires, and springs.	22,614	162	2
10	....do .....	July 1, 1888, to June 30, 1889	274	Thomas ....	Rails, railway ties, fish-plates, etc.	37,016	135	2
11	....do .....	Jan. 13, 1889, to Apr. 6, 1889	65	Siemens-Martin.	Plates .....	2,533	39	<i>b</i> 1
12	....do .....	Jan. 13, 1889, to Apr. 6, 1889	70	Bessemer ( <i>c</i> )	Rails .....	<i>d</i> 19,470	<i>d</i> 278	2
13	....do .....	Jan. 13, 1889, to Apr. 6, 1889	70	Bessemer ..	Springs, bars, shafting, and machinery.	<i>e</i> 4,206	<i>e</i> 60	2
14	....do .....	Nov. 1, 1889, to Nov. 30, 1889	<i>a</i> 25	Thomas ....	Rails .....	<i>a</i> 3,788	<i>a</i> 152	2
15	....do .....	Apr. 1, 1889, to Mar. 31, 1890	( <i>f</i> )	Thomas ....	Rails, plates, etc.	( <i>f</i> )	( <i>f</i> )	( <i>f</i> )
16	....do .....	Jan. 1, 1888, to Dec. 31, 1888	( <i>f</i> )	Thomas ....	Rails, plates, etc.	54,978	( <i>f</i> )	3
17	Great Brit.	Jan. 1, 1889, to June 30, 1889	139	Bessemer ..	Railway sleepers.	26,569	191	2
18	....do .....	Jan. 1, 1889, to June 30, 1889	136	Siemens-Martin.	Ship plates..	19,944	147	<i>b</i> 6
19	....do .....	Jan. 1, 1889, to June 30, 1889	( <i>f</i> )	Bessemer ..	Rails .....	50,611	( <i>f</i> )	( <i>f</i> )
20	....do .....	Mar. 29, 1888, to Sept. 29, 1888	134	Bessemer ..	Rails .....	68,451	511	6
21	....do .....	July 28, 1889, to Aug. 3, 1889	6	Siemens-Martin.	Ship plates ..	2,435	406	<i>b</i> 16

*a* Only one turn per day is worked in this establishment.

*b* Furnaces.

*c* Direct process.

*d* The establishment also produced during the period 4,206 tons by the indirect process.

*e* The establishment also produced during the period 19,470 tons by the direct process.

*f* Not reported.



TABLE V.—COST OF PRODUCTION OF **STEEL INGOTS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**B.—QUANTITY AND COST OF MATERIALS USED.**

[Establishments numbers 1 to 8 are in the United States; numbers 9 to 16 are on the continent of Europe; and numbers 17 to 21 are in Great Britain. Note to this edition of the report on Cost of Production of Iron, Steel, Coal, etc.—After a small number of copies of this report had been printed and distributed containing the figures for establishments 6 and 8 serious errors were found in these figures and, therefore, they have been withdrawn in this edition.]

Establishment number.	Tons of 2,240 pounds.				Cost.				
	Pig iron.	Scrap.	Ferromanganese.	Other.	Pig iron.	Scrap.	Ferromanganese.	Other.	Total.
1.....	55,916	5,381	429	a 1,157	\$935,776	\$84,634	\$24,462	a\$31,375	\$1,076,247
2.....	30,177	647	256	.....	491,335	10,626	13,280	.....	515,241
3.....	114,944	22,015	3,821	.....	1,846,175	344,688	149,321	.....	2,340,184
4.....	25,565	1,256	229	.....	434,605	21,352	15,148	.....	471,105
5.....	750	3,075	40	b 450	11,200	61,500	2,600	b 13,500	88,850
7.....	73,488	.....	765	.....	1,249,296	.....	43,146	.....	1,292,442
9.....	c 25,509	.....	.....	(c)	c 333,480	.....	.....	(c)	333,480
10.....	c 44,493	.....	.....	(c)	c 489,307	.....	.....	(c)	489,307
11.....	d 2,719	(d)	(d)	(d)	d 33,164	(d)	(d)	(d)	33,164
12.....	d 22,813	(d)	(d)	(d)	d 272,487	(d)	(d)	(d)	272,487
13.....	d 4,728	(d)	(d)	(d)	d 56,525	(d)	(d)	(d)	56,525
14.....	4,271	14	23	a 193	44,873	211	1,085	a 4,220	50,389
15.....	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)	(e)
16.....	f 65,314	(f)	.....	(f)	f 745,447	(f)	.....	(f)	745,447
17.....	28,915	1,670	186	a 153	336,335	18,286	9,362	a 2,983	366,966
18.....	14,536	7,301	193	g 3,312	165,032	84,793	8,275	g 13,355	271,455
19.....	49,974	3,733	160	a 4,481	576,425	41,858	8,279	a 81,272	707,834
20.....	71,248	4,732	.....	a 4,669	723,473	38,647	.....	a 92,153	854,273
21.....	2,098	377	26	g 650	h 27,561	h 4,800	h 1,170	g, h 2,965	h 36,496

a Spiegeleisen.

b Extra puddled muck bar iron.

c The quantity and cost of other material (spiegeleisen) are inseparably combined with the quantity and cost of pig iron.

d The quantities and costs of all other materials are inseparably combined with the quantity and cost of pig iron.

e Not reported.

f The quantities and costs of scrap and other material (spiegeleisen) are inseparably combined with the quantity and cost of pig iron.

g Iron ore.

h Net cost; the value of the cinder, scrap, etc., has been deducted.

TABLE V.—COST OF PRODUCTION OF **STEEL INGOTS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**C.—PROPORTIONS OF MATERIALS USED.**

[Establishments numbers 1 to 8 are in the United States; numbers 9 to 16 are on the continent of Europe; and numbers 17 to 21 are in Great Britain. Note to this edition of the report on Cost of Production of Iron, Steel, Coal, etc.—After a small number of copies of this report had been printed and distributed containing the figures for establishments 6 and 8 serious errors were found in these figures and, therefore, they have been withdrawn in this edition.]

Establishment number.	Pounds of materials to one ton of product.				Cost of materials per ton of 2,240 pounds.			
	Pig iron.	Scrap.	Ferromanganese.	Other.	Pig iron.	Scrap.	Ferromanganese.	Other.
1.....	2,299	221	18	<i>a</i> 48	\$16.735	\$15.728	\$57.021	<i>a</i> \$27.118
2.....	2,385	51	20	.....	16.282	16.423	51.875	.....
3.....	2,203	422	73	.....	16.062	15.657	39.079	.....
4.....	2,326	114	21	.....	17.000	17.000	66.148	.....
5.....	420	1,722	22	<i>b</i> 252	15.000	20.000	65.000	<i>b</i> 30.000
7.....	2,393	.....	25	.....	17.000	.....	56.400	.....
9.....	<i>c</i> 2,527	.....	.....	( <i>c</i> )	<i>c</i> 13.073	.....	.....	( <i>c</i> )
10.....	<i>c</i> 2,692	.....	.....	( <i>c</i> )	<i>c</i> 10.997	.....	.....	( <i>c</i> )
11.....	<i>d</i> 2,404	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	<i>d</i> 12.197	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )
12.....	<i>d</i> 2,625	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	<i>d</i> 11.944	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )
13.....	<i>d</i> 2,518	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	<i>d</i> 11.955	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )
14.....	2,526	8	14	<i>a</i> 114	10.506	15.071	47.174	<i>a</i> 21.865
15.....	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )	( <i>e</i> )
16.....	<i>f</i> 2,661	( <i>f</i> )	.....	( <i>f</i> )	<i>f</i> 11.413	( <i>f</i> )	.....	( <i>f</i> )
17.....	2,438	141	16	<i>a</i> 13	11.632	10.950	50.333	<i>a</i> 19.497
18.....	1,633	820	22	<i>g</i> 372	11.353	11.614	42.876	<i>g</i> 4.032
19.....	2,212	165	7	<i>a</i> 198	11.534	11.213	51.744	<i>a</i> 18.137
20.....	2,331	155	.....	<i>a</i> 153	10.154	8.167	.....	<i>a</i> 19.737
21.....	1,930	347	24	<i>g</i> 598	<i>h</i> 13.137	<i>h</i> 12.732	<i>h</i> 45.000	<i>g, h</i> 4.562

*a* Spiegeleisen.

*b* Extra puddled muck bar iron.

*c* The quantity and cost of other material (spiegeleisen) are inseparably combined with the quantity and cost of pig iron.

*d* The quantities and costs of all other materials are inseparably combined with the quantity and cost of pig iron.

*e* Not reported.

*f* The quantities and costs of scrap and other material (spiegeleisen) are inseparably combined with the quantity and cost of pig iron.

*g* Iron ore.

*h* Net cost; the value of the cinder, scrap, etc., has been deducted.

TABLE V.—COST OF PRODUCTION OF **STEEL INGOTS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**D.—GENERAL STATEMENT OF COST FOR THE PERIOD.**

[Establishments numbers 1 to 8 are in the United States; numbers 9 to 16 are on the continent of Europe; and numbers 17 to 21 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included. Note to this edition of the report on Cost of Production of Iron, Steel, Coal, etc.—After a small number of copies of this report had been printed and distributed containing the figures for establishments 6 and 8 serious errors were found in these figures and, therefore, they have been withdrawn in this edition.]

Establishment number.	Materials.			Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
	Gross.	Value of cinder, scrap, etc.	Net.						
1 .....	\$1, 076, 247	\$526	\$1, 075, 721	\$99, 891	\$15, 000	\$43, 252	\$45, 278	\$5, 000	\$1, 284, 142
2 .....	515, 241	2, 483	512, 758	54, 500	3, 287	10, 840	29, 768	341	611, 494
3 .....	2, 340, 184	59, 655	2, 280, 529	177, 978	12, 600	107, 408	52, 900	1, 200	2, 632, 615
4 .....	471, 105	783	470, 322	41, 639	2, 850	11, 324	37, 058	360	563, 553
5 .....	88, 850	6, 800	82, 050	12, 000	1, 000	7, 600	6, 800	100	109, 550
7 .....	1, 292, 442	1, 225	1, 291, 217	118, 042	3, 505	36, 837	42, 377	413	1, 492, 391
9 .....	333, 480	2, 217	331, 263	15, 513	1, 583	12, 018	24, 559	249	385, 185
10 .....	489, 307	2, 178	487, 129	38, 015	3, 655	23, 663	75, 994	555	629, 021
11 .....	33, 164	286	32, 878	2, 473	273	2, 847	3, 960	37	42, 468
12 .....	272, 487	3, 934	268, 553	8, 548	1, 830	12, 998	14, 231	195	306, 355
13 .....	56, 525	(a)	56, 525	3, 588	530	4, 038	5, 888	42	670, 611
14 .....	50, 389	223	50, 166	3, 834	1, 070	3, 234	4, 086	(a)	62, 390
15 .....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
16 .....	745, 447	43, 268	702, 179	57, 012	d 24, 685	30, 183	77, 519	(d)	891, 578
17 .....	366, 966	5, 478	361, 488	17, 240	4, 915	6, 337	14, 368	522	404, 870
18 .....	271, 455	7, 440	264, 015	31, 683	1, 358	17, 552	21, 606	180	376, 394
19 .....	707, 834	11, 431	696, 403	36, 093	2, 463	47, 231	32, 974	634	815, 798
20 .....	854, 273	7, 274	846, 999	38, 469	3, 291	21, 851	51, 637	388	962, 635
21 .....	(a)	(a)	36, 496	4, 147	195	2, 332	e 1, 185	(e)	44, 355

a Not reported.

b Includes the value of cinder, scrap, etc., produced during the period.

c Not including taxes.

d The expenditures for taxes are inseparably combined with those for officials and clerks.

e The expenditures for taxes are inseparably combined with those for supplies and repairs.

TABLE V.—COST OF PRODUCTION OF STEEL INGOTS AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## E.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.

[Establishments numbers 1 to 8 are in the United States; numbers 9 to 16 are on the continent of Europe; and numbers 17 to 21 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included. Note to this edition of the report on Cost of Production of Iron, Steel, Coal, etc.—After a small number of copies of this report had been printed and distributed containing the figures for establishments 6 and 8 serious errors were found in these figures and, therefore, they have been withdrawn in this edition.]

Establishment number.	Materials.						Labor	Officials and cl'ks.	Fuel.	Supplies and repairs.	Taxes	Total.	
	Gross.					Value of cinder, scrap, etc.							Net.
	Pig iron.	Scrap.	Ferromanganese	Other.	Total.								
1 ....	\$17.177	\$1.553	\$0.449	<i>a</i> \$0.576	\$19.755	\$0.009	\$19.746	\$1.833	\$0.275	\$0.794	\$0.831	\$0.092	\$23.571
2 ....	17.335	.375	.469	.....	18.179	.038	18.091	1.923	.116	.383	1.050	.012	21.575
3 ....	15.795	2.949	1.278	.....	20.022	.510	19.512	1.522	.108	.919	.453	.010	22.524
4 ....	17.655	.867	.615	.....	19.137	.032	19.105	1.692	.116	.460	1.505	.015	22.893
5 ....	2.813	15.375	.650	<i>b</i> 3.375	22.213	1.700	20.513	3.000	.250	1.900	1.700	.025	27.388
7 ....	18.161	.....	.627	.....	18.788	.018	18.770	1.716	.051	.535	.616	.006	21.694
9 ....	<i>c</i> 14.747	.....	.....	( <i>c</i> )	14.747	.093	14.649	.686	.070	.531	1.086	.011	17.033
10 ....	<i>c</i> 13.219	.....	.....	( <i>c</i> )	13.219	.059	13.160	1.027	.099	.639	2.053	.015	16.993
11 ....	<i>d</i> 13.093	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	13.093	.113	12.980	.976	.108	1.124	1.563	.015	16.766
12 ....	<i>d</i> 13.995	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	13.995	.202	13.793	.439	.094	.668	.731	.010	15.735
13 ....	<i>d</i> 13.439	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	13.439	( <i>e</i> )	<i>f</i> 13.439	.853	.126	.960	1.400	.010	<i>f</i> 16.788
14 ....	11.846	.056	.286	<i>a</i> 1.114	13.302	.059	13.243	1.012	.282	.854	1.079	( <i>e</i> )	<i>g</i> 16.470
15 ....	<i>d</i> 13.719	( <i>d</i> )	( <i>d</i> )	( <i>d</i> )	13.719	1.049	12.670	1.013	<i>h</i> .612	.662	1.520	( <i>h</i> )	16.477
16 ....	<i>i</i> 13.559	( <i>i</i> )	.....	( <i>i</i> )	13.559	.787	12.772	1.037	<i>h</i> .449	.549	1.410	( <i>h</i> )	16.217
17 ....	12.659	.688	.353	<i>a</i> <sub>1</sub> 112	13.812	.206	13.606	.649	.185	.238	.541	.019	15.238
18 ....	8.275	4.251	.415	<i>j</i> .670	13.611	.373	13.238	1.589	.068	.880	1.083	.009	16.867
19 ....	11.389	.827	.164	<i>a</i> 1.606	13.986	.226	13.760	.713	.049	.933	.651	.013	16.119
20 ....	10.569	.565	.....	<i>a</i> 1.346	12.480	.106	12.374	.562	.048	.319	.754	.006	14.063
21 ....	<i>k</i> 11.319	<i>k</i> 1.971	<i>k</i> .480	<i>j</i> <i>k</i> 1.218	<i>k</i> 14.988	( <i>l</i> )	14.988	1.703	.080	.958	<i>m</i> .487	( <i>m</i> )	18.216

*a* Spiegeleisen.

*b* Extra puddled muck bar iron.

*c* The expenditures for other material (spiegeleisen) are inseparably combined with those for pig iron.

*d* The expenditures for all other materials are inseparably combined with those for pig iron.

*e* Not reported.

*f* Includes the value of cinder, scrap, etc., produced per ton of product.

*g* Not including taxes.

*h* The expenditures for taxes are inseparably combined with those for officials and clerks.

*i* The expenditures for scrap and other material (spiegeleisen) are inseparably combined with those for pig iron.

*j* Iron ore.

*k* Net cost.

*l* The value of the cinder, scrap, etc., produced has already been deducted.

*m* The expenditures for taxes are inseparably combined with those for supplies and repairs.



TABLE V.—COST OF PRODUCTION OF **STEEL INGOTS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 8 are in the United States; numbers 9 to 16 are on the continent of Europe; and numbers 17 to 21 are in Great Britain. This table is based on the preceding one, and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish. Note to this edition of the report on Cost of Production of Iron, Steel, Coal, etc.—After a small number of copies of this report had been printed and distributed containing the figures for establishments 6 and 8 serious errors were found in these figures and, therefore, they have been withdrawn in this edition.]

Establishment number.	Materials (net).	Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
1 .....	83.77	7.78	1.17	3.37	3.52	.39	100
2 .....	83.85	8.91	.54	1.77	4.87	.06	100
3 .....	86.63	6.76	.48	4.08	2.01	.04	100
4 .....	83.45	7.39	.51	2.01	6.57	.07	100
5 .....	74.90	10.95	.91	6.94	6.21	.09	100
7 .....	86.52	7.91	.23	2.47	2.84	.03	100
9 .....	86.00	4.03	.41	3.12	6.38	.06	100
10 .....	77.44	6.05	.58	3.76	12.08	.09	100
11 .....	77.42	5.82	.65	6.70	9.32	.09	100
12 .....	87.66	2.79	.60	4.24	4.65	.06	100
13 .....	80.05	5.08	.75	5.72	8.34	.06	100
14 .....	80.41	6.14	1.71	5.19	6.55	.....	100
15 .....	76.90	6.15	3.71	4.02	9.22	.....	100
16 .....	78.76	6.39	2.77	3.39	8.69	.....	100
17 .....	89.29	4.26	1.21	1.56	3.55	.13	100
18 .....	78.49	9.42	.40	5.22	6.42	.05	100
19 .....	85.37	4.42	.30	5.79	4.04	.08	100
20 .....	87.99	4.00	.34	2.27	5.36	.04	100
21 .....	82.28	9.35	.44	5.26	2.67	.....	100

TABLE V.—COST OF PRODUCTION OF **STEEL INGOTS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.**

[Establishments numbers 1 to 8 are in the United States; numbers 9 to 16 are on the continent of Europe; and numbers 17 to 21 are in Great Britain. Note to this edition of the report on Cost of Production of Iron, Steel, Coal, etc.—After a small number of copies of this report had been printed and distributed containing the figures for establishments 6 and 8 serious errors were found in these figures and, therefore, they have been withdrawn in this edition.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1 .....	\$600	\$19,000	.....	\$19,600
2 .....	700	.....	\$12,500	13,200
3 .....	30	.....	.....	30
7 .....	.....	3,187	.....	3,187
9 .....	90	.....	.....	90
10 .....	222	.....	.....	222
11 .....	(a)	.....	.....	(a)
12 .....	(a)	.....	.....	(a)
13 .....	(a)	.....	.....	(a)
14 .....	(a)	.....	.....	(a)
15 .....	(a)	.....	.....	(a)
16 .....	(a)	.....	.....	(a)
17 .....	.....	.....	.....	.....
18 .....	28	.....	.....	28
19 .....	.....	b 12,453	(b)	c 12,453
20 .....	.....	.....	.....	.....
21 .....	.....	.....	.....	.....

a Not reported.

b Depreciation of value of plant and expenses of London agency are inseparably combined with interest.

c Including expenses of London agency.

TABLE V.—COST OF PRODUCTION OF **STEEL INGOTS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Concluded.**H.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 8 are in the United States; numbers 9 to 16 are on the continent of Europe; and numbers 17 to 21 are in Great Britain. Note to this edition of the report on Cost of Production of Iron, Steel, Coal, etc.—After a small number of copies of this report had been printed and distributed containing the figures for establishments 6 and 8 serious errors were found in these figures and, therefore, they have been withdrawn in this edition.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$0.011	\$0.349		\$0.360
2.....				
3.....	.006		\$0.107	.113
4.....				
5.....	.008			.008
7.....		.046		.046
9.....	.004			.004
10.....	.006			.006
11.....	(a)			(a)
12.....	(a)			(a)
13.....	(a)			(a)
14.....	(a)			(a)
15.....	(a)			(a)
16.....	(a)			(a)
17.....				
18.....	.001			.001
19.....		b .246	(b)	c .246
20.....				
21.....				

a Not reported.

b Depreciation of value of plant and expenses of London agency are inseparably combined with interest.

c Including expenses of London agency.

**SUMMARY OF COST OF STEEL INGOTS (BESSEMER PROCESS) IN FIVE ESTABLISHMENTS IN THE UNITED STATES.**

[This summary is drawn from sub-tables A to H immediately preceding. The establishments covered are numbered 1 to 4, inclusive, and 7, being all the Bessemer steel ingot mills in the United States from which reports have been obtained. As may be seen the periods covered are irregular and are in the years 1889 and 1890. All statements in connection with this summary are revised in this edition to agree with the omissions referred to in the prefatory notes.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 293,109.	Average cost of one.
Materials (net).....	\$5,630,547	\$19.210
Labor.....	492,050	1.679
Officials and clerks.....	37,242	.127
Fuel.....	209,661	.715
Supplies and repairs.....	207,381	.707
Taxes.....	7,314	.025
Total.....	6,584,195	22.463

**SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.**

[Two establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. Three reported that they had no insurance. Two establishments gave the amount paid for interest; the aggregate of these makes the sum below. Three reported that there was no expenditure for interest. One establishment gave the amount charged to depreciation; which makes the sum below. Four reported that nothing was charged to depreciation. The sums entered in the first column below are, of course, apportioned in the second column among the whole five establishments.]

Insurance.....	\$1,300	\$0.004
Interest.....	22,187	.076
Depreciation of value of plant.....	12,500	.043
Total.....	35,987	.123

## SUMMARY OF COST OF STEEL INGOTS (BESSEMER PROCESS) IN THREE ESTABLISHMENTS ON THE CONTINENT OF EUROPE.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 9, 12, and 13, being all the Bessemer steel ingot mills on the continent of Europe from which reports were obtained. As may be seen the periods covered are irregular and are in the years 1888 and 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 46,290.	Average cost of one.
Materials (net) .....	\$556,341	\$14.179
Labor .....	27,649	.597
Officials and clerks .....	3,943	.085
Fuel .....	29,054	.628
Supplies and repairs .....	44,678	.955
Taxes .....	486	.011
Total .....	762,151	16.465

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[One establishment gave the amount paid for insurance, which makes the sum credited to this item below. For two the agent of the Department failed to obtain a statement. All three establishments reported that there was no expenditure for interest, and that nothing was charged to depreciation. The sum entered in the first column below is, of course, apportioned in the second column among the whole three establishments.]

Insurance .....	\$90	\$0.002
Interest .....		
Depreciation of value of plant .....		
Total .....	90	.002

## SUMMARY OF COST OF STEEL INGOTS (BESSEMER PROCESS) IN THREE ESTABLISHMENTS IN GREAT BRITAIN.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 17, 19, and 20, being all the Bessemer steel ingot mills in Great Britain from which reports were obtained. As may be seen the periods covered are of six months' duration and are in the years 1888 and 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 145,631.	Average cost of one.
Materials (net) .....	\$1,904,890	\$13.080
Labor .....	91,892	.630
Officials and clerks .....	10,869	.073
Fuel .....	75,419	.518
Supplies and repairs .....	98,979	.680
Taxes .....	1,544	.011
Total .....	2,183,303	14.992

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[All three establishments reported that they had no insurance. One establishment gave the amount paid for interest and the amount charged to depreciation in one sum, which is the sum below. Two reported that there was no expenditure for interest, and that nothing was charged to depreciation. The sum entered in the first column below is, of course, apportioned in the second column among the whole three establishments.]

Insurance .....		
Interest .....	a \$12,453	a \$0.086
Depreciation of value of plant .....	(a)	(a)
Total .....	12,453	.086

a The cost of depreciation is inseparably combined with the cost of interest.





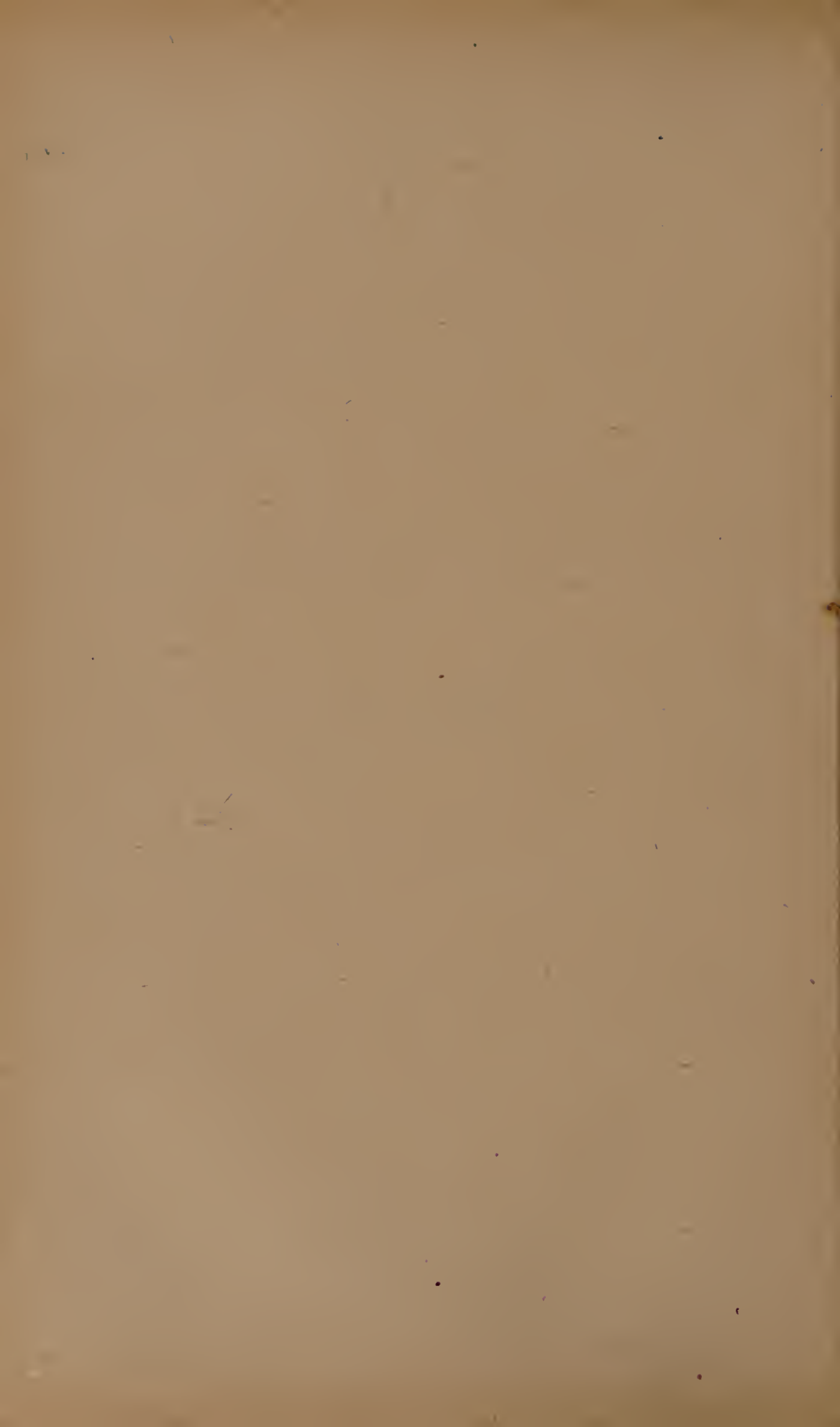
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## STEEL RAILS.

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H. Ex. 265—11.

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## STEEL RAILS.

The titles of Table VI and its sub-tables are as follows:

TABLE VI.—*Cost of Production of Steel Rails at Various Establishments in Various States.*

- A.—Period covered and quantity of product.
- B.—Quantity and cost of materials used.
- C.—Proportions of materials used.
- D.—General statement of cost for the period.
- E.—Elements of cost in one ton of 2,240 pounds.
- F.—Per cent. of each element of cost in one ton of 2,240 pounds.
- G.—Additional cost of certain theoretical elements.
- H.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

Table VI covers fewer establishments than is desirable. Every effort, however, has been made to secure information from a large number of establishments, the desire being to cover so many that the results would be accepted as thoroughly representative. As explained in the introduction, however, the Department did not succeed in securing such full and complete information. The steel rail manufacturers, not only of this country, but of Europe, are exceedingly sensitive on the matter of giving information relative to their great industry. It is a curious fact that while the producers of pig iron are not affected by this sensitiveness, it should so thoroughly prevail among steel rail manufacturers. Notwithstanding this feeling, thirteen establishments have been willing to furnish the Department with quite complete information. Of this number, two are in the United States, eight on the continent of Europe, and three in Great Britain. In addition to the proprietors of these thirteen establishments, the managers of several others have furnished us either with most important analytical information or positive statements as to the cost of making steel rails. We feel, therefore, that while this report lacks the returns from some of the very largest works in the United States and Great Britain, sufficient information has been secured to establish the approximate cost of the production of rails in these two countries. It is but due to the managers of great concerns in this country and abroad who have declined to furnish information, to say that the declination has always been made most courteously, and reasons sufficient to their minds have been given for the refusal. While believing that no possible harm, but on the contrary great good, would come from the disclosure of all the facts relating to the cost of production of steel rails, the writer nevertheless appreciates the position of the manufacturer who declines to furnish the information.

The days of running time reported are full days of two turns each.

The supplementary tables concerning the reported cost of insurance, interest, and depreciation (sub-tables G and H) are very incomplete.

TABLE VI.—COST OF PRODUCTION OF **STEEL RAILS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES.

**A.—PERIOD COVERED AND QUANTITY OF PRODUCT.**

Establishment number.	Locality.	Period covered.		Rails produced.		
		Terminal dates.	Days of running time.	Description (pounds per yard).	Tons of 2,240 pounds.	
					Total.	Per day.
1	United States.....	July 15, 1889, to July 27, 1889.	11	(a)	4,382	398
2	do .....	Jan. 1, 1889, to Dec. 31, 1889.	258	62.7	113,460	440
3	Continent of Europe.....	Jan. 13, 1889, to Apr. 6, 1889.	70	(b)	14,914	213
4	do .....	Jan. 1, 1889, to Dec. 31, 1889.	(a)	71.0	(a)	(a)
5	do .....	Jan. 1, 1889, to Dec. 31, 1889.	(a)	19.1	(a)	(a)
6	do .....	Apr. 1, 1888, to Mar. 31, 1889.	(a)	67.3	(a)	(a)
7	do .....	Apr. 1, 1889, to Mar. 31, 1890.	(a)	67.3	(a)	(a)
8	do .....	Apr. 1, 1889, to Mar. 31, 1890.	(a)	(c)	(a)	(a)
9	do .....	July 1, 1888, to June 30, 1889.	132	51.5	16,970	129
10	do .....	July 1, 1888, to June 30, 1889.	37	19.1	951	26
11	Great Britain.....	Apr. 1, 1888, to Sept. 29, 1888.	94	(c)	8,294	88
12	do .....	Apr. 1, 1888, to Sept. 29, 1888.	137	(a)	32,926	240
13	do .....	Jan. 1, 1889, to June 30, 1889.	(a)	(a)	38,167	(a)

a Not reported.

b From 50 to 105 pounds; average, about 73 pounds.

c Various.

TABLE VI.—COST OF PRODUCTION OF **STEEL RAILS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

**B.—QUANTITY AND COST OF MATERIALS USED.**

[Establishments numbers 1 and 2 are in the United States; numbers 3 to 10 are on the continent of Europe; and numbers 11 to 13 are in Great Britain.]

Establishment number.	Tons of 2,240 pounds.			Cost.			
	Ingots.	Blooms.	Billets.	Ingots.	Blooms.	Billets.	Total.
1	4,868			a \$97,360			a \$97,360
2		120,762			\$2,945,720		2,945,720
3		17,176			284,389		284,389
4	(b)	(b)	(b)	(b)	(b)	(b)	(b)
5	(b)	(b)	(b)	(b)	(b)	(b)	(b)
6	(b)	(b)	(b)	(b)	(b)	(b)	(b)
7	(b)	(b)	(b)	(b)	(b)	(b)	(b)
8	(b)	(b)	(b)	(b)	(b)	(b)	(b)
9	19,719			338,732			338,732
10	1,088			19,906			19,906
11		6,925	2,944		113,618	\$53,919	167,537
12		39,687			620,863		620,863
13	46,385			746,769			746,769

a Estimated.

b Not reported.



TABLE VI.—COST OF PRODUCTION OF **STEEL RAILS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## C.—PROPORTIONS OF MATERIALS USED.

[Establishments numbers 1 and 2 are in the United States; numbers 3 to 10 are on the continent of Europe; and numbers 11 to 13 are in Great Britain.]

Establishment number.	Pounds of materials to one ton of product.			Cost of materials per ton of 2,240 pounds.		
	Ingots.	Blooms.	Billets.	Ingots.	Blooms.	Billets.
1.....	2,488			a \$20.000		
2.....		2,384			\$24.393	
3.....		2,580			16.557	
4.....	(b)	(b)	(b)	(b)	(b)	(b)
5.....	(b)	(b)	(b)	(b)	(b)	(b)
6.....	(b)	(b)	(b)	(b)	(b)	(b)
7.....	(b)	(b)	(b)	(b)	(b)	(b)
8.....	(b)	(b)	(b)	(b)	(b)	(b)
9.....	2,603			17.178		
10.....	2,563			18.296		
11.....		1,870	795		16.407	\$18.315
12.....		2,700			15.644	
13.....	2,722			16.099		

a Estimated.

b Not reported.

TABLE VI.—COST OF PRODUCTION OF **STEEL RAILS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## D.—GENERAL STATEMENT OF COST FOR THE PERIOD.

[Establishments numbers 1 and 2 are in the United States; numbers 3 to 10 are on the continent of Europe; and numbers 11 to 13 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.			Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
	Gross.	Value of cinder, scrap, etc.	Net.						
1	a \$97,360	a \$4,860	a \$92,500	\$6,748	(b)	a \$4,820	a \$4,382	a \$219	a, c \$108,669
2	2,945,720	96,304	2,849,416	156,826	(b)	47,318	87,766	(b)	d 3,141,326
3	284,389	20,830	263,559	15,561	(e)	6,013	e 6,674	150	291,957
4	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
5	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
6	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
7	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
8	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
9	338,732	19,567	319,165	17,445	\$1,782	5,524	36,604	272	380,792
10	19,906	1,000	18,906	2,054	207	522	3,681	32	25,402
11	167,537	17,768	149,769	21,138	405	4,740	5,597	48	181,697
12	620,863	81,041	539,822	45,054	830	14,766	11,457	98	612,027
13	746,769	91,861	654,908	60,434	1,935	26,123	26,086	661	770,147

a The cost of labor is derived from the payrolls and is exact; the costs for all other purposes are careful estimates, but without doubt are substantially correct.

b Not reported.

c Not including officials and clerks.

d Not including officials and clerks and taxes.

e The expenditures for officials and clerks are inseparably combined with those for supplies and repairs.

TABLE VI.—COST OF PRODUCTION OF **STEEL RAILS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

**E.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 and 2 are in the United States; numbers 3 to 10 are on the continent of Europe; and numbers 11 to 13 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Es- tab- lish- ment num- ber.	Materials.						Labor.	Offi- cials and clerks.	Fuel.	Sup- plies and re- pairs.	Taxe	Total.
	Gross.				Value of cinder, scrap, etc.	Net.						
	Ingot.	Blooms.	Billets.	Total.								
1	a\$22.218			a\$22.218	a \$1.109	a\$21.109	\$1.540	(b)	a\$1.100	a\$1.000	a\$0.050	a,c\$24.799
2		\$25.963		25.963	.849	25.114	1.382	(b)	.417	.774	(b)	d 27.687
3		19.069		19.069	1.397	17.672	1.043	(e)	.403	e .448	.010	19.576
4	20.262			20.262	2.196	18.066	2.519	\$0.025	.706	f .863	(f)	22.184
5	20.262			20.262	2.196	18.066	4.641	.045	1.300	f 1.690	(f)	25.652
6	20.054			20.054	1.823	18.231	2.583	g 1.197	.208	.902	(g)	23.121
7	19.808			19.808	1.705	18.103	2.689	g 1.376	.170	.852	(g)	23.190
8	20.337			20.337	1.673	18.664	2.974	g 1.299	.140	.666	(g)	23.743
9	19.961			19.961	1.153	18.808	1.028	.105	.325	2.157	.016	22.439
10	20.932			20.932	1.052	19.880	2.160	.218	.549	3.870	.034	26.711
11		13.699	\$6.501	20.200	2.142	18.058	2.548	.049	.571	.675	.006	21.907
12		18.856		18.856	2.461	16.395	1.368	.025	.449	.348	.003	18.588
13	19.566			19.566	2.407	17.159	1.583	.051	.684	.684	.017	20.178

- a The cost of labor is derived from the payrolls and is exact; the costs for all other purposes are careful estimates, but without doubt are substantially correct.
- b Not reported.
- c Not including officials and clerks.
- d Not including officials and clerks, and taxes.
- e The expenditures for officials and clerks are inseparably combined with those for supplies and repairs.
- f The expenditures for taxes are inseparably combined with those for supplies and repairs.
- g The expenditures for taxes, insurance, etc., are inseparably combined with those for officials and clerks.

TABLE VI.—COST OF PRODUCTION OF **STEEL RAILS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

**F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 and 2 are in the United States; numbers 3 to 10 are on the continent of Europe; and numbers 11 to 13 are in Great Britain. This table is based on the preceding one, and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish.]

Estab- lishment number.	Materials (not).	Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
1	85.12	6.21		4.44	4.03		100
2	90.71	4.99		1.51	2.79	.20	100
3	90.27	5.33		2.06	2.29	.05	100
4	81.44	11.36	.11	3.13	3.91		100
5	70.43	18.09	.17	5.07	6.24		100
6	78.85	11.17	5.18	.90	3.90		100
7	78.06	11.60	5.93	.73	3.68		100
8	78.61	12.53	5.47	.59	2.80		100
9	83.82	4.58	.47	1.45	9.61	.07	100
10	74.43	8.09	.81	2.05	14.49	.13	100
11	82.43	11.63	.22	2.61	3.08	.03	100
12	88.20	7.36	.13	2.42	1.87	.02	100
13	85.04	7.85	.25	3.39	3.39	.08	100

TABLE VI.—COST OF PRODUCTION OF **STEEL RAILS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.**G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.**

[Establishments numbers 1 and 2 are in the United States; numbers 3 to 10 are on the continent of Europe; and numbers 11 to 13 are in Great Britain.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$75	(a)	(a)	b \$75
2.....	(a)	(a)	(a)	(a)
3.....	(a)	(a)	(a)	(a)
4.....	(a)	(a)	(a)	(a)
5.....	(a)	(a)	(a)	(a)
6.....	(a)	(a)	(a)	(a)
7.....	(a)	(a)	(a)	(a)
8.....	(a)	(a)	(a)	(a)
9.....	119	.....	.....	119
10.....	13	.....	.....	13
11.....	.....	.....	.....	.....
12.....	.....	.....	.....	.....
13.....	.....	c \$12, 971	(c)	d 12, 971

a Not reported.

b Not including interest and depreciation of value of plant.

c Depreciation of value of plant and expenses of London agency are inseparably combined with interest.

d Including expenses of London agency.

TABLE VI.—COST OF PRODUCTION OF **STEEL RAILS** AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Concluded.**II.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 and 2 are in the United States; numbers 3 to 10 are on the continent of Europe; and numbers 11 to 13 are in Great Britain.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	\$0.017	(a)	(a)	b \$0.017
2.....	(a)	(a)	(a)	(a)
3.....	(a)	(a)	(a)	(a)
4.....	(a)	(a)	(a)	(a)
5.....	(a)	(a)	(a)	(a)
6.....	(a)	(a)	(a)	(a)
7.....	(a)	(a)	(a)	(a)
8.....	(a)	(a)	(a)	(a)
9.....	.007	.....	.....	.007
10.....	.014	.....	.....	.014
11.....	.....	.....	.....	.....
12.....	.....	.....	.....	.....
13.....	.....	c \$0. 340	(c)	d . 340

a Not reported.

b Not including interest and depreciation of value of plant.

c Depreciation of value of plant and expenses of London agency are inseparably combined with interest.

d Including expenses of London agency.

THE AVERAGE COST OF STEEL RAILS IN THE UNITED STATES  
AND IN EUROPE.

It would be most gratifying if from the table relating to the cost of producing steel rails, pages 164 to 167, the average cost of producing standard steel rails in the United States, on the continent of Europe, and in Great Britain, could be so clearly ascertained as to establish figures for exact conclusions. The table embraces thirteen establishments, numbers 1 and 2 being for the United States; the total cost of a ton of rails in establishment number 1 being \$24.799 and in number 2, \$27.687. The Department has been positively informed relative to the cost of making steel rails in several of the very largest establishments in the United States, and there is no shadow of a doubt in the mind of the writer that in these establishments the actual cost of standard steel rails is, and has been for some time, within a few cents of \$22 per ton at the works. The book account of the cost at one of the establishments referred to in these remarks would show the cost to be from \$24.50 to \$24.75 per ton, the difference between the book account cost and the actual cost arising from the fact that in the one case some materials are charged at the market price, while in the other they are reckoned at what they really cost the producer of the steel rails. Those who make steel rails as a subsidiary feature of their business, paying perhaps larger attention to other products, probably cannot manufacture a standard quality of, say, 60 pounds to the yard for less than is stated for establishment number 2, that is, \$27.687, and the cost in such mills will vary from this figure in slight degree as conditions vary. An average to be drawn from the statements for establishments 1 and 2 (an average based on the total product, and not derived by adding the two sums together and dividing by 2) shows for a result \$27.579 as the average cost per ton. Passing to the continent of Europe, the only establishments which could be brought together for making an average are 3 and 9, both making heavy rails. The establishments numbered from 4 to 8, inclusive, located on the continent of Europe, did not give the quantity of product, and hence it is not possible to use them to obtain an average cost based on quantity; but taking 3 and 9, for which quantity of product was given, the average cost per ton is \$21.10, this being for heavy rails, practically the same standard as is produced by number 2 in the United States. Establishment 10, continent of Europe, manufactures light rails, but the output is small, and the cost \$26.711 per ton. Establishments from 3 to 10, inclusive, are all on the continent of Europe, and from 11 to 13, inclusive, in Great Britain. The cost per ton, by sub-table E is shown to be for number 11, \$21.907; for 12, \$18.588, and for 13, \$20.178. While the kind of rails made by these three establishments was not reported, it is probably true that they were standard rails. Making an average for the three, based on the quantity of product, the cost is found to be



\$19,699. The cost of steel rails fluctuates considerably in Great Britain, the variations extending over a wider range, perhaps, than in the United States. The tendency to gamble and speculate in pig iron, to which reference has been made (page 14), is the leading factor in this great fluctuation. Its influence is felt in a serious way in the production of steel rails. During the latter part of 1889 a very celebrated firm, engaged in the production of steel rails and other products, the steel rail, however, being the lesser part of the output, furnished the Department the following figures as to the cost of making a ton of steel rails weighing 60 pounds per yard:

## ELEMENTS OF COST IN ONE TON OF STEEL RAILS MADE IN ENGLAND IN 1889.

[The quantity of ingots used to make a ton of rails was 2,762 pounds, and their cost was \$17.667 per ton, the pig iron to make the ingots being charged in at the average market price, \$13.018 per ton. The rails made weigh about 60 pounds per yard.]

Elements of cost.	Cost per ton (2,240 pounds) of product.
Ingots .....	\$21.783
Value of cinder, scrap, etc., resulting from the manufacture .....	2.792
Total materials, net .....	18.991
Labor .....	1.540
Officials and clerks, etc. ....	.223
Fuel .....	.774
Supplies and repairs .....	.753
Taxes, etc .....	.175
Total .....	22.456

This establishment, in October, 1890, found that the same grade of steel rails cost \$24.226. The higher cost is accounted for by the advance in the price of iron and the wages of labor. The statement for October, 1890, is as follows:

## ELEMENTS OF COST IN ONE TON OF STEEL RAILS MADE IN ENGLAND IN 1890.

[The quantity of ingots used to make a ton of rails was 2,762 pounds, and their cost was \$19.091 per ton, the pig iron to make them being charged in at the average market price of \$13.991 per ton. The rails made weigh about 60 pounds per yard.]

Elements of cost.	Cost per ton (2,240 pounds) of product.
Ingots .....	\$23.539
Value of cinder, scrap, etc., resulting from the manufacture .....	2.920
Total materials, net .....	20.619
Labor .....	1.763
Officials and clerks .....	a .352
Fuel .....	(b)
Supplies and repairs .....	b 1.492
Taxes .....	(a)
Total .....	24.226

a The expenditures for taxes are inseparably combined with those for officials and clerks.

b The expenditures for fuel are inseparably combined with those for supplies and repairs.

Notwithstanding this high cost in the particular concern just referred to for the latter part of 1889 and 1890, the writer is satisfied that steel rails can be produced in Great Britain, under normal conditions, for a sum not varying much from \$18 per ton, and it is with Great Britain only that any great competition in the supply of steel rails has come, a competition which has now practically ceased, as will be seen by reference to the tables on importations. If this statement be true, and it is believed to be sufficiently accurate for all business purposes or considerations, the lowest cost of producing steel rails in Great Britain is \$18, and the highest ordinary cost in the United States, \$27.70, a difference of \$9.70 in favor of the former. It is possible that under some peculiarly fortunate circumstances rails can be produced in Great Britain for less than \$18 per ton. Throwing out profits on the materials of which rails are made, which are ordinarily charged into the cost by British producers, and this statement as to cost lower than \$18 becomes reasonable, and without doubt approximates the exact truth, so that the difference between the lowest cost of British steel rails of 60 pounds to the yard and the lowest cost of the same grade of rails in the United States is in the vicinity of \$5 per ton.

These general tables on cost of production have been before the public over six months, having been sent to Congress in a preliminary report dated July 1, 1890 (returns from some additional establishments have since been incorporated with them), and so far the only criticism upon them which would seem to claim any attention on the part of this Department is that of Mr. James M. Swank, secretary of the American Iron and Steel Association, in his letter to Senator Nelson W. Aldrich, dated August 1, 1890, in which he refers to the cost of steel rails as given in that preliminary report (and in this) for Great Britain as being above the selling price of rails in that country during some portion of the period covered by our investigation. The criticism would at first seem a fair one to make, but it falls when one considers the fluctuating elements just referred to. In fact, Mr. Swank himself, in an article published in the Bulletin of the American Iron and Steel Association, June 11, 1890, offers very conclusive evidence of the invalidity of his subsequent criticism. He says:

The European markets go up and down as do our own. Steel rails afford a good illustration of the needed protection referred to. In January and February, 1890, English steel rails cost £7 5s., or about \$35 per ton, delivered on board vessels; in June the quotation was £4 10s., or about \$21.90, a fall of over \$13 per ton in 4 months. In August, 1888, English steel rails were quoted at £3 12s. 6d., or \$17.63 per ton, and from May to August, 1886, they were regularly quoted at £3 7s. 6d., or \$16.42. The quotations in 1886 and again in 1888 were doubled in the early part of 1890.

In the letter from the American Iron and Steel Association to Hon. Daniel Manning, in reply to his circular letter dated July 17, 1885, the association makes the following statement, when speaking of the cost of producing iron and steel:

With regard to the cost of producing iron and steel in competing countries, we have not believed it to be necessary to attempt to ascertain the elements of this cost, assuming that for all practical purposes the prices at which these products have recently been sold may be accepted as an approximation to their actual and usual cost.

And further, in speaking of references to foreign cost, the association says:

We shall assume, therefore, the foreign price to-day approximates the usual foreign cost.

These statements by the Iron and Steel Association are perfectly correct when quotations are low, but, as shown above, when British steel rails are quoted at \$35 per ton, the cost and the price bear no true relation to each other, although with the boom in iron and wages in the early part of 1890 not only cost but prices reached high figures, as has been shown. The period covered by the returns given in establishments 11 and 12 for Great Britain is from April 1, 1888, to September 29, 1888, and for establishment 13, from January 1, 1889, to June 30, 1889, and the lowest quoted price for steel rails for those periods was \$18.25 in June, 1888 (see page 179). The lowest cost, as given by our tables, was for establishment number 12, \$18.588, and this was the average cost covering the period just stated. Products are often sold at cost, especially steel rails in Great Britain, when the demand is light and the supply abundant. The same is true of wheat and other articles, as between this country and Great Britain. An examination of the market price of steel rails in Great Britain, in connection with the cost given in our tables, shows the harmony and the integrity of the statements made.

What the results would be of an average cost of steel rails derived from all the establishments in Great Britain we cannot say. We have done our best to reach such an average, not only for Great Britain, but for the United States. An average for Great Britain and the continent of Europe is of no great interest to this country. And for business purposes it would be unjust to use such an average in comparison with one for the United States, for it is manifest that cost of production is too high generally on the continent of Europe to allow of competition with us, and that it is only with Great Britain that competition in steel rails is possible.

#### **DIRECT LABOR, ETC., FROM THE MATERIALS IN THE EARTH TO THE FINISHED PRODUCT.**

In treating the cost of production of pig iron in the earlier pages of this report, considerable space was given to the results of an attempt to follow the materials from which iron is made back to the earth from which they are mined, and to determine how much was paid at each step, from the mining to the conversion of the materials in the blast furnace, for direct labor, how much for the salaries of officials and clerks



engaged in the administrative work, how much for supplies, repairs, and taxes, and how much for transportation of the materials to the point where used. The reader will do well to examine what was there presented on this subject for pig iron. The attempt has been made to carry out a similar analysis for steel rails, and the tables exhibiting the results will immediately follow, but the difficulties in the way make the work far less satisfactory than for pig iron. These difficulties lie in the additional processes of ingots, blooms, and rails through which the materials must be traced, and in the fact that it was possible to get any information from only a few rail mills. There is first presented the results obtained by analyzing establishment number 1 of Table VI, situated in the United States. The conditions were such in this case that it was impossible to trace out the actual materials used, and the table is made up from averages. Thus six representative establishments producing ore fit for Bessemer pig were taken, and an average for direct labor and each of the other items figured out. Coal, coke, and limestone were treated in the same way. The average cost for conversion of raw materials into pig was similarly obtained from a half dozen blast furnaces. Thus, step by step, the work was followed up to the necessary quantity of ingots and finally to the finished ton of steel rails. The entire costs when summed up were found to be \$24.666, while the cost as tabulated in sub-table E, is \$24.799, a difference of only 13.3 cents. The table is now given:



## COST OF DIRECT LABOR, ETC., IN ONE TON OF STEEL RAILS.

UNITED STATES.

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Timber.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 4,137 pounds of iron ore.	\$2.142	\$0.124	\$0.807	\$0.081	\$4.893	.....	\$2.926	\$10.973
Production of 1,497 pounds of limestone.	.205	.018	.025	.001	.318	.....	.036	.603
Production of 4,808 pounds of bituminous coal.	1.973	.068	.149	.013	.....	\$0.042	.....	2.245
Conversion of above coal into 3,532 pounds of coke.	.538	.076	.072	.009	.738	.....	.....	1.493
Production of 233 pounds of cinder. (See below.)	.....	.....	.....	.....	.....	.....	.....	.....
Conversion of above materials into 2,649 pounds of pig iron.	1.576	.134	.718	.054	.....	.....	.....	2.482
Production of 79 pounds of scrap and ferro-manganese. (See below.)	.....	.....	.....	.....	.....	.....	.....	.....
Conversion of above materials into 2,488 pounds of steel ingots.	1.689	.120	.503	.011	.....	.....	.....	2.323
Fuel (2,220 pounds bituminous coal) used in ingot mill.	.912	.032	.069	.006	.....	.019	.....	1.038
Conversion of above ingots into 2,240 pounds of steel rails.	1.540	(a)	1.000	.050	.....	.....	.....	2.590
Fuel (2,340 pounds bituminous coal) used in rail mill.	.962	.033	.073	.007	.....	.020	.....	1.095
Total .....	11.597	.605	3.416	.232	5.949	.081	2.962	24.842
Cost of above 233 pounds of cinder, only the total of which can be given .....	.....	.....	.....	.....	.....	.....	.....	.094
Cost of above 79 pounds of scrap and ferro-manganese, only the total of which can be given .....	.....	.....	.....	.....	.....	.....	.....	.937
Total gross cost of one ton (2,240 pounds) of steel rails .....	.....	.....	.....	.....	.....	.....	.....	25.873
Deduct value of scrap produced in the ingot and rail mills .....	.....	.....	.....	.....	.....	.....	.....	1.207
Total net cost of one ton (2,240 pounds) of steel rails .....	.....	.....	.....	.....	.....	.....	.....	24.666
SUMMARY OF THE ABOVE.								
Total cost of ore, limestone, coal, and coke .....	.....	.....	.....	.....	.....	.....	.....	\$15.314
Cost of direct labor in producing the above materials .....	.....	.....	.....	.....	.....	.....	.....	\$4.918
Per cent. of cost of direct labor in producing the above materials .....	.....	.....	.....	.....	.....	.....	.....	32
Total cost of converting above materials and cinder into pig iron .....	.....	.....	.....	.....	.....	.....	.....	\$2.482
Cost of direct labor in converting above materials and cinder into pig iron .....	.....	.....	.....	.....	.....	.....	.....	\$1.576
Per cent. of cost of direct labor in converting above materials and cinder into pig iron .....	.....	.....	.....	.....	.....	.....	.....	63
Total cost of converting pig iron and scrap and ferro-manganese into steel ingots .....	.....	.....	.....	.....	.....	.....	.....	\$3.361
Cost of direct labor in converting pig iron and scrap and ferro-manganese into steel ingots .....	.....	.....	.....	.....	.....	.....	.....	\$2.601
Per cent. of cost of direct labor in converting pig iron and scrap and ferro-manganese into steel ingots .....	.....	.....	.....	.....	.....	.....	.....	77
Total cost of converting steel ingots into 2,240 pounds of steel rails .....	.....	.....	.....	.....	.....	.....	.....	\$3.685
Cost of direct labor in converting steel ingots into 2,240 pounds of steel rails .....	.....	.....	.....	.....	.....	.....	.....	\$2.502
Per cent. of cost of direct labor in converting steel ingots into 2,240 pounds of steel rails .....	.....	.....	.....	.....	.....	.....	.....	68
Total net cost of one ton of steel rails .....	.....	.....	.....	.....	.....	.....	.....	\$24.666
Cost of direct labor in one ton of steel rails .....	.....	.....	.....	.....	.....	.....	.....	\$11.597
Per cent. of cost of direct labor in one ton of steel rails .....	.....	.....	.....	.....	.....	.....	.....	47

(a) Not reported.

In addition to the foregoing analysis drawn from establishment number one of Table VI, a large steel rail mill in the United States has furnished the Department with the following statement showing expenditures for direct labor. This shows a total cost of \$14.215, as against \$11.597 in the table just given. The difference is largely due to the cost of conversion of pig iron into steel rails, the result of local conditions:

## COST OF DIRECT LABOR IN ONE TON OF STEEL RAILS.

## UNITED STATES.

Materials and successive stages of conversion.	Cost.
Production of 4,353 pounds of iron ore.....	\$2.997
Production of 984 pounds of limestone.....	.198
Production of — pounds of bituminous coal.....	1.524
Conversion of above coal into 3,275 pounds of coke.....	
Conversion of above materials into 2,668 pounds of pig iron.....	2.481
Production of 1,595 pounds of bituminous coal for fuel.....	.876
Conversion of above pig iron into 2,240 pounds of steel rails.....	6.139
Total cost of direct labor in one ton (2,240 pounds) of steel rails.....	14.215

The following calculation is for one ton of steel rails made in Great Britain, and the statement is based on establishment number 12 of the steel rail tabulation, Table VI. In this case we started with the cost of steel rails as given in sub-table E for this establishment, and were able to trace the costs back through the preceding processes of making the blooms, ingots, pig iron, coke, coal, and limestone, the actual materials used being considered at each step except in the case of ore. This was possible, as all these elements were produced under the direction of the company making the rails. For iron ore, however, we did not have the exact mine from which it was taken, but we did have a representative mine in the same district, and we also had the cost of transportation; so that the element of possible error in calculating costs in this case is of necessity exceedingly slight. As to the figures of difference between foregoing actual costs and costs as charged by blast furnace, a part is accounted for by the royalty or rent paid to the owners of the soil, which amounted to 60 cents for the amount of ore shown in the statement. The remainder is the difference between the actual cost of the ore delivered at the furnace, as figured out from the statement furnished by the mines, and the cost as charged in the books of the blast furnace. The table follows:



The next statement, relating to the analysis of cost of one ton of steel rails produced on the continent of Europe, is based on establishment number 3 of the steel rail tabulation, Table VI. In making this analysis for the continent of Europe we were able to follow the processes back, as in the case of the British establishment just given, until we came to the pig iron, when, owing to the incompleteness of the pig-iron statement for this establishment, we found it necessary to use the statement from another furnace for the cost of converting the materials into pig iron. For the costs of the materials themselves, except limestone and ore, we had data available from the report for number 3. For the limestone we had the total cost as reported at the pig-iron furnace, but had no schedule showing the subdivision of this total into the needed items. The division of this small amount was therefore made in the same ratio as that indicated in the limestone schedules for the northern district of the United States. The ore used was from the same locality as that used in the British establishment just given; so the same statement was made use of. In other respects the same plan was pursued as in the case of the British mill. The following is the table:

## COST OF DIRECT LABOR, ETC., IN ONE TON OF STEEL RAILS.

## CONTINENT OF EUROPE.

Materials and successive stages of conversion.	Direct labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Transport to point where used.	Timber.	Difference between foregoing actual costs and costs as charged by blast furnace.	Total.
Production of 5,701 pounds of iron ore.	\$0.957	\$0.028	\$0.206	\$0.033	\$3.744	.....	\$3.815	\$8.783
Production of 1,582 pounds of limestone.	.174	.016	.021	.001	.086	.....	.....	.298
Production of 4,927 pounds of bituminous coal.	2.326	.175	.315	.042	.....	\$0.480	.....	3.338
Conversion of above coal into 3,509 pounds of coke.	.590	.051	.047	.024	.064	.....	.....	.776
Conversion of above materials into 3,061 pounds of pig iron.	1.246	.021	a.381	(a)	.....	.....	1.476	3.124
Conversion of above pig iron into 2,613 pounds of steel ingots.	.512	.110	.852	.012	.....	.....	.....	1.486
Fuel (782 pounds of coke) used in ingot mill.	.649	.050	.081	.016	.....	.107	.....	.903
Conversion of above ingots into 2,580 pounds of steel blooms.	.203	.049	.240	.049	.....	.....	.....	.541
Fuel (217 pounds of coke) used in bloom mill.	.180	.014	.022	.005	.....	.030	.....	.251
Conversion of above blooms into 2,240 pounds of steel rails.	1.043	(b)	b.448	.010	.....	.....	.....	1.501
Fuel (474 pounds of bituminous coal) used in rail mill.	.224	.017	.030	.004	.....	.046	.....	.321
Total gross cost of one ton (2,240 pounds) of steel rails.	8.104	.531	2.643	.196	3.894	.663	5.291	21.322
Deduct value of scrap produced in ingot, bloom, and rail mills.....								1.687
Total net cost of one ton (2,240 pounds) of steel rails.....								19.635

• The expenditures for taxes are inseparably combined with those for supplies and repairs.

b The expenditures for officials and clerks are inseparably combined with those for supplies and repairs.



## COST OF DIRECT LABOR, ETC., IN ONE TON OF STEEL RAILS—Concluded.

## SUMMARY OF THE FOREGOING.

Total cost of ore, limestone, coal, and coke .....	\$13. 195
Cost of direct labor in producing the above materials .....	\$4. 047
Per cent. of cost of direct labor in producing the above materials .....	31
Total cost of converting above materials into pig iron .....	\$3. 124
Cost of direct labor in converting above materials into pig iron .....	\$1. 246
Per cent. of cost of direct labor in converting above materials into pig iron .....	40
Total cost of converting pig iron into steel ingots .....	\$2. 389
Cost of direct labor in converting pig iron into steel ingots .....	\$1. 161
Per cent. of cost of direct labor in converting pig iron into steel ingots .....	49
Total cost of converting steel ingots into steel blooms .....	\$0. 792
Cost of direct labor in converting steel ingots into steel blooms .....	\$0. 383
Per cent. of cost of direct labor in converting steel ingots into steel blooms .....	48
Total cost of converting steel blooms into 2,240 pounds of steel rails .....	\$1. 822
Cost of direct labor in converting steel blooms into 2,240 pounds of steel rails .....	\$1. 267
Per cent. of cost of direct labor in converting steel blooms into 2,240 pounds of steel rails .....	70
Total net cost of one ton of steel rails .....	\$19. 635
Cost of direct labor in one ton of steel rails .....	\$8. 104
Per cent. of cost of direct labor in one ton of steel rails .....	41

Labor cost in one ton of steel rails, speaking now of labor cost after all the materials have been assembled in the steel works and are ready to be subjected to the proper manipulations for the production of standard steel rails, should, from the conditions existing, be less per ton relatively in this country than in Great Britain or on the continent of Europe, because American producers of rails dispense with at least one expensive process still adhered to by many foreign producers, and, furthermore, our materials in the United States—ore, etc.—are purer than those used in most other countries; hence the quantity of ore required for the production of a ton of standard rails is less here than in foreign countries, and of course the labor required to handle the materials necessary to produce a ton is, in consequence, less here. This is more clearly shown by reference to the tabular statements which have just been given, showing the analysis of cost of one ton of steel rails in the United States, in Great Britain, and on the continent of Europe, wherein it is seen that in establishment number 1, in the United States, only 4,137 pounds of iron ore were necessary for the production of one ton of standard rails, while in establishment number 12, in Great Britain, 5,127 pounds, nearly 1,000 more, were needed to produce a ton of practically the same kind of rails, and in establishment number 3, on the continent of Europe, 5,701 pounds, or nearly 1,600 pounds more, of iron ore were necessary for the production of one ton of standard steel rails. These three establishments, numbers 1, 12, and 3, are probably far more indicative of the true conditions surrounding the production of standard steel rails in the respective countries than any of the others given in Table VI. As already remarked they are the only ones for which such analytical statements as those just given could be drawn. From these statements it will be seen that for the establishments given the direct labor cost of producing a ton of standard steel rails in the United States is \$11.597, in Great Britain, \$7.817, and on the continent of Europe, \$8.104, showing a difference, against the United States of \$3.78 in favor of Great Britain, and of \$3.493 in favor of the continent of Europe.

## PRICES OF STEEL RAILS IN UNITED STATES AND GREAT BRITAIN.

The next table shows the prices of steel rails in the United States and Great Britain for the years 1867 to 1890, inclusive.

The prices of British steel rails at British ports from 1867 to 1878, inclusive, are taken from a statement presented by Mr. H. V. Poor to the Ways and Means committee of the house of representatives in February, 1880; for 1879 the price is an average from Fossick's chart, an English statistical publication of high standing; and for 1880 to 1890, inclusive, the prices have been averaged from weekly English quotations in the New York Iron Age. Mr. Poor's figures represent average quotations. All the other figures in the table are compiled from the statistical reports of the American Iron and Steel Association.

## AVERAGE PRICES OF STEEL RAILS.

Year.	United States.		Great Britain.		Year.	United States.		Great Britain.	
	Average price of gold.	Average price of rails in currency.	Price in gold f. o. b. at British ports.	Cost in currency at American ports.		Average price of gold.	Average price of rails in currency.	Price in gold f. o. b. at British ports.	Cost in currency at American ports.
1867.....	138	\$166.00	\$65.70	\$135.60	1879.....	100	\$48.25	\$26.88	\$57.88
1868.....	140	158.50	61.32	128.68	1880.....	100	67.50	34.42	65.42
1869.....	136	132.25	54.99	112.52	1881.....	100	61.13	30.41	61.41
1870.....	115	106.75	50.37	87.44	1882.....	100	48.50	26.27	57.27
1871.....	112	102.50	54.99	96.31	1883.....	100	37.75	22.72	53.72
1872.....	112	112.00	67.64	110.48	1884.....	100	30.75	23.19	43.19
1873.....	113	120.50	80.05	122.32	1885.....	100	28.50	23.11	43.11
1874.....	112	94.25	68.75	108.58	1886.....	100	34.50	18.70	38.70
1875.....	114	68.75	44.28	85.82	1887.....	100	37.08	19.70	39.70
1876.....	110	59.25	32.12	69.43	1888.....	100	29.83	19.15	39.15
1877.....	105	45.50	29.20	63.21	1889.....	100	29.25	24.57	44.57
1878.....	102	42.25	25.55	57.68	1890 (a).....	100	31.50	21.89	41.89

a Price in June.

The tables following give respectively the average monthly prices of steel rails at works in Pennsylvania since 1868, and the market price of steel rails per ton in Great Britain,

## AVERAGE MONTHLY PRICES OF STEEL RAILS AT WORKS IN PENNSYLVANIA.

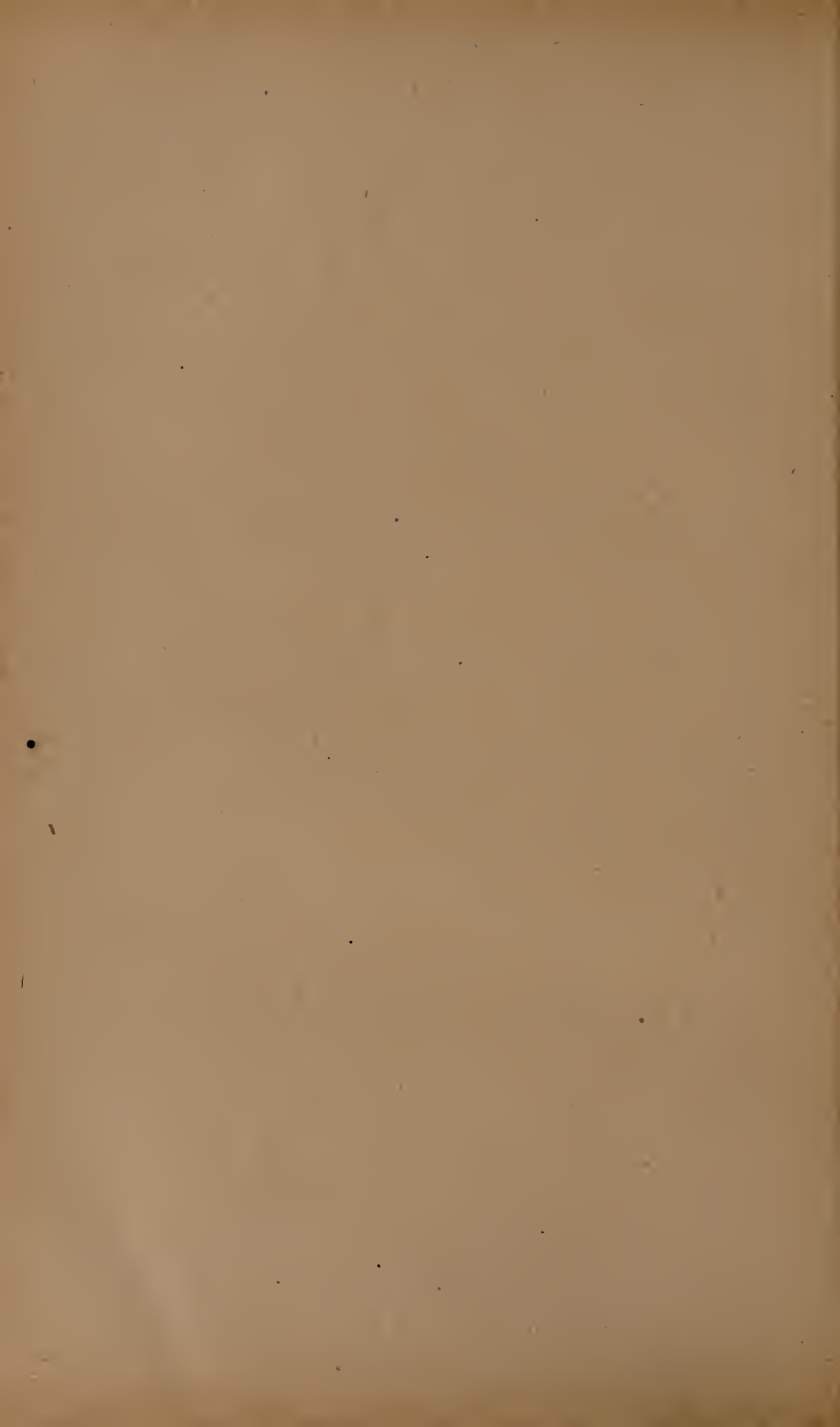
[Compiled by the American Iron and Steel Association. Averaged monthly from weekly quotations.  
Per ton of 2,240 pounds.]

Year.	Jan.	Feb.	Mar.	Apr.	May.	June.	July.	Aug.	Sept.	Oct.	Nov.	Dec.	Average.
1868 ..	\$165	\$167½	\$174	\$172	\$165	\$162½	\$150	\$150	\$150	\$150	\$148	\$147½	\$158½
1869 ..	145	143½	135	134	130½	128	130	130	130	130½	130½	120	132½
1870 ..	110	110	108½	107	106	109½	110	110	108¾	101½	102½	98	106½
1871 ..	95	96	106	95	103	104	103¾	104	106	105½	105½	106½	102½
1872 ..	104½	104	104½	111½	110	113	114½	115½	114	113½	118	120½	112
1873 ..	121	120	122½	120½	120	121½	121¾	121¾	118	120	120	120	120½
1874 ..	117½	117½	115	98¾	98½	96½	91	89½	78½	78½	75¾	75¾	94½
1875 ..	71	71	71	69	69	69	69	69	69	67	66	65	68½
1876 ..	67	65	62	62	62	60	59	59	56	54	53	52	59½
1877 ..	49	49	49	49	47½	46½	45½	44¾	44	42½	40½	40½	45½
1878 ..	41	41½	41½	42	43½	43	43½	42½	42½	42½	42	41	42½
1879 ..	41	42	43	42½	42	43	44	48	50	55	61	67	48½
1880 ..	75	85	82	75	65	63¾	62½	63¾	61½	60	59	58	67½
1881 ..	60	62	62½	63	63	60	61	60	60	60	61½	60	61½
1882 ..	58	55	54	52½	48½	48½	48	47	45	44½	42	39	48½
1883 ..	40	39½	39	38½	38	38	38	38	37½	37	35	34½	37½
1884 ..	34	34	34	34	33	32	30	28	27	28	28	27	30½
1885 ..	27	27	26½	26	27	27½	27½	27½	29	30½	33	34½	28½
1886 ..	34½	34½	34½	34½	34½	34½	34½	34½	34	34	34½	36	34½
1887 ..	38½	39½	39½	39½	39	39	38½	37	36	34½	32½	32	37½
1888 ..	31½	31½	31½	31½	31	30	30	29	28½	28	27½	28	29½
1889 ..	27½	27½	27½	27½	27	27½	28	28	29½	32	34	35	29½
1890 ..	35½	35	34	33½	31½	31½	31½	31½	30½	30	29	28½	31½

## MARKET PRICE OF STEEL RAILS PER TON IN GREAT BRITAIN.

[From The Economist (London) Monthly Trade Supplement of November 15, 1890.]

Date.	Steel rails.	Date.	Steel rails.	Date.	Steel rails.
1888.		1889.		1890.	
January 7 .....	\$20.38	January 4 .....	\$20.07	January 3 .....	\$34.07
March 3 .....	19.47	February 2 .....	18.55	February 1 .....	32.85
June 8 .....	18.25	March 1 .....	20.38	March 1 .....	31.63
August 4 .....	18.86	April 6 .....	22.51	April 1 .....	30.11
September 8 .....	19.16	May 4 .....	22.81	May 2 .....	25.25
October 5 .....	18.86	June 8 .....	22.20	June 5 .....	23.72
November 2 .....	19.77	July 6 .....	23.12	July 4 .....	24.33
December 7 .....	20.07	August 3 .....	23.12	August 1 .....	25.55
		September 10 .....	24.94	September 5 .....	25.55
		October 5 .....	25.55	October 3 .....	25.85
		November 2 .....	32.85	November 1 .....	25.85
		December 6 .....	33.46		





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MISCELLANEOUS STEEL.

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## MISCELLANEOUS STEEL.

The titles of Table VII and its sub-tables are as follows :

TABLE VII.—*Cost of Production of Miscellaneous Steel at Various Establishments in Various States.*

- A.—Period covered and quantity of product.
- B.—Quantity and cost of materials used.
- C.—Proportions of materials used.
- D.—General statement of cost for the period.
- E.—Elements of cost in one ton of 2,240 pounds.
- F.—Per cent. of each element of cost in one ton of 2,240 pounds.
- G.—Additional cost of certain theoretical elements.
- H.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

The tables include a great variety of products which show a great variety of costs. The quality of the product, which doubtless plays an important part in determining its cost, is not well defined in the reports obtained, and the description found in sub-table A is the best that could be done towards expressing it.

In general the remarks prefaced to Table IV, relating to miscellaneous iron products, are applicable here and should be read in connection with a study of these tables.

TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES.

### A.—PERIOD COVERED AND QUANTITY OF PRODUCT.

Es- tab- lish- ment num- ber.	Locality.	Period covered.		Miscellaneous steel produced.		
		Terminal dates.	Days of run- ning time.	Description.	Tons of 2,240 pounds.	
					Total.	Per day.
1	Continent of Europe.	Apr. 1, 1888, to Mar. 31, 1889	(a)	Bands (hoop steel).....	(a)	(a)
2	United States.	Jan. 1, 1889, to Dec. 31, 1889	(a)	Bars .....	2, 235	(a)
3	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Bars (No. 1) .....	2, 227	(a)
4	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Bars (No. 1½) .....	294	(a)
5	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Bars (No. 2) .....	521	(a)
6	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Bars (spike bars) .....	182	(a)
7	Continent of Europe.	Jan. 13, 1889, to Apr. 6, 1889	70	Bars (small size) .....	133	2
8	do .....	Jan. 13, 1889, to Apr. 6, 1889	70	Bars (large size) .....	184	3
9	do .....	Jan. 13, 1889, to Apr. 6, 1889	70	Bars (for springs) .....	738	11
10	do .....	July 1, 1888, to June 30, 1889	211	Bars, rods, fish plates, etc ..	6, 645	31
11	Great Britain	Apr. 1, 1888, to Sept. 29, 1888	(a)	Bars (tin plate) .....	2, 695	(a)
12	United States.	Jan. 1, 1889, to Dec. 31, 1889	110	Billets .....	37, 160	338
13	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Billets (No. 2) .....	1, 242	(a)
14	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Billets (No. 3) .....	6, 689	(a)
15	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Billets (5½ inch) .....	247	(a)
16	do .....	Jan. 3, 1889, to Jan. 3, 1890	167	Billets and slabs .....	21, 916	131
17	do .....	Jan. 7, 1889, to July 1, 1889	117	Billets and nail slabs .....	25, 262	216
18	Continent of Europe.	Jan. 13, 1889, to Apr. 6, 1889	70	Billets .....	1, 618	23

a Not reported.

TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL  
AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## A.—PERIOD COVERED AND QUANTITY OF PRODUCT—Concluded.

Es- tab- lish- ment num- ber.	Locality.	Period covered.		Miscellaneous steel produced.		
		Terminal dates.	Days of run- ning time.	Description.	Tons of 2,240 pounds.	
					Total.	Per day.
19	Continent of Europe.	July 1, 1888, to June 30, 1889	43	Billets .....	6, 427	149
20	do .....	Apr. 1, 1889, to Mar. 31, 1890	(a)	Billets and bars (for plates)	(a)	(a)
21	do .....	Apr. 1, 1888, to Mar. 31, 1889	(a)	Billets and bars (for plates)	(a)	(a)
22	do .....	Apr. 1, 1889, to Mar. 31, 1890	(a)	Billets, bars, rails, and fish plates.	(a)	(a)
23	do .....	Apr. 1, 1888, to Mar. 31, 1889	(a)	Billets, bars, rails, and fish plates.	(a)	(a)
24	Great Britain.	Apr. 1, 1888, to Sept. 29, 1888	(a)	Billets .....	6, 321	(a)
25	United States.	Jan. 1, 1889, to Dec. 31, 1889	16	Blooms .....	9, 669	604
26	do .....	Jan. 1, 1889, to Dec. 31, 1889	269	Blooms and billets .....	64, 684	240
27	do .....	Jan. 1, 1888, to Dec. 31, 1888	263	Blooms and billets .....	52, 962	201
28	do .....	Jan. 1, 1889, to Jan. 4, 1890	199	Blooms, billets, and nail slabs.	61, 240	308
29	do .....	Jan. 1, 1889, to Dec. 31, 1889	281	Blooms, billets, and slabs ..	55, 036	196
30	Continent of Europe.	Jan. 13, 1889, to Apr. 6, 1889	70	Blooms .....	17, 922	256
31	Great Britain.	Apr. 1, 1888, to Sept. 29, 1888	138	Blooms .....	49, 697	360
32	do .....	Apr. 1, 1888, to Sept. 29, 1888	92	Blooms .....	11, 253	122
33	do .....	July 29, 1889, to Aug. 3, 1889	5½	Blooms, billets, and slabs (hammered).	1, 511	275
34	do .....	July 29, 1889, to Aug. 3, 1889	5½	Blooms, billets, bars, plates, and rods.	1, 896	345
35	United States.	Dec. 1, 1889, to Dec. 31, 1889	24	Plates (boiler and ship)....	448	19
36	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Plates (light) .....	98	(a)
37	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Plates (medium) .....	677	(a)
38	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Plates (heavy) .....	511	(a)
39	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Plates (railroad tie) .....	249	(a)
40	do .....	Jan. 1, 1889, to Dec. 31, 1889	(a)	Plates (railroad tie) .....	182	(a)
41	do .....	Nov. 1, 1888, to Oct. 31, 1889	290	Plates (boiler and tank)....	6, 094	21
42	do .....	July 1, 1889, to Dec. 31, 1889	150	Plates (boiler, bridge, and ship).	6, 000	40
43	Continent of Europe.	July 1, 1888, to June 30, 1889	6	Plates .....	866	144
44	do .....	1888 (b) .....	(a)	Plates .....	(a)	(a)
45	do .....	Apr. 1, 1889, to Mar. 31, 1890	(a)	Plates .....	(a)	(a)
46	do .....	Apr. 1, 1888, to Mar. 31, 1889	(a)	Plates .....	13, 324	(a)
47	do .....	Apr. 1, 1889, to Mar. 31, 1890	(a)	Plates (light) .....	(a)	(a)
48	do .....	Apr. 1, 1888, to Mar. 31, 1889	(a)	Plates (light) .....	(a)	(a)
49	do .....	Apr. 1, 1889, to Mar. 31, 1890	(a)	Plates (heavy) .....	(a)	(a)
50	do .....	Apr. 1, 1888, to Mar. 31, 1889	(a)	Plates (heavy) .....	(a)	(a)
51	do .....	Apr. 1, 1889, to Mar. 31, 1890	(a)	Plates (inferior quality)....	(a)	(a)
52	do .....	Apr. 1, 1888, to Mar. 31, 1889	(a)	Plates (inferior quality)....	(a)	(a)
53	Great Britain.	Jan. 1, 1889, to June 30, 1889	138	Plates .....	13, 448	97
54	do .....	Apr. 1, 1888, to Sept. 29, 1888	122	Plates (fish) .....	2, 779	23
55	Continent of Europe.	July 1, 1888, to June 30, 1889	52	Railway ties .....	7, 107	137
56	Great Britain.	Apr. 1, 1888, to Sept. 29, 1888	(a)	Railway sleepers .....	340	(a)
57	Continent of Europe.	Jan. 13, 1889, to Apr. 6, 1889	69	Slabs .....	416	6
58	do .....	July 1, 1888, to June 30, 1889	256	Slabs (hammered) .....	19, 689	77
59	do .....	July 1, 1888, to June 30, 1889	209	Tires (locomotive and car-wheel.)	4, 273	20
60	United States.	Jan. 1, 1889, to Dec. 31, 1889	290	Wire .....	36, 797	127
61	do .....	Jan. 1, 1889, to Dec. 31, 1889	299	Wire rods .....	26, 485	89
62	Continent of Europe.	July 1, 1888, to June 30, 1889	170	Wire (undrawn) .....	4, 952	29

a Not reported.

b Terminal dates not reported.



TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## B.—QUANTITY AND COST OF MATERIALS USED.

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States; numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 11, 24, 31 to 34, 53, 54, and 56 are in Great Britain.]

Establishment number.	Tons of 2,240 pounds.				Cost.				
	Ingots.	Blooms.	Billets.	Other.	Ingots.	Blooms.	Billets.	Other.	Total.
1	(a)				(a)				(a)
2		1,297	1,381			\$34,492	\$41,106		\$75,598
3		37	2,467	b 108		1,034	85,005	b \$1,766	87,805
4			341				11,916		11,916
5			603	b 9			21,027	b 145	21,172
6			198				5,254		5,254
7	152				\$3,598				3,598
8			211				4,466		4,466
9			c 807	(c)			c 17,278	(c)	17,278
10	7,562				143,333				143,333
11		2,913				48,616			48,616
12	43,396				996,984				996,984
13		1,203	133			32,245	3,512		35,757
14	219	4,373	2,535	b 7	5,226	116,730	68,788	b 115	190,859
15		264				8,204			8,204
16	24,617				563,554				563,554
17	28,343				611,495				611,495
18	d 1,954	(d)			d 31,714	(d)			31,714
19		7,365				125,177			125,177
20	(a)				(a)				(a)
21	(a)				(a)				(a)
22	(a)				(a)				(a)
23	35,050				566,912				566,912
24		6,537				102,347			102,347
25	10,631				257,438				257,438
26	74,130				1,552,169				1,552,169
27	61,896				1,304,360				1,304,360
28	68,790				1,495,578				1,495,578
29	61,200				1,422,900				1,422,900
30	18,145				285,380				285,380
31	51,505				724,330				724,330
32	12,106				170,244				170,244
33	1,677				b 35,712				e 35,712
34	2,103				b 44,775				e 44,775
35	515				18,540				18,540
36			110			3,742			3,742
37			770			26,586			26,586
38			176	f 355		6,061	f 10,425		16,486
39			287			7,913			7,913
40			206			7,128			7,128
41	7,860				243,660				243,660
42	7,500				226,500				226,500
43	1,007				17,310				17,310
44	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
45	(a)				(a)				(a)
46	17,147				280,950				280,950
47	(a)				(a)				(a)
48	(a)				(a)				(a)
49	(a)				(a)				(a)
50	(a)				(a)				(a)
51	(a)				(a)				(a)
52	(a)				(a)				(a)
53	21,115				354,975				354,975
54		660	2,903	g 32		11,071	52,996	g 319	64,386
55	8,336				143,609				143,609
56		405				6,339			6,339
57	512				8,842				8,842
58	21,973				379,190				379,190
59				h 4,525				h 99,930	90,930
60				i 37,754				i 1,627,973	1,627,973
61			29,663				840,427		840,427
62			5,472				109,097		109,097

a Not reported.

b Scrap.

c The quantity and cost of other materials (ends) are inseparably combined with the quantity and cost of billets.

d The quantity and cost of blooms are inseparably combined with the quantity and cost of ingots.

e This amount represents the total net cost of ingots; the gross cost of ingots is not reported.

f Slabs.

g Bad ingots.

h Steel.

i Steel rods.

TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL  
AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## C.—PROPORTIONS OF MATERIALS USED.

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States; numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 11, 24, 31 to 34, 53, 54, and 56 are in Great Britain.]

Establishment number.	Pounds of materials to one ton of product.				Cost of materials per ton of 2,240 pounds.			
	Ingots.	Blooms.	Billets.	Other.	Ingots.	Blooms.	Billets.	Other.
1.	(a)				(a)			
2.		1,300	1,384			\$20.594	\$29.765	
3.		37	2,481	b 109		27.946	34.457	b \$16.352
4.			2,598				34.944	
5.			2,593	b 39			34.871	b 16.111
6.			2,437				26.535	
7.	2,560				\$23.671			
8.			2,569				21.166	
9.			c 2,449	(c)			c 21.410	(c)
10.	2,549				18.954			
11.		2,421				16.689		
12.	2,616				22.974			
13.		2,170	240			26.804	26.406	
14.	73	1,464	849	b 2	23.863	26.693	27.135	b 16.429
15.		2,394				31.076		
16.	2,516				22.893			
17.	2,513				21.575			
18.	d 2,705	(d)			d 16.230	(d)		
19.		2,567				16.996		
20.	(a)				(a)			
21.	(a)				(a)			
22.	(a)				(a)			
23.	2,660				16.174			
24.		2,317				15.657		
25.	2,463				24.216			
26.	2,567				20.938			
27.	2,618				21.073			
28.	2,516				21.741			
29.	2,491				23.250			
30.	2,268				15.728			
31.	2,321				14.063			
32.	2,410				14.063			
33.	2,486				e 21.295			
34.	2,485				e 21.291			
35.	2,575				36.000			
36.			2,514				34.018	
37.			2,548				34.527	
38.			772	f 1,556			34.438	f 29.366
39.			2,582				27.571	
40.			2,535				34.602	
41.	2,889				31.000			
42.	2,800				30.200			
43.	2,605				17.190			
44.	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
45.	(a)				(a)			
46.	2,883				16.385			
47.	(a)				(a)			
48.	(a)				(a)			
49.	(a)				(a)			
50.	(a)				(a)			
51.	(a)				(a)			
52.	(a)				(a)			
53.	3,517				(a)			
54.		532	2,340	g 26	16.812			
55.	2,627				17.228	16.774	18.256	g 9.969
56.		2,668				15.652		
57.	2,757				17.270			
58.	2,500				17.257			
59.								
60.				h 2,372				h 22.084
61.			2,509	i 2,298			28.333	i 43.121
62.			2,475				19.937	

a Not reported.

b Scrap.

c The quantity and cost of other materials (ends) are inseparably combined with the quantity and cost of billets.

d The quantity and cost of blooms are inseparably combined with the quantity and cost of ingots.

e This amount represents the net cost of ingots per ton; the gross cost of ingots per ton is not reported.

f Slabs.

g Bad ingots.

h Steel.

i Steel rods.

TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## D.—GENERAL STATEMENT OF COST FOR THE PERIOD.

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States; numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 11, 24, 31 to 34, 53, 54, and 56 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.			Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
	Gross.	Value of cinder, scrap, etc.	Net.						
1.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
2.....	\$75,598	\$4,303	\$71,295	\$13,212	\$773	\$2,573	\$1,280	\$413	\$89,546
3.....	87,805	3,171	84,634	22,265	1,830	2,997	1,558	976	114,260
4.....	11,916	383	11,533	3,016	242	513	206	129	15,639
5.....	21,172	716	20,456	5,640	428	942	365	228	28,059
6.....	5,254	124	5,130	1,078	63	193	104	34	6,600
7.....	3,593	154	3,444	b 398	(b)	286	b 168	(b)	b 4,582
8.....	4,466	230	4,227	b 410	(b)	230	b 229	(b)	b 5,402
9.....	17,278	511	16,767	b 1,466	(b)	861	b 975	(b)	b 20,599
10.....	143,333	6,698	136,635	11,576	1,170	3,023	17,091	179	169,674
11.....	48,616	1,845	46,771	3,585	101	1,333	1,819	43	53,652
12.....	996,984	72,303	924,681	60,322	11,225	18,191	10,935	3,300	1,028,654
13.....	35,757	527	35,230	5,247	430	1,467	711	229	43,314
14.....	190,850	4,299	186,560	31,956	2,313	7,355	3,830	1,233	233,247
15.....	8,104	112	8,092	1,043	85	259	141	45	9,665
16.....	563,554	1,949	561,605	27,945	2,850	5,114	9,122	497	607,133
17.....	611,495	8,648	602,847	29,855	3,288	7,868	25,030	651	669,539
18.....	31,714	3,535	28,179	b 633	(b)	663	b 545	(b)	b 30,328
19.....	125,177	6,478	118,699	5,334	591	1,777	6,176	90	132,667
20.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
21.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
22.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
23.....	566,912	40,175	526,737	53,547	d 34,085	6,140	21,342	(c)	d 642,451
24.....	102,347	898	101,449	5,641	237	3,694	4,268	100	115,389
25.....	257,438	12,365	245,073	13,869	3,500	2,984	3,559	88	269,073
26.....	1,552,169	21,445	1,530,724	80,989	5,551	17,598	17,835	531	1,653,228
27.....	1,304,360	4,072	1,300,288	58,694	4,973	14,266	19,359	525	1,398,105
28.....	1,495,578	2,548	1,493,030	79,047	8,505	19,060	21,026	6,375	1,622,943
29.....	1,422,900	33,385	1,389,515	59,941	12,000	35,766	38,713	1,500	1,537,435
30.....	285,380	834	284,546	e 2,779	(e)	2,834	e 3,339	(e)	e 296,568
31.....	724,330	5,738	718,592	20,278	1,255	20,393	17,288	147	777,953
32.....	170,244	5,703	164,541	9,654	423	6,348	7,598	178	188,742
33.....	(a)	(a)	35,712	1,206	15	174	f 735	(f)	37,842
34.....	(a)	(a)	44,775	4,016	119	695	f 1,384	(f)	50,989
35.....	18,540	1,030	17,510	2,832	224	627	112	167	21,472
36.....	3,742	89	3,653	1,111	83	159	03	44	5,143
37.....	26,586	884	25,702	6,183	576	1,121	644	307	34,533
38.....	16,486	49	16,437	4,067	436	876	487	232	22,535
39.....	7,913	379	7,534	1,474	86	516	143	46	9,799
40.....	7,128	227	6,901	1,668	155	172	173	83	9,152
41.....	243,660	26,880	216,780	49,192	3,473	8,882	8,873	587	287,787
42.....	226,500	12,000	214,500	34,725	6,000	15,000	18,000	1,600	290,025
43.....	17,310	1,003	16,307	799	85	255	953	13	18,412
44.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
45.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
46.....	280,950	37,574	243,376	45,688	c 18,880	7,288	16,175	(c)	d 331,40
47.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
48.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
49.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
50.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
51.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)
52.....	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)	(a)

a Not reported.

b In establishment number 7, general expenses amounting to \$169, and expenses on bars amounting to \$117, and in establishment number 8, general expenses amounting to \$145, and expenses on bars amounting to \$161, and in establishment number 9, general expenses amounting to \$519, and expenses on bars amounting to \$11, and in establishment number 18, general expenses amounting to \$308, are included in the totals, but are not included elsewhere. The former (general expenses) covers taxes and insurance, and includes a part of the pay of officials and clerks, together with a small amount properly chargeable to labor and to supplies and repairs; the latter (expenses on bars) embraces a part of the pay of officials and clerks and of labor. The office has no knowledge of the proper segregation in these cases.

c The expenditures for taxes and insurance are inseparably combined with those for officials and clerks.

d Including insurance.

e General expenses, amounting to \$3,070, are included in the total, but are not included elsewhere; the item covers taxes and insurance and includes a part of the pay of officials and clerks, together with a small amount properly chargeable to labor and to supplies and repairs. The office has no knowledge of the proper segregation in these cases.

f The expenditures for taxes are inseparably combined with those for supplies and repairs.



TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL  
AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## D.—GENERAL STATEMENT OF COST FOR THE PERIOD—Concluded.

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States; numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 1, 24, 31 to 34, 53, 54, and 56 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.			Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
	Gross.	Value of cinder, scrap, etc.	Net.						
53.....	\$354,975	\$78,606	\$276,369	\$59,401	\$914	\$29,843	\$20,282	\$180	\$386,989
54.....	64,386	8,518	55,868	10,174	105	2,313	1,875	44	70,379
55.....	143,609	10,995	132,614	7,839	675	2,118	15,721	107	159,074
56.....	6,339	574	5,765	994	13	231	177	2	7,182
57.....	8,842	934	7,908	a 770	(a)	876	a 250	(a)	a 10,246
58.....	379,190	13,900	365,290	18,015	1,792	6,023	12,621	276	404,017
59.....	99,930	855	99,075	7,589	675	2,681	8,127	107	118,254
60.....	1,627,973	.....	1,627,973	533,206	24,000	80,365	99,323	1,000	2,365,867
61.....	840,427	15,891	824,536	88,494	12,000	59,592	10,859	1,500	996,981
62.....	109,097	3,049	106,048	13,861	753	5,127	9,934	119	135,842

a General expenses, amounting to \$364, and expenses on slabs, amounting to \$78, are included in the total, but are not included elsewhere; the former (general expenses) covers taxes and insurance, and includes a part of the pay of officials and clerks, together with a small amount properly chargeable to labor and to supplies and repairs; the latter (expenses on slabs) embraces a part of the pay of officials and clerks and of labor. The office has no knowledge of the proper segregation in these cases.



TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## E.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States; numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 11, 24, 31 to 34, 53, 54, and 56 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.						Net.	Labor.	Officials and cl'ks.	Fuel.	Supplies and repairs.	Taxes	Total.
	Gross.					Value of cinder, scrap, etc.							
	Ingots	Blooms	Billets.	Other.	Total.								
1	\$20.618				\$20.618	\$1.872	\$18.746	\$2.368	a\$1.069	\$0.220	\$0.592	(a)	b\$22.990
2		\$15.432	\$18.392		33.824	1.925	31.899	5.911	.346	1.151	.573	\$0.185	40.065
3		.465	38.170	c\$0.793	39.428	1.424	38.004	9.997	.822	1.346	.700	.438	51.307
4			40.531		40.531	1.303	39.228	10.258	.823	1.745	.701	.439	53.194
5			40.359	c. 278	40.637	1.374	39.263	10.825	.821	1.808	.701	.438	55.856
6			28.868		28.868	.681	28.187	5.912	.346	1.061	.571	.187	36.264
7	27.053				27.053	1.158	25.895	d. 992	(d)	2.150	d 1.263	(d)	d 34.451
8			24.272		24.272	1.299	22.973	d. 228	(d)	1.250	d 1.245	(d)	d 29.359
9			e23.412	(e)	23.412	.692	22.720	d. 1986	(d)	1.167	d 1.321	(d)	d 27.912
10	21.570				21.570	1.008	20.562	1.742	.176	.455	2.572	.027	25.534
11		18.039			18.039	.684	17.355	1.330	.037	.495	.675	.016	19.908
12	26.830				26.830	1.946	24.884	1.623	.302	.490	.294	.089	27.682
13		25.962	2.828		28.790	.424	28.366	4.225	.346	1.181	.572	.184	34.874
14	.781	17.451	10.284	c. 017	28.533	.643	27.890	4.777	.346	1.100	.573	.184	34.870
15		33.215			33.215	.454	32.761	4.223	.344	1.049	.571	.182	39.130
16	25.714				25.714	.089	25.625	1.276	.130	.233	.416	.023	27.703
17	24.206				24.206	.342	23.864	1.182	.130	.311	.991	.026	26.504
18	19.601	(f)			19.601	2.185	17.416	d. 391	(d)	.410	d. 337	(d)	d 18.744
19		19.477			19.477	1.008	18.469	.830	.092	.276	.961	.014	20.642
20	18.613				18.613	1.001	17.612	1.219	a 1.250	.152	.648	(a)	b 20.881
21	18.378				18.378	.912	17.466	1.079	a 1.153	.208	.564	(a)	b 20.470
22	19.106				19.106	1.270	17.836	1.804	a 1.294	.157	.716	(a)	b 21.807
23	19.205				19.205	1.361	17.844	1.814	a 1.175	.208	.723	(a)	b 21.764
24		16.192			16.192	.142	16.050	.892	.038	.584	.675	.016	18.255
25	26.625				26.625	1.279	25.346	1.434	.362	.300	.368	.009	27.828
26	23.996				23.996	.331	23.665	1.252	.086	.272	.276	.008	25.559
27	24.628				24.628	.077	24.551	1.108	.094	.269	.366	.010	26.398
28	24.422				24.422	.042	24.380	1.306	.057	.311	.343	.104	26.501
29	25.854				25.854	.607	25.247	1.089	.218	.650	.704	.027	27.935
30	15.923				15.923	.046	15.877	g. 155	(g)	.158	g. 186	(g)	g 16.547
31	14.575				14.575	.115	14.460	.408	.025	.410	.348	.003	15.654
32	15.129				15.129	.507	14.622	.858	.038	.564	.675	.016	16.773
33	(h)				(h)	(h)	23.635	.798	.010	.115	i. 486	(i)	25.044
34	(h)				(h)	(h)	23.615	2.118	.063	.367	i. 730	(i)	26.893
35	41.334				41.334	2.299	39.085	6.321	.500	1.400	.250	.373	47.929
36			38.183		38.183	.908	37.275	11.337	.847	1.622	.949	.449	52.479
37			39.271		39.271	1.306	37.965	9.133	.851	1.656	.951	.453	51.009
38			11.861	j 20.401	32.262	.096	32.166	7.959	.853	1.715	.953	.454	44.100
39			31.779		31.779	1.522	30.257	5.920	.845	2.072	.574	.185	39.353
40			39.165		39.165	1.247	37.918	9.165	.852	.945	.950	.456	50.286
41	39.984				39.984	4.411	35.573	8.072	.570	1.458	1.456	.096	47.225
42	37.750				37.750	2.006	35.750	5.768	1.000	2.500	3.000	.300	48.338
43	19.988				19.988	1.158	18.830	.923	.098	.294	1.101	.015	21.261

a The expenditures for taxes and insurance are inseparably combined with those for officials and clerks.

b Including insurance.

c Scrap.

d In establishment number 7, general expenses, amounting to \$1.271 per ton, and expenses on bars amounting to 88 cents per ton, and in establishment number 8, general expenses amounting to 78.8 cents per ton, and expenses on bars amounting to 87.5 cents per ton, and in establishment number 9, general expenses amounting to 70.3 cents per ton, and expenses on bars amounting to 1.5 cents per ton, and in establishment number 18, general expenses amounting to 19 cents per ton are included in the totals, but are not included elsewhere; the former (general expenses) covers taxes and insurance, and includes a part of the pay of officials and clerks, together with a small amount properly chargeable to labor and to supplies and repairs; the latter (expenses on bars) embraces a part of the pay of officials and clerks and of labor. The office has no knowledge of the proper segregation in these cases.

e The expenditures for other materials (ends) are inseparably combined with those for billets.

f The expenditures for blooms are inseparably combined with those for ingots.

g General expenses amounting to 17.1 cents per ton are included in the total, but are not included elsewhere; the item covers taxes and insurance, and includes a part of the pay of officials and clerks, together with a small amount properly chargeable to labor, and to supplies and repairs. The office has no knowledge of the proper segregation in these cases.

h Not reported.

i The expenditures for taxes are inseparably combined with those for supplies and repairs.

j Slabs.

TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## E.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS—Concluded.

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States; numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 11, 24, 31 to 34, 53, 54, and 56 are in Great Britain. Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Materials.						Net.	Labor.	Officials and c'ks.	Fuel.	Supplies and repairs.	Taxes	Total.
	Gross.					Value of cinder, scrap, etc.							
	Ingots	Blooms	Billets.	Other.	Total.								
44	(a)		(a)	(a)	(a)	(a)	\$27.844	\$3.510	b\$0.863	\$2.451	\$0.823	(b)	c \$35.491
45	\$21.306				\$21.306	\$2.667	18.639	3.795	b1.557	.568	.963	(b)	c 25.522
46	21.086				21.086	2.820	18.266	3.429	b1.417	.547	1.214	(b)	c 24.873
47	23.512				23.512	3.811	19.701	5.828	b1.557	.568	.963	(b)	c 28.617
48	23.413				23.413	3.784	19.629	4.771	b1.427	.530	1.211	(b)	c 27.568
49	20.886				20.886	2.450	18.436	3.620	b1.557	.568	.963	(b)	c 25.144
50	20.552				20.552	2.101	18.451	3.262	b1.446	.554	1.226	(b)	c 24.939
51	21.077				21.077	2.551	18.526	3.124	b1.557	.544	.963	(b)	c 24.714
52	20.683				20.683	3.277	17.406	3.030	b1.381	.544	1.197	(b)	c 23.558
53	26.396				26.396	5.845	20.551	4.417	.068	2.219	1.508	\$0.014	28.777
54		\$3.984	\$19.070	d\$0.115	23.169	3.065	20.104	3.661	.038	.832	.674	.016	25.325
55	20.207				20.207	1.547	18.660	1.103	.095	.298	2.212	.015	22.383
56		18.644			18.644	1.688	16.956	2.924	.038	.679	.521	.006	21.124
57	21.255				21.255	2.245	19.010	e1.851	(e)	2.106	e.601	(e)	e 24.630
58	19.259				19.259	.706	18.553	.915	.091	.306	.641	.014	20.520
59				f23.386	23.386	.200	23.186	1.776	.158	.628	1.902	.025	27.675
60				g44.242	44.242		44.242	14.491	.652	2.184	2.699	.027	64.295
61			31.732		31.732	.600	31.132	3.341	.453	2.250	.410	.057	37.643
62			22.031		22.031	.616	21.415	2.799	.152	1.035	2.006	.024	27.431

a Not reported.

b The expenditures for taxes and insurance are inseparably combined with those for officials and clerks.

c Including insurance.

d Bad ingots.

e General expenses amounting to 87.5 cents per ton and expenses on slabs amounting to 18.7 cents per ton, are included in the total, but are not included elsewhere; the former (general expenses) covers taxes and insurance, and includes a part of the pay of officials and clerks, together with a small amount properly chargeable to labor and to supplies and repairs; the latter (expenses on slabs) embraces a part of the pay of officials and clerks and of labor. The office has no knowledge of the proper segregation in these cases.

f Steel.

g Steel rods.

**TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.****F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States; numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 11, 24, 31 to 34, 53, 54 and 56 are in Great Britain. This table is based on the preceding one, and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish.]

Establishment number.	Materials (net).	Labor.	Officials and clerks.	Fuel.	Supplies and repairs.	Taxes.	Total.
1.....	81.54	10.28	4.65	.96	2.57	.....	100
2.....	79.62	14.75	.87	2.87	1.43	.46	100
3.....	74.07	19.49	1.60	2.62	1.37	.85	100
4.....	73.74	19.28	1.55	3.28	1.32	.83	100
5.....	72.90	20.10	1.53	3.36	1.30	.81	100
6.....	77.73	16.30	.95	2.93	1.57	.52	100
7.....	75.16	8.69	.....	6.24	3.67	.....	100
8.....	78.25	7.59	.....	4.26	4.24	.....	100
9.....	81.40	7.12	.....	4.18	4.73	.....	100
10.....	80.53	6.82	.69	1.78	10.07	.11	100
11.....	87.18	6.68	.18	2.49	3.39	.08	100
12.....	89.89	5.87	1.09	1.77	1.06	.32	100
13.....	81.34	12.11	.99	3.39	1.64	.63	100
14.....	79.98	13.70	.99	3.16	1.64	.53	100
15.....	83.72	10.79	.88	2.68	1.46	.47	100
16.....	92.50	4.61	.47	.84	1.50	.08	100
17.....	90.04	4.46	.49	1.17	3.74	.10	100
18.....	92.91	2.09	.....	2.19	1.80	.....	100
19.....	89.47	4.02	.45	1.34	4.65	.07	100
20.....	84.34	5.84	5.99	.73	3.10	.....	100
21.....	85.32	5.27	5.63	1.02	2.76	.....	100
22.....	81.79	8.27	5.94	.72	3.28	.....	100
23.....	81.99	8.33	5.40	.96	3.32	.....	100
24.....	87.92	4.88	.21	3.20	3.70	.09	100
25.....	91.08	5.16	1.30	1.11	1.32	.03	100
26.....	92.59	4.90	.34	1.06	1.08	.03	100
27.....	93.00	4.20	.35	1.02	1.39	.04	100
28.....	92.00	4.93	.22	1.17	1.29	.39	100
29.....	90.38	3.90	.78	2.33	2.52	.09	100
30.....	95.95	.94	.....	.96	1.12	.....	100
31.....	92.37	2.61	.16	2.62	2.22	.02	100
32.....	87.18	5.11	.23	3.36	4.02	.10	100
33.....	94.37	3.19	.04	.46	1.94	.....	100
34.....	87.81	7.88	.23	1.37	2.71	.....	100
35.....	81.55	13.19	1.04	2.62	.52	.78	100
36.....	71.03	21.60	1.61	3.09	1.81	.86	100
37.....	74.43	17.90	1.67	3.25	1.86	.89	100
38.....	72.94	18.05	1.93	3.89	2.16	1.03	100
39.....	76.89	15.04	.88	5.26	1.46	.47	100
40.....	75.40	18.23	1.69	1.88	1.89	.91	100
41.....	75.33	17.09	1.21	3.09	3.08	.20	100
42.....	73.96	11.97	2.07	5.17	6.21	.62	100
43.....	88.57	4.34	.46	1.38	5.18	.07	100
44.....	78.45	9.89	2.43	6.91	2.32	.....	100
45.....	73.03	14.87	6.10	2.23	3.77	.....	100
46.....	73.44	13.78	5.70	2.20	4.88	.....	100
47.....	68.84	20.37	5.44	1.98	3.37	.....	100
48.....	71.20	17.31	5.18	1.92	4.39	.....	100
49.....	73.32	14.40	6.19	2.26	3.83	.....	100
50.....	73.98	13.08	5.80	2.22	4.92	.....	100
51.....	74.96	12.64	6.30	2.20	3.90	.....	100
52.....	73.89	12.86	5.86	2.31	5.08	.....	100
53.....	71.41	15.35	.24	7.71	5.24	.05	100
54.....	79.38	14.46	.15	3.29	2.66	.06	100
55.....	83.37	4.93	.42	1.33	9.88	.07	100
56.....	80.27	13.84	.18	3.21	2.47	.03	100
57.....	77.18	7.52	.....	8.55	2.44	.....	100
58.....	90.42	4.46	.44	1.49	3.12	.07	100
59.....	83.78	6.42	.57	2.27	6.87	.09	100
60.....	68.81	22.54	1.01	3.40	4.20	.04	100
61.....	82.70	8.88	1.20	5.98	1.09	.15	100
62.....	78.07	10.20	.56	3.77	7.31	.09	100



TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL  
AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Continued.

## G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States, numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 11, 24, 31 to 34, 53, 54, and 56 are in Great Britain.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1	(a)			(a)
2	\$70	\$1,237		\$1,307
3	165	2,928		3,093
4	22	387		409
5	38	685		723
6	6	101		107
7	(a)	(a)	(a)	(a)
8	(a)	(a)	(a)	(a)
9	(a)	(a)	(a)	(a)
10	73	(a)	(a)	b 73
11	(a)	(a)	(a)	(a)
12	400	12,667		13,067
13	39	687		726
14	208	3,700		3,908
15	8	137		145
16				
17				
18	(a)	(a)	(a)	(a)
19	39	(a)	(a)	b 39
20	(a)			(a)
21	(a)			(a)
22	(a)			(a)
23	(a)			(a)
24	(a)	(a)	(a)	(a)
25	100	3,287		3,387
26				
27		6,375		6,375
28				
29	1,000		\$15,000	16,000
30	(a)	(a)	(a)	(a)
31				
32		(a)	(a)	(a)
33		(a)	(a)	(a)
34		(a)	(a)	(a)
35	50	(a)	(a)	b 50
36	7	133		140
37	52	922		974
38	39	697		736
39	8	138		146
40	14	248		262
41	198	10,483		10,681
42	900			900
43	5	(a)	(a)	b 5
44	(a)	(a)	(a)	(a)
45	(a)			(a)
46	(a)	(a)	(a)	(a)
47	(a)			(a)
48	(a)			(a)
49	(a)			(a)
50	(a)			(a)
51	(a)			(a)
52	(a)			(a)
53	28	(a)	(a)	b 28
54		(a)	(a)	(a)
55	43	(a)	(a)	b 43
56				
57	(a)	(a)	(a)	(a)
58	118	(a)	(a)	b 118
59	43	(a)	(a)	b 43
60	1,500		25,000	26,500
61	1,000		20,000	21,000
62	50	(a)	(a)	b 50

a Not reported.

b Not including interest and depreciation of value of plant.



TABLE VII.—COST OF PRODUCTION OF MISCELLANEOUS STEEL AT VARIOUS ESTABLISHMENTS IN VARIOUS STATES—Concluded.

## II.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS.

[Establishments numbers 2 to 6, 12 to 17, 25 to 29, 35 to 42, 60, and 61 are in the United States; numbers 1, 7 to 10, 18 to 23, 30, 43 to 52, 55, 57 to 59, and 62 are on the continent of Europe; and numbers 11, 24, 31 to 34, 53, 54, and 56 are in Great Britain.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	(a)			(a)
2.....	\$0.031	\$0.554		\$0.585
3.....	.074	1.315		1.389
4.....	.075	1.316		1.391
5.....	.073	1.315		1.388
6.....	.033	.555		.588
7.....	(a)	(a)	(a)	(a)
8.....	(a)	(a)	(a)	(a)
9.....	(a)	(a)	(a)	(a)
10.....	.011	(a)	(a)	b.011
11.....	(a)	(a)	(a)	(a)
12.....	.011	.341		.352
13.....	.031	.553		.584
14.....	.031	.553		.584
15.....	.032	.555		.587
16.....				
17.....				
18.....	(a)	(a)	(a)	(a)
19.....	.006	(a)	(a)	b.006
20.....	(a)			(a)
21.....	(a)			(a)
22.....	(a)			(a)
23.....	(a)			(a)
24.....	(a)	(a)	(a)	(a)
25.....	.010	.340		.350
26.....				
27.....				
28.....		.104		.104
29.....	.018		\$0.273	.291
30.....	(a)	(a)	(a)	(a)
31.....				
32.....		(a)	(a)	(a)
33.....		(a)	(a)	(a)
34.....		(a)	(a)	(a)
35.....	.112	(a)	(a)	b.112
36.....	.072	1.357		1.429
37.....	.077	1.362		1.439
38.....	.076	1.364		1.440
39.....	.032	.554		.586
40.....	.077	1.363		1.430
41.....	.033	1.720		1.753
42.....	.150			.150
43.....	.006	(a)	(a)	b.006
44.....	(a)	(a)	(a)	(a)
45.....	(a)			(a)
46.....	(a)	(a)	(a)	(a)
47.....	(a)			(a)
48.....	(a)			(a)
49.....	(a)			(a)
50.....	(a)			(a)
51.....	(a)			(a)
52.....	(a)			(a)
53.....	.002	(a)	(a)	b.002
54.....		(a)	(a)	(a)
55.....	.006	(a)	(a)	b.006
56.....				
57.....	(a)	(a)	(a)	(a)
58.....	.006	(a)	(a)	b.006
59.....	.010	(a)	(a)	b.010
60.....	.041		.679	.720
61.....	.038		.755	.793
62.....	.010	(a)	(a)	b.010

a Not reported.

b Not including interest and depreciation of value of plant.



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BITUMINOUS COAL.

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## BITUMINOUS COAL.

The titles of table VIII and its sub-tables are as follows:

TABLE VIII.—*Cost of Production of Bituminous Coal at Various Mines in Various States.*

- A.—Period covered and description of mine.
- B.—The miner and the product.
- C.—Chemical analysis of coal (per cent.)
- D.—General statement of cost for the period.
- E.—Elements of cost in one ton of 2,000 pounds.
- F.—Per cent. of each element of cost in one ton of 2,000 pounds.
- G.—Additional cost of certain theoretical elements.
- H.—Additional cost of certain theoretical elements in one ton of 2,000 pounds.

In sub-table A, under the heading kind of mine, the answers shaft, slope, or drift have been inserted. These answers, together with those giving the depth of shaft, distance from surface to working point, and thickness of vein, will indicate in some degree the relative difficulties of mining in the different establishments.

In sub-table B are shown the amounts paid out by the miner for tool sharpening, oil, gunpowder, and other purposes. These items are necessary to be considered in comparing the labor cost of mining in different mines. In some cases (particularly in foreign countries) these expenses are borne by the establishment, and would be charged under supplies, but the general rule in this country seems to be to pay a gross sum per ton to the miner, out of which he shall pay, or suffer a deduction for, these charges, so that the labor cost of mining in such cases represents the amount paid for labor and for such supplies, and would not be comparative with the cost in an establishment which furnishes these things. In this respect coal mining seems to differ from ore mining or limestone quarrying, in which the powder, etc., are very generally, if not always, furnished by the establishment. In this same table are also shown the number of tons of coal mined per miner per week, and the price paid per ton for tons of the size used as a measure at each particular mine, as well as the output per miner per week in tons of the uniform size of 2,000 pounds.

Sub-table C shows the chemical analysis of the coal as reported by the establishment. As will be apparent upon examination these analyses were not all made upon the same basis, some being made before and some after evaporation of the moisture.

In sub-tables D and E, relating to the cost of the product, it will be noticed that there is a column headed value of screenings, which is used as a credit against total cost. This is applicable only in mines producing lump coal, and shows (D) the estimated total value and (E) the estimated value per ton of product of the fine coal which passes through the screens and for which the miner receives no pay. As this coal has a value it is manifestly proper to credit it against cost. Of course, strictly speaking, this credit for screenings should be distributed proportionally among the various elements of cost, but it was impossible to do this and at the same time preserve the actual conditions as to payment of miners, etc., under which the operations of the mines were conducted. In these same tables the reader will not fail to notice considerable variations in the costs of coal apparently mined in the same locality and, so far as the tables show, under practically the same conditions. The explanation for these differences in such cases may lie partially in the varying economy of administration, but is doubtless chiefly due to natural advantages or disadvantages which do not find full expression in the reports received; the amount of slate in the vein of coal, character of the roof, the conditions as to moisture and many other circumstances have effect in determining the amount of production and the consequent cost.

In sub-table F, showing the per cent. of each element of cost in one ton, it will be noticed that the column of deductions for value of screenings has been neglected and that the percentages are based on the gross cost per ton. This was done because the details would otherwise show more than 100 per cent., followed by a reduction to 100 per cent. on account of the credit for screenings, whereas if it were possible to have properly divided the credit for screenings among the several elements, their relative amounts could scarcely have been disturbed.

The last two sub-tables (G and H), relating to insurance, interest, depreciation of the value of the plant, and royalty to the owners of the soil are very fragmentary. The remarks made as to this class of items in the remarks prefatory to the pig iron tables are applicable here.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES.

## A.—PERIOD COVERED AND DESCRIPTION OF MINE.

Es- tab- lish- ment num- ber.	Locality.	Period covered.		Kind of mine.	Depth of shaft (feet).	From sur- face to work- ing point (feet).	Thick- ness of vein (inch- es).	Size of screen (inches).
		Terminal dates.	Days of run- ning time.					
1	United States.	Sept. 1, 1888, to Aug. 31, 1889	213	Shaft ...	(a)	2,500	56	None used.
2	do	Jan. 1, 1889, to Dec. 31, 1889	312	Shaft ...	(b)	(c)	84	2½
3	do	Jan. 1, 1889, to Dec. 31, 1889	296	(d)	375	(e)	(f)	None used.
4	do	Feb. 1, 1889, to Jan. 31, 1890	301	Drift ...	(d)	(e)	(g)	2
5	do	Feb. 1, 1889, to Jan. 31, 1890	(h)	(i)	(j)	(k)	54	None used.
6	do	Jan. 1, 1890, to Jan. 31, 1890	24	Shaft ...	75	1,000	30	None used.
7	do	May 1, 1888, to Apr. 30, 1889	190	Shaft ...	460	1,427	42	¾
8	do	May 1, 1888, to Apr. 30, 1889	198	Shaft ...	460	2,640	42	¾
9	do	May 1, 1888, to Apr. 30, 1889	206	Shaft ...	100	1,427	36	¾
10	do	July 1, 1888, to June 30, 1889	184	Shaft ...	146	1,700	78	None used.
11	do	Jan. 1, 1889, to Dec. 31, 1889	240	Shaft ...	470	2,640	42	1
12	do	Jan. 1, 1889, to Dec. 31, 1889	202	Shaft ...	114	900	78	None used.
13	do	Jan. 1, 1889, to Dec. 31, 1889	150	Shaft ...	245	1,320	72	¾
14	do	Jan. 1, 1889, to Dec. 31, 1889	192	Shaft ...	350	2,500	84	1½
15	do	Jan. 1, 1889, to Dec. 31, 1889	249	Shaft ...	240	1,427	72	1
16	do	Jan. 1, 1889, to Dec. 31, 1889	212	Shaft ...	250	2,300	72	¾
17	do	July 1, 1889, to Dec. 31, 1889	100	Shaft ...	205	(k)	72	¾
18	do	July 1, 1889, to Dec. 31, 1889	131	Shaft ...	612	1,320	48	¾
19	do	Oct. 1, 1889, to Oct. 31, 1889	22	Shaft ...	115	1,427	38	¾
20	do	Oct. 1, 1889, to Oct. 31, 1889	20	Shaft ...	90	1,320	36	¾
21	do	Nov. 1, 1889, to Nov. 30, 1889	18	Shaft ...	460	1,427	42	¾
22	do	Nov. 1, 1889, to Nov. 30, 1889	15	Shaft ...	100	1,427	36	¾
23	do	Nov. 1, 1889, to Nov. 30, 1889	20	Shaft ...	460	2,640	42	¾
24	do	Nov. 1, 1889, to Nov. 30, 1889	17	Shaft ...	100	3,960	57	¾
25	do	May 1, 1888, to Apr. 30, 1889	151	Shaft ...	65	1,320	60	1½
26	do	May 1, 1888, to Apr. 30, 1889	177	Shaft ...	95	660	60	None used.
27	do	Jan. 1, 1889, to Dec. 31, 1889	200	Shaft ...	85	900	54	1½
28	do	Jan. 1, 1889, to Dec. 31, 1889	200	Shaft ...	95	3,960	72	1½
29	do	Jan. 1, 1889, to Dec. 31, 1889	155	Shaft ...	25	900	78	1
30	do	Jan. 1, 1889, to Dec. 31, 1889	191	Shaft ...	80	900	66	1½
31	do	Jan. 1, 1889, to Dec. 31, 1889	116	Shaft ...	230	900	72	1½
32	do	Jan. 1, 1889, to Dec. 31, 1889	157	Shaft ...	65	1,320	60	1½
33	do	Aug. 7, 1889, to Dec. 31, 1889	87	Shaft ...	55	600	48	1½
34	do	Sept. 1, 1889, to Dec. 31, 1889	52	Shaft ...	75	450	78	1
35	do	Jan. 1, 1889, to Dec. 31, 1889	230	Slope ...	4,620		126	None used.
36	do	Jan. 1, 1889, to Dec. 31, 1889	160	Slope ...	1,000		168	None used.
37	do	Jan. 1, 1889, to Dec. 31, 1889	260	Slope ...	1,320		120	None used.
38	do	Dec. 1, 1889, to Dec. 31, 1889	20	Slope ...	5,280		120	None used.
39	do	Dec. 1, 1889, to Dec. 31, 1889	22	Slope ...	3,000		120	None used.
40	do	July 1, 1888, to June 30, 1889	165	Shaft ...	140	2,000	36	1½
41	do	Jan. 1, 1889, to Sept. 30, 1889	156	Shaft ...	170	2,640	72	1½
42	do	Jan. 1, 1889, to Oct. 31, 1889	190	Drift ...	1,200		46	1½
43	do	Jan. 1, 1889, to Dec. 31, 1889	140	Shaft ...	50	2,640	108	1½
44	do	Jan. 1, 1889, to Dec. 31, 1889	144	Drift ...	2,640		48	1½
45	do	Jan. 1, 1889, to Dec. 31, 1889	149	Shaft ...	60	120	66	1½
46	do	Jan. 1, 1889, to Dec. 31, 1889	150	Shaft ...	(l)	(m)	(n)	1½
47	do	Jan. 1, 1889, to Dec. 31, 1889	150	Shaft ...	100	3,200	(o)	1½
48	do	Jan. 1, 1889, to Dec. 31, 1889	153	Shaft ...	83	2,640	51	1½
49	do	Jan. 1, 1889, to Dec. 31, 1889	156	Shaft ...	45	1,320	60	1½
50	do	Jan. 1, 1889, to Dec. 31, 1889	156	Drift ...	1,500		36	1½
51	do	Jan. 1, 1889, to Dec. 31, 1889	162	Drift ...	3,960		72	1½
52	do	Jan. 1, 1889, to Dec. 31, 1889	164	Shaft ...	132	900	48	1½
53	do	Jan. 1, 1889, to Dec. 31, 1889	166	Shaft ...	70	2,200	48	1½
54	do	Jan. 1, 1889, to Dec. 31, 1889	174	Shaft ...	80	3,500	54	1½
55	do	Jan. 1, 1889, to Dec. 31, 1889	175	Drift ...	2,000		54	1½
56	do	Jan. 1, 1889, to Dec. 31, 1889	171	Shaft ...	(p)	1,400	66	1½
57	do	Jan. 1, 1889, to Dec. 31, 1889	180	Shaft ...	90	1,590	72	1½
58	do	Jan. 1, 1889, to Dec. 31, 1889	180	Shaft ...	170	2,500	(q)	1½
59	do	Jan. 1, 1889, to Dec. 31, 1889	180	Shaft ...	90	1,950	(r)	1½
60	do	Jan. 1, 1889, to Dec. 31, 1889	182	Shaft ...	157	1,057	48	1½
61	do	Jan. 1, 1889, to Dec. 31, 1889	186	Drift ...	3,960		66	1½
62	do	Jan. 1, 1889, to Dec. 31, 1889	208	Shaft ...	125	(s)	46	1½
63	do	Jan. 1, 1889, to Dec. 31, 1889	212	Drift ...	4,000		48	1½

a From 400 to 500 feet.

b From 200 to 300 feet.

c Not reported.

d Slope and shaft.

e In slope, 2,000 feet; in shaft, not reported.

f 36 and 72 inches.

g From 34 to 48 inches.

h Vary in different mines, ranging from 250 to 308 days.

i From 100 to 350 feet.

j From 1,000 to 4,000 feet.

k From 1,500 to 2,000 feet.

l From 60 to 250 feet.

m From 2,000 to 3,000 feet.

n From 72 to 90 inches.

o From 48 to 72 inches.

p From 20 to 150 feet.

q From 30 to 66 inches.

r From 48 to 54 inches.

s From 175 to 725 feet.



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## A.—PERIOD COVERED AND DESCRIPTION OF MINE—Continued.

Estab- lish- ment num- ber.	Locality.	Period covered.		Kind of mine.	Depth of shaft (feet).	From sur- face to work- ing point (feet).	Thick- ness of vein (inch- es).	Size of screen (inches).
		Terminal dates.	Days of run- ning time.					
64	United States.	Jan. 1, 1889, to Dec. 31, 1889	218	Drift	.....	3,960	72	1½
65	do	Jan. 1, 1889, to Dec. 31, 1889	226	Drift	.....	5,400	56	1½
66	do	Jan. 1, 1889, to Dec. 31, 1889	226	Shaft	120	2,700	60	1½
67	do	Jan. 1, 1889, to Dec. 31, 1889	234	Shaft	135	1,600	72	1½
68	do	Jan. 1, 1889, to Dec. 31, 1889	240	Drift	.....	1,500	48	1½
69	do	Jan. 1, 1889, to Dec. 31, 1889	250	Shaft	110	3,500	66	1½
70	do	Jan. 1, 1889, to Dec. 31, 1889	251	Drift	.....	1,200	57	1½
71	do	Jan. 1, 1889, to Dec. 31, 1889	253	Shaft	65	2,500	48	1½
72	do	Jan. 1, 1889, to Dec. 31, 1889	280	Shaft	175	5,280	60	1½
73	do	Jan. 1, 1889, to Dec. 31, 1889	282	Drift	(a)	(a)	42	1½
74	do	Jan. 1, 1889, to Dec. 31, 1889	288	Shaft	140	2,640	(b)	1½
75	do	Jan. 1, 1889, to Dec. 31, 1889	290	Drift	.....	5,280	72	1½
76	do	Jan. 1, 1889, to Dec. 31, 1889	300	Drift	.....	(a)	48	1½
77	do	Jan. 1, 1889, to Dec. 31, 1889	(c)	Shaft	(d)	(a)	96	1½
78	do	Jan. 1, 1889, to Dec. 31, 1889	(e)	(f)	195	(g)	(h)	1½
79	do	Apr. 1, 1889, to Mar. 31, 1890	294	Drift	.....	6,920	(i)	1½
80	do	Apr. 1, 1889, to Mar. 31, 1890	114	Drift	.....	5,280	42	1½
81	do	July 1, 1888, to June 30, 1889	90	Drift	.....	7,920	54	1½
82	do	July 1, 1888, to June 30, 1889	100	Drift	.....	3,000	48	1½
83	do	July 1, 1888, to June 30, 1889	101	Drift	.....	10,560	54	1½
84	do	July 1, 1888, to June 30, 1889	120	Drift	.....	3,640	48	1½
85	do	July 1, 1888, to June 30, 1889	161	Drift	.....	2,640	48	1½
86	do	Oct. 1, 1888, to Sept. 30, 1889	200	Drift	.....	1,900	42	None used.
87	do	June 30, 1889, to Dec. 31, 1889	140	Slope	.....	1,000	48	None used.
88	do	Jan. 1, 1889, to Dec. 31, 1889	48	Shaft	120	1,300	53	1½
89	do	Jan. 1, 1889, to Dec. 31, 1889	170	Drift	.....	(a)	60	1½
90	do	Jan. 1, 1889, to Dec. 31, 1889	202	Drift	.....	2,500	60	None used.
91	do	Jan. 1, 1889, to Dec. 31, 1889	204	Shaft	50	1,500	54	1½
92	do	Jan. 1, 1889, to Dec. 31, 1889	225	Shaft	200	5,280	72	1½
93	do	Jan. 1, 1889, to Dec. 31, 1889	230	Drift	.....	4,800	54	(j)
94	do	Jan. 1, 1889, to Dec. 31, 1889	230	Slope	.....	3,640	60	None used.
95	do	Jan. 1, 1889, to Dec. 31, 1889	233	Shaft	65	5,000	48	None used.
96	do	Jan. 1, 1889, to Dec. 31, 1889	236	Drift	.....	2,000	52	1½
97	do	Jan. 1, 1889, to Dec. 31, 1889	236	Drift	.....	5,280	(k)	None used.
98	do	Jan. 1, 1889, to Dec. 31, 1889	239	Slope	.....	5,000	46	None used.
99	do	Jan. 1, 1889, to Dec. 31, 1889	250	Drift	.....	600	42	None used.
100	do	Jan. 1, 1889, to Dec. 31, 1889	250	Shaft	278	2,640	50	None used.
101	do	Jan. 1, 1889, to Dec. 31, 1889	250	Shaft	70	5,000	60	1½
102	do	Jan. 1, 1889, to Dec. 31, 1889	250	Drift	.....	5,280	50	1½
103	do	Jan. 1, 1889, to Dec. 31, 1889	250	Drift	.....	4,000	54	None used.
104	do	Jan. 1, 1889, to Dec. 31, 1889	252	Drift	.....	60	(l)	None used.
105	do	Jan. 1, 1889, to Dec. 31, 1889	256	Drift	.....	3,500	(m)	1½
106	do	Jan. 1, 1889, to Dec. 31, 1889	256	Slope	.....	3,800	60	1½
107	do	Jan. 1, 1889, to Dec. 31, 1889	260	Drift	.....	1,000	(n)	(j)
108	do	Jan. 1, 1889, to Dec. 31, 1889	262	Drift	.....	(o)	54	None used.
109	do	Jan. 1, 1889, to Dec. 31, 1889	270	Drift	.....	3,500	66	None used.
110	do	Jan. 1, 1889, to Dec. 31, 1889	288	Slope	.....	(a)	60	(a)
111	do	Jan. 1, 1889, to Dec. 31, 1889	300	Shaft	280	3,960	50	None used.
112	do	Jan. 1, 1889, to Dec. 31, 1889	300	Drift	.....	7,920	54	None used.
113	do	Jan. 1, 1889, to Dec. 31, 1889	300	Drift	.....	3,500	48	None used.
114	do	Jan. 1, 1889, to Dec. 31, 1889	300	Drift	.....	2,500	48	None used.
115	do	Jan. 1, 1889, to Dec. 31, 1889	300	Drift	.....	2,640	54	None used.
116	do	Jan. 1, 1889, to Dec. 31, 1889	70	Drift	.....	3,375	72	(p)
117	do	Jan. 1, 1889, to Dec. 31, 1889	104	Drift	.....	3,960	72	1½
118	do	Jan. 1, 1889, to Dec. 31, 1889	111	Drift	.....	5,280	72	1½
119	do	Jan. 1, 1889, to Dec. 31, 1889	136	Drift	.....	4,800	60	1½
120	do	Jan. 1, 1889, to Dec. 31, 1889	136	Drift	.....	2,400	(k)	(j)
121	do	Jan. 1, 1889, to Dec. 31, 1889	175	Drift	.....	(a)	48	(j)
122	do	Jan. 1, 1889, to Dec. 31, 1889	180	Drift	.....	2,640	54	1½
123	do	Jan. 1, 1889, to Dec. 31, 1889	182	Drift	.....	3,960	58	(j)
124	do	Jan. 1, 1889, to Dec. 31, 1889	183	Drift	.....	(a)	108	1½
125	do	Jan. 1, 1889, to Dec. 31, 1889	199	Drift	.....	(a)	54	1½
126	do	Jan. 1, 1889, to Dec. 31, 1889	200	Drift	.....	1,300	48	None used.

a Not reported.

b From 24 to 36 inches.

c One mine 18, one 193, one 196, and one 207 days.

d One 20, two 60, and one 120 feet.

e One mine 42, one 108, and one 132 days.

f One shaft and two drifts.

g One mine 100, one 1,320, and one 2,640 feet.

h Two 42 inches each and one 78 inches.

i From 42 to 48 inches.

j 1½ and 2 inch.

k From 54 to 60 inches.

l From 54 to 66 inches.

m From 54 to 96 inches.

n From 43 to 72 inches.

o From 400 to 6,000 feet.

p 1½ and 2 inch.



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## A.—PERIOD COVERED AND DESCRIPTION OF MINE—Concluded.

Es- tab- lish- ment num- ber.	Locality.	Period covered.		Kind of mine.	Depth of shaft (feet).	From sur- face to work- ing point (feet).	Thick- ness of vein (inch- es).	Size of screen (inches).
		Terminal dates.	Days of run- ning time.					
127	United States.	Jan. 1, 1889, to Dec. 31, 1889	210	Drift	.....	(a)	60	1½
128	do	Jan. 1, 1889, to Dec. 31, 1889	222	Drift	.....	5,280	54	1½
129	do	Jan. 1, 1889, to Dec. 31, 1889	225	Drift	.....	(a)	48	(b)
130	do	Jan. 1, 1889, to Dec. 31, 1889	230	Drift	.....	10,560	48	¾
131	do	Jan. 1, 1889, to Dec. 31, 1889	232	Drift	.....	7,920	66	1½
132	do	Jan. 1, 1889, to Dec. 31, 1889	244	Drift	.....	3,850	48	1½
133	do	Jan. 1, 1889, to Dec. 31, 1889	247	Drift	.....	4,000	60	Nonensd.
134	do	Jan. 1, 1889, to Dec. 31, 1889	203	Drift	.....	3,500	(c)	(b)
135	do	Jan. 1, 1889, to Dec. 31, 1889	250	Drift	.....	(a)	48	1½
136	do	Nov. 1, 1889, to Dec. 31, 1889	30	Drift	.....	1,200	64	1½
137	do	Dec. 1, 1889, to Mar. 31, 1890	102	Slope	.....	1,500	48	None used.
138	do	Jan. 1, 1890, to Mar. 31, 1890	50	Drift	.....	1,500	56	(b)
139	do	Jan. 1, 1889, to Dec. 31, 1889	200	Drift	.....	1,800	(c)	(b)
140	do	Jan. 1, 1889, to Dec. 31, 1889	226	Drift	.....	1,320	30	Nonused.
141	do	Apr. 1, 1889, to Mar. 31, 1889	310	Drift	.....	(a)	144	2
142	do	Jan. 1, 1889, to Dec. 31, 1889	150	Drift	.....	3,960	72	1½
143	do	Jan. 1, 1889, to Dec. 31, 1889	201	Drift	.....	7,260	66	1½
144	do	Jan. 1, 1889, to Dec. 31, 1889	232	Slope	.....	1,000	168	None used.
145	do	Jan. 1, 1889, to Dec. 31, 1889	234	Drift	.....	6,600	60	None used.
146	do	Feb. 1, 1889, to Jan. 31, 1890	276	Drift	.....	10,560	60	None used.
147	Dominion of Canada.	Jan. 1, 1889, to Dec. 31, 1889	214	Slope	.....	(a)	(a)	¾
148	do	Jan. 1, 1889, to Dec. 31, 1889	255	Slope	.....	(a)	(a)	¾
149	do	Jan. 1, 1889, to Dec. 31, 1889	260	Slope	.....	(a)	(a)	¾
150	do	Jan. 1, 1889, to Dec. 31, 1889	263	Slope	.....	(a)	(a)	¾
151	do	Jan. 1, 1889, to Dec. 31, 1889	290	Slope	.....	(a)	(a)	¾
152	Continent of Europe.	Jan. 1, 1889, to Dec. 31, 1889	301	Shaft	.....	5,338	30	(e)
153	do	Sept. 22, 1889, to Oct. 19, 1889	24	Shaft	.....	1,112	(a)	(f)
154	do	Sept. 22, 1889, to Oct. 19, 1889	24	Shaft	.....	1,131	(a)	(f)
155	do	Sept. 22, 1889, to Oct. 19, 1889	24	Shaft	.....	1,815	(a)	(f)
156	do	Jan. 16, 1890, to Apr. 15, 1890	75	Shaft	.....	607	2,553	24
157	do	Apr. 1, 1888, to Mar. 31, 1889	299	Shaft	.....	(g)	(h)	(i)
158	do	Apr. 1, 1888, to Mar. 31, 1889	299	Shaft	.....	984	(k)	(l)
159	do	Jan. 1, 1890, to Jan. 31, 1890	26	Shaft	.....	(n)	(a)	(o)
160	do	Oct. 1, 1889, to Dec. 31, 1889	75	Shaft	.....	1,394	3,937	(p)
161	Great Britain.	Sept. 30, 1889, to Dec. 28, 1889	72	Shaft	.....	(g)	5,280	(r)
162	do	Sept. 30, 1889, to Dec. 28, 1889	73	Shaft	.....	588	4,200	(s)
163	do	Sept. 30, 1889, to Dec. 28, 1889	73	Shaft	.....	492	6,600	(t)
164	do	Sept. 30, 1889, to Dec. 28, 1889	73	Shaft	.....	(u)	(v)	(s)
165	do	Jan. 1, 1889, to June 29, 1889	141	Shaft	.....	(w)	(x)	(y)
166	do	Jan. 1, 1889, to Dec. 31, 1889	256	Shaft	.....	(z)	(a)	(aa)
167	do	July 1, 1889, to Dec. 31, 1889	135	Shaft	.....	1,056	5,010	(cc)
ee 168	do	Aug. 1, 1889, to Jan. 31, 1890	139	Shaft	.....	234	9,240	48
ee 169	do	Aug. 1, 1889, to Jan. 31, 1890	146	Shaft	.....	234	9,240	48
ee 170	do	Aug. 1, 1889, to Jan. 31, 1890	149	Shaft	.....	1,260	10,560	72
171	do	Aug. 1, 1889, to Jan. 31, 1890	156	Shaft	.....	1,011	10,560	96
172	do	Mar. 1, 1890, to Mar. 31, 1890	24	Shaft	.....	900	5,940	90
173	do	Jan. 1, 1889, to Dec. 31, 1889	292	Shaft	.....	(ii)	(jj)	(kk)

a Not reported.

b 1½ and ¾ inch.

c From 48 to 60 inches.

d One 407, one 673, one 1,050, and one 1,778 feet.

e 0.47 and 1.77 inch.

f From 20 to 79 inches.

g 623 and 771 feet.

h From 3,404 to 4,052 feet.

i Four veins: 79, 138, 157, and 236 inches, respectively.

j Six sizes: from 0.39 to 3.94 inches.

k 3,445 and 4,265 feet.

l 236 and 315 inches.

m Too varied to enumerate.

n Twelve shafts: from 984 to 1,591 feet.

o From 36 to 95 inches.

p Twenty-five veins: from 28 to 87 inches.

q 450 and 600 feet.

r Four veins: from 36 to 66 inches.

s Three veins: from 33 to 66 inches.

t Three veins: from 24 to 66 inches.

u 174, 246, and 378 feet.

v 3,900, 6,600, and 7,920 feet.

w From 300 to 1,140 feet.

x From 1,300 to 13,200 feet.

y From 36 to 78 inches.

z Four shafts: 435, 510, 735, and 1,263 feet, respectively.

aa From 30 to 84 inches.

bb ½, ¾, and 1½ inch.

cc One 33 and one 45 inches.

dd From ½ to 1 inch.

ee Machines are occasionally used in those mines.

ff ½, ¾, and 1½ inch.

gg ½, ¾, and 1 inch.

hh ½, ¾ inch, and upwards.

ii From 300 to 1,746 feet.

jj From 360 to 3,000 feet.

kk From 30 to 90 inches.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## B.—THE MINER AND THE PRODUCT.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Estab- lish- ment num- ber.	Amount paid by miner per week for—				Bene- fit of miner per week from free fuel.	Actual conditions of mining.				Coal mined (tons of 2,000 pounds).		
	Smith- ing.	Oil.	Gnn- pow- der.	Other pur- poses.		Description of coal.	Tons mined per miner per week.	Size of ton (pounds)	Pay of miner per ton.	Check- weigh- men em- ployed.	Total.	Per miner per week.
1	\$0.125	\$0.360	\$1.650	\$0.330	\$0.000	Run of mine	30.0	2,000	\$0.475	Yes..	133,043	30.0
2	.130	.350	1.750	.....	.....	Run of mine	40.0	2,000	.450	No...	41,297	40.0
3	.....	.375	2.250	.125	.....	Run of mine	26.3	2,000	(a)	Yes..	502,800	26.3
4	.200	.400	.550	.....	.....	Run of mine	18.0	2,000	(b)	Yes..	445,223	18.0
5	(c)	.500	(d)	.....	(e)	Run of mine	25.8	2,000	(f)	Yes..	1,108,300	25.8
6	.125	.200	1.800	.....	.....	Run of mine	15.0	2,000	.700	No...	4,300	15.0
7	.100	.250	.....	.....	(g)	Lump	14.6	2,000	.900	Yes..	110,782	14.6
8	.100	.250	.....	.....	(g)	Lump	13.8	2,000	.900	Yes..	102,774	13.8
9	.120	.250	.....	.....	(g)	Lump	13.2	2,000	.950	Yes..	147,199	13.2
10	(h)	(h)	.....	.....	(i)	Run of mine	(h)	2,000	(h)	No...	219,704	(h)
11	.075	.250	.....	.....	(g)	Lump	.15.0	2,000	.725	Yes..	126,184	15.0
12	(h)	(h)	.....	.....	(g)	Run of mine	(h)	2,000	(h)	No...	60,790	(h)
13	.250	.300	2.200	.....	(g)	Lump	24.0	2,000	.600	Yes..	56,764	24.0
14	.260	.300	1.950	.....	(i)	Lump	26.0	2,000	.500	No...	87,353	26.0
15	.250	.250	2.200	.....	(g)	Lump	24.0	2,000	.625	Yes..	87,608	24.0
16	.300	.250	2.200	.....	(g)	Lump	24.0	2,000	.600	Yes..	51,070	24.0
17	.250	.300	2.200	.....	(j)	Lump	24.0	2,000	.600	Yes..	39,767	24.0
18	.180	.300	.....	.....	(k)	Lump	18.0	2,000	.700	Yes..	39,394	18.0
19	.060	.250	.....	.....	(g)	Lump	13.8	2,000	.875	Yes..	30,372	13.8
20	.080	.250	.....	.....	(l)	Lump	13.3	2,000	.875	Yes..	39,840	13.3
21	.110	.250	.....	.....	(g)	Lump	14.6	2,000	.825	Yes..	10,580	14.6
22	.120	.250	.....	.....	(g)	Lump	13.4	2,000	.875	Yes..	11,675	13.4
23	.100	.250	.....	.....	(g)	Lump	13.9	2,000	.825	Yes..	11,070	13.9
24	.180	.250	.375	.....	m. 125	Lump	16.0	2,000	.725	Yes..	41,286	16.0
25	.180	.300	.600	.....	(i)	Lump	18.0	2,000	.725	Yes..	81,260	18.0
26	(h)	(h)	.....	.....	(i)	Run of mine	(h)	2,000	(h)	No...	37,086	(h)
27	n. 200	n. 300	n. 1.800	.....	(i)	Lump	n. 48.0	2,000	n. 310	Yes..	96,100	n. 48.0
28	o. 250	o. 200	o. 1.050	.....	(p)	Lump	o. 21.0	2,000	o. 675	Yes..	108,451	o. 21.0
29	.250	.200	.800	.....	(p)	Lump	18.0	2,000	.675	Yes..	34,878	18.0
30	o. 280	o. 200	o. 530	.....	(i)	Lump	o. 20.0	2,000	o. 700	Yes..	100,000	o. 20.0
31	n. 200	n. 200	.....	.....	(i)	Lump	n. 60.0	2,000	n. 200	No...	18,560	n. 60.0
32	.180	.300	.580	.....	(g)	Lump	12.0	2,000	.750	Yes..	51,690	12.0
33	.200	.300	2.150	.....	(g)	Lump	20.0	2,000	.750	Yes..	11,068	20.0
34	.250	.200	.800	.....	(p)	Lump	18.0	2,000	.675	Yes..	7,014	18.0
35	.287	.350	.....	.....	(i)	Run of mine	28.7	2,240	q. 500	No...	358,865	32.1
36	.280	.350	.....	.....	(i)	Run of mine	28.0	2,240	q. 500	No...	80,457	31.4
37	.293	.350	.....	.....	(i)	Run of mine	29.3	2,240	q. 500	No...	305,925	32.8
38	.283	.350	.....	.....	(r)	Run of mine	28.3	2,240	q. 500	No...	89,792	31.7
39	.280	.350	.....	.....	(i)	Run of mine	28.0	2,240	q. 500	No...	24,800	31.4
40	.110	.200	.700	.....	.....	Lump	11.0	2,000	.750	Yes..	27,950	11.0
41	.126	.290	1.940	.....	.....	Lump	13.4	2,000	.825	No...	15,355	13.4
42	.060	.150	.500	.....	.....	Lump	16.5	2,000	.650	Yes..	21,092	16.5
43	.150	.350	.750	.....	.....	Lump	23.0	2,000	.650	Yes..	90,521	23.0
44	.250	.200	1.125	.....	.....	Lump	18.5	2,000	.650	No...	21,200	18.5
45	.180	.210	.430	.....	s. 150	Lump	14.5	2,000	.650	No...	33,652	14.5
46	.....	n. 220	n. 650	.....	.....	Lump	n. 38.0	2,000	n. 338	Yes..	120,500	n. 38.0
47	.150	.230	.740	t. 300	.....	Lump	15.0	2,000	.790	Yes..	46,177	15.0
48	.150	.200	.600	t. 120	.....	Lump	14.8	2,000	.800	Yes..	90,791	14.8
49	.180	.090	.650	.....	.....	Lump	18.2	2,000	.650	No...	14,644	18.2
50	.100	.140	.850	.....	s. 400	Lump	12.0	2,000	.650	Yes..	32,000	12.0
51	.140	.200	.870	.....	.....	Lump	20.3	2,000	.650	No...	33,000	20.3

a 47.5 cents in 72-inch seam and 67.5 in 36-inch seam.

b From 45 to 55 cents.

c From 18 to 25 cents.

d From \$1.25 to \$2.

e Miners' families pick up coal for use.

f From 45 to 47.5 cents.

g Pays \$1.50 per ton at dump.

h No hand miners employed.

i Pays \$1.25 per ton at dump.

j Pays \$1.50 per ton delivered at his house.

k Pays \$1.60 per ton at dump.

l Pays \$1.35 per ton at dump.

m One-half ton of slack coal.

n Loaders (machine mine).

o Relates to hand mining only; mostly machine work.

p Pays \$1 per ton at dump.

q When cutting headings miner gets 60 cents per ton.

r Pays \$1.30 per ton at dump.

s One-fourth ton.

t For checkweighman.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## B.—THE MINER AND THE PRODUCT—Continued.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Es- tab- lish- ment num- ber.	Amount paid by miner per week for—				Bene- fit of miner per week from free fuel.	Actual conditions of mining.					Coal mined (tons of 2,000 pounds).	
	Smith- ing.	Oil.	Gun- pow- der.	Other pur- poses.		Description of coal.	Tons mined per miner per week.	Size of ton (pounds)	Pay of miner per ton.	Check weigh- men em- ployed.	Total.	Per miner per week.
52						Lump.....	(a)	2,000	(a)	No...	6,200	(a)
53	\$0.100	\$0.150	\$0.750	\$0.000	b \$0.300	Lump.....	15.3	2,000	\$0.850	Yes..	34,426	15.3
54	.160	.230	1.270			Lump.....	16.7	2,000	.925	Yes..	70,555	16.7
55	.150	.100	.500			Lump.....	21.0	2,000	.650	No...	30,000	21.0
56	.170	.210	(c)	(d)		Lump.....	18.8	2,000	.650	Yes..	34,221	18.8
57	.190	.190	.870	e .110		Lump.....	19.3	2,000	.650	Yes..	65,000	19.3
58	.172	.220	1.120	(d)		Lump.....	17.2	2,000	.800	Yes..	96,500	17.2
59	.150	.450	1.200	e .500		Lump.....	14.5	2,000	.860	Yes..	17,500	14.5
60	.120	.050	1.220			Lump.....	12.0	2,000	.800	Yes..	44,424	12.0
61	.200	.240	.950			Lump.....	18.3	2,000	.630	No...	25,500	18.3
62	.100	.190	.230		f .100	Lump.....	11.0	2,000	.810	No...	14,492	11.0
63	.188	.250	.750			Lump.....	22.0	2,000	.650	No...	47,372	22.0
64	.210	.180	.600			Lump.....	19.0	2,000	.650	Yes..	70,950	19.0
65	.210	.180	.300			Lump.....	14.0	2,000	.650	Yes..	71,190	14.0
66	.150	.150	.980			Lump.....	15.0	2,000	.835	No...	39,046	15.0
67	(a)	(a)	(a)			Lump.....	(a)	2,000	(a)	Yes..	103,659	(a)
68	.125	.150	.500			Lump.....	20.0	2,000	.650	Yes..	37,032	20.0
69	.150	.300	.250		(g)	Lump.....	17.0	2,000	.650	No...	50,020	17.0
70	(c)	.140	.510			Lump.....	12.5	2,000	.650	Yes..	23,246	12.5
71	.250	.200	1.150			Lump.....	16.0	2,000	.650	No...	42,398	16.0
72	.210	.400	.560		h .137	Lump.....	12.0	2,000	.803	No...	21,169	12.0
73	.110	.130	.490			Lump.....	9.0	2,000	.750	No...	9,286	9.0
74	.170	.180	.580			Lump.....	13.7	2,000	.790	No...	25,210	13.7
75	i .190	i .150	i .750			Lump.....	i 23.0	2,000	i .650	Yes..	332,092	i 23.0
76	.180	.200	.500		.500	Run of mine	22.5	2,000	.500	Yes..	36,000	22.5
77	.130	.200	.620			Lump.....	20.1	2,000	.658	Yes..	429,385	20.1
78	(j)	.200	(k)	.100		Lump.....	14.2	2,000	.650	Yes..	21,750	14.2
79	.125	.100	.650		.120	Lump.....	14.7	2,000	.675	No...	26,640	14.7
80	.180	.190	.870	e .190	(m)	Lump.....	19.3	2,000	.650	Yes..	27,283	19.3
81	.150	.150	.350			Lump.....	20.0	2,000	.790	Yes..	58,094	20.0
82	.150	.150	.350			Lump.....	20.0	2,000	.790	Yes..	72,353	20.0
83	.150	.150	.350			Lump.....	21.0	2,000	.790	Yes..	65,123	21.0
84	.210	(j)	.400			Lump.....	19.0	2,000	.790	Yes..	78,462	19.0
85	.210	.150	.400			Lump.....	18.0	2,000	.790	Yes..	98,846	18.0
86	.200	.300	2.000			Run of mine	25.4	2,240	.500	Yes..	275,558	25.5
87	.250	.400	.560		.250	Run of mine	20.0	2,240	.500	Yes..	6,733	22.4
88	.250	.220	.250			Lump.....	16.8	2,000	.790	Yes..	12,232	16.8
89	.380	.350	.400			Lump.....	18.0	2,000	.730	Yes..	18,975	18.0
90	.125	.150	.500		.250	Run of mine	24.0	2,240	.500	Yes..	50,867	26.9
91	.140	.270	.130			Lump.....	14.0	2,000	.733	Yes..	23,574	14.0
92	.150	(c)				Run of mine	20.0	2,000	.600	Yes..	192,294	20.0
93	.180	.250	.100			Lump.....	12.0	2,000	.790	Yes..	43,332	12.0
94	.150	.200	.300			Run of mine	20.0	2,240	.500	Yes..	80,983	22.4
95	.125	.150	(c)			Run of mine	19.0	2,240	(n)	Yes..	68,234	21.3
96	.173	.150	.100			Lump.....	18.0	2,000	(n)	Yes..	69,312	18.0
97	.150	.200	.300			Run of mine	22.0	2,000	.450	No...	169,232	22.0
98	.125	.150	(c)			Run of mine	17.0	2,240	.500	Yes..	89,327	19.0
99	.125	(c)	(c)			Run of mine	18.0	2,240	.500	Yes..	53,984	20.2
100	.125	.300	2.000		(p)	Run of mine	24.0	2,000	.450	Yes..	39,720	24.0

a No hand miners employed.

b One-fourth ton.

c Not reported.

d Pays checkweighman; amount not reported.

e For checkweighman.

f One-fourth ton nut coal.

g Allowed a discount of 20 cents per ton from sale prices.

h 216 pounds nut coal to each family.

i Relates to hand mining only; mostly machine work.

j One cent per ton, amounting in one mine to 13, in one to 14, and in one to 18 cents.

k Four cents per ton, amounting in one mine to 52, in one to 56, and in one to 72 cents.

l One mine 13.4, one 14, and one 18 tons.

m Coal furnished at cost price.

n Miners' rates vary.

o Allowed all the coal he needs free.



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## B.—THE MINER AND THE PRODUCT—Continued.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Es- tab- lish- ment num- ber.	Amount paid by miner per week for—				Benefit of miner per week from free fuel.	Actual conditions of mining.					Coal mined (tons of 2,000 pounds).	
	Smith- ing.	Oil.	Gun- pow- der.	Other pur- poses.		Description of coal.	Tons mined per miner per week.	Size of ton (pounds)	Pay of miner per ton.	Check weigh- men em- ployed.	Total.	Per miner per week.
101	\$0.150	\$0.310	\$0.100	\$0.000	a\$0.030	Lump .....	12.0	2,000	\$0.735	Yes..	75,000	12.0
102	.140	.250	.100	.....	.....	Lump .....	15.0	2,000	.730	Yes..	66,909	15.0
103	.250	.400	.500	.....	.250	Run of mine.	23.0	2,240	.500	No...	61,014	25.8
104	.100	.150	.500	.....	.111	Run of mine.	20.0	2,240	.500	Yes..	58,340	22.4
105	.125	.180	.530	.....	.333	Run of mine.	30.9	2,000	.446	Yes..	316,437	30.9
106	.125	.180	.530	.....	.333	Run of mine.	23.8	2,000	.450	Yes..	229,510	23.8
107	.185	.350	.200	.....	.....	Lump .....	14.6	2,000	(b)	Yes..	43,500	14.6
108	.125	.150	(c)	.....	.....	Run of mine.	22.2	2,240	.500	Yes..	185,743	25.6
109	.125	.150	(c)	.....	.....	Run of mine.	20.0	2,000	.428	Yes..	253,173	20.0
110	.125	.150	(c)	.....	.333	Run of mine.	19.0	2,240	.483	Yes..	193,869	21.3
111	.125	.300	2.000	.....	(d)	Run of mine.	24.0	2,000	.450	Yes..	60,280	24.0
112	.170	.100	.250	.....	.....	Run of mine.	23.0	2,240	.500	Yes..	102,767	25.8
113	.150	.200	.300	.....	.250	Run of mine.	16.0	2,240	.504	Yes..	37,601	17.9
114	.200	.300	.500	.....	.250	Run of mine.	28.0	2,240	.500	Yes..	31,029	29.1
115	.150	.150	.220	.....	.....	Run of mine.	24.0	2,240	.500	Yes..	38,152	26.9
116	.180	(c)	(c)	.....	.....	Lump .....	19.0	2,000	.790	Yes..	28,657	19.0
117	.180	.170	.250	.....	.....	Lump .....	11.9	2,000	.790	Yes..	40,513	11.9
118	.160	.350	.500	.....	.....	Lump .....	18.0	2,000	.790	No...	31,056	18.0
119	.190	.180	.100	.....	.....	Lump .....	15.0	2,000	.730	Yes..	40,823	15.0
120	(c)	(c)	(c)	.....	.....	Lump .....	13.0	2,000	.730	Yes..	28,047	13.0
121	.253	.250	.150	.....	.....	Lump .....	16.0	2,000	.730	Yes..	34,708	16.0
122	.100	.220	.200	.....	.....	Lump .....	12.0	2,000	.790	Yes..	44,854	12.0
123	.170	.200	(c)	.....	.....	Lump .....	13.2	2,000	.730	Yes..	14,231	13.2
124	.150	.250	.200	.....	.....	Lump .....	18.0	2,000	.530	Yes..	33,338	18.0
125	.175	.350	.....	.....	.....	Lump .....	15.0	2,000	.730	Yes..	117,245	15.0
126	.200	.130	.250	e.050	.....	Run of mine.	21.0	2,240	.450	Yes..	9,968	25.2
127	.240	(f)	.250	g.240	.....	Lump .....	16.0	2,000	.730	Yes..	57,100	16.0
128	.110	(c)	.200	.....	.....	Lump .....	14.0	2,000	.790	Yes..	128,990	14.0
129	.250	.250	.150	.....	.....	Lump .....	16.0	2,000	.730	Yes..	24,827	16.0
130	.100	.300	.....	.....	.....	Lump .....	11.2	2,000	.730	Yes..	25,671	11.2
131	.250	.300	.....	.....	.....	Lump .....	(h)	2,000	.700	Yes..	62,450	(h)
132	.180	.250	.150	.....	.....	Lump .....	11.8	2,000	.730	Yes..	59,020	11.8
133	.150	.400	(c)	e.050	.....	Run of mine.	24.0	2,000	.450	Yes..	59,592	24.0
134	.100	.300	.200	.....	.250	Lump .....	(c)	2,000	t.740	Yes..	98,280	(c)
135	.200	.200	.220	.....	(d)	Lump .....	12.7	2,000	.730	Yes..	15,810	12.7
136	.....	.150	.500	.....	.....	Lump .....	30.0	2,000	.530	No...	5,535	30.0
137	.125	.150	.500	.....	.....	Run of mine.	24.0	2,240	.500	Yes..	26,288	26.9
138	.200	.250	.250	.....	.....	Lump .....	11.3	2,000	.730	Yes..	8,143	11.3
139	.150	.300	.150	.....	.250	Lump .....	15.0	2,000	(b)	Yes..	72,370	15.0
140	.250	.250	.....	.....	.....	Run of mine.	18.0	2,000	.700	No...	64,454	18.0
141	.250	.125	(c)	.050	.250	Run of mine.	36.0	2,240	.375	No...	783,028	40.3
142	.200	.140	.720	.....	.....	Run of mine.	24.0	2,000	.500	Yes..	35,500	24.0
143	(j)	.300	.400	.....	.....	Run of mine.	26.7	2,000	.500	No...	5,355	26.7
144	.300	.350	.....	(k)	.....	Run of mine.	30.0	2,240	.500	No...	393,781	33.8
145	(j)	.210	.850	.....	.....	Run of mine.	21.3	2,000	.500	No...	30,720	21.3
146	(j)	.150	.250	.....	.....	Run of mine.	18.0	2,000	.500	No...	14,338	18.0
147	.....	.....	.910	(l)	.....	Run of mine.	21.9	2,240	.533	No...	(c)	24.5
148	.....	.....	.....	(l)	.....	Run of mine.	29.0	2,240	.450	No...	(c)	32.5
149	.....	.575	.225	.310	(m)	Run of mine.	27.4	2,240	.523	No...	(c)	30.7
150	.....	.....	.....	(n)	.....	Run of mine.	25.0	2,240	.465	No...	(c)	28.0
151	.....	.180	1.020	.070	.....	Run of mine.	20.0	2,240	.666	Yes..	(c)	22.4
152	(j)	.....	(o)	.....	p.077	Run of mine.	30.1	2,205	.164	Yes..	240,039	33.2

a Allowed a discount of 20 cents per ton from sale prices.

b Miners' rates vary.

c Not reported.

d Allowed all the coal he needs free.

e Cotton squibs.

f From 30 to 35 cents.

g For checkweighman.

h From 20 to 25 tons.

i Relates to hand mining only; mostly machine work.

j Miners do their own smithing.

k Pays \$1.25 per ton at dump.

l Allowed coal at half price, or \$1.60 per ton.

m Allowed coal at \$1.18 per ton.

n Allowed coal at half price, or \$1.20 per ton.

o From 9.6 to 38.6 cents.

p Also house rent reduced about 33 cents per week.



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## B.—THE MINER AND THE PRODUCT—Concluded.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Establishment number.	Amount paid by miner per week for—				Benefit of miner per week from free fuel.	Actual conditions of mining.					Coal mined (tons of 2,000 pounds).	
	Smithing.	Oil.	Gunpowder.	Other purposes.		Description of coal.	Tons mined per miner per week.	Size of ton (pounds)	Pay of miner per ton.	Check weighmen employed.	Total.	Per miner per week.
153					(a)	Run of mine.	32.0	2,205	(b)	No...	6,698	35.3
154					(a)	Run of mine.	21.0	2,205	(b)	No...	4,663	23.1
155					(a)	Run of mine.	41.5	2,205	(b)	No...	16,832	45.7
156	(c)		(d)		\$0.100	Run of mine.	17.9	2,205	\$0.347	No...	17,692	19.7
157	\$0.162	\$0.728	\$0.165		.059	Run of mine.	36.4	2,205	.133	No...	683,046	40.1
158	.162	.728	.165		.054	Run of mine.	39.6	2,205	.144	No...	420,741	43.6
159	.107	.286			(e)	Run of mine.	15.0	2,205	.424	No...	244,877	16.5
160		.214			(f)	Run of mine.	16.2	2,205	.774	No...	98,086	17.9
161						Run of mine.	18.0	2,240	(g)	Yes..	43,727	20.2
162						Run of mine.	18.0	2,240	(h)	Yes..	71,875	20.2
163						Run of mine.	18.0	2,240	(i)	Yes..	30,769	20.2
164						Run of mine.	18.0	2,240	(j)	Yes..	60,903	20.2
165			(k)			Run of mine.	17.5	2,240	(l)	Yes..	456,124	19.6
166			.426		.527	Run of mine.	14.8	2,240	.543	Yes..	837,850	16.5
167					.243	Run of mine.	12.9	2,240	(m)	Yes..	148,878	14.4
168			.487		.527	Run of mine.	15.0	2,240	.584	Yes..	49,427	16.8
169			.487		.243	Run of mine.	21.0	2,240	(n)	Yes..	78,984	23.5
170			.527		.527	Run of mine.	(o)	2,240	.517	Yes..	149,806	(p)
171		.122			.514	Run of mine.	39.0	2,240	(q)	Yes..	168,299	43.7
172					.518	Run of mine.	15.0	2,240	.465	Yes..	37,587	16.8
173	\$0.061	.122	(r)	s. 061		Run of mine.	11.5	2,240	(t)	Yes..	1,108,495	12.9

a 50 per cent. reduction from market price.

b Paid by the square metre of surface mined.

c Miners do their own smithing.

d From 10 to 40 cents.

e Allowed coal at cost price.

f Allowed coal at \$1.43 per ton.

g From 36.8 to 41.6 cents.

h From 33.4 to 48.8 cents.

i From 30.6 to 44.1 cents.

j From 36.7 to 48.6 cents.

k From 24.3 to 48.6 cents.

l From 32.4 to 38.5 cents.

m 38.1 and 49.1 cents.

n 45.2 and 49.1 cents.

o From 18 to 25 tons.

p From 20.1 to 28 tons.

q 12.2, 16.4, and 36.2 cents, according to quality of coal.

r Not reported.

s Accident relief society.

t From 45.6 to 61.8 cents for large coal, and from 39.5 to 55.8 cents for small coal.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## C.—CHEMICAL ANALYSIS OF COAL (PER CENT.)

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Establishment number.	Water.	Volatile combustible matter.	Fixed carbon.	Sulphur.	Ash.
1	1.508	30.480	61.600	.470	5.942
2	(a)	(a)	(a)	(a)	(a)
3	2.240	34.120	60.750	.480	2.410
4	.990	30.750	58.050	(b)	10.210
5	1.020	31.850	63.820	Trace.	3.310
6	(a)	(a)	(a)	(a)	(a)
7	(a)	(a)	(a)	(a)	(a)
8	(a)	(a)	(a)	(a)	(a)
9	8.280	36.280	49.060	1.840	4.540
10	5.100	32.290	53.870	(c)	8.740
11	(a)	(a)	(a)	(a)	(a)
12	(a)	(a)	(a)	(a)	(a)
13	(a)	(a)	(a)	(a)	(a)
14	(a)	(a)	(a)	(a)	(a)
15	(a)	(a)	(a)	(a)	(a)
16	5.000	41.420	37.880	-----	15.700
17	(a)	(a)	(a)	(a)	(a)
18	(a)	(a)	(a)	(a)	(a)
19	9.320	30.810	50.490	3.220	6.160
20	8.280	36.280	49.060	1.840	4.540
21	(a)	(a)	(a)	(a)	(a)
22	(a)	(a)	(a)	(a)	(a)
23	(a)	(a)	(a)	(a)	(a)
24	7.180	40.680	46.860	1.280	4.000
25	.400	24.800	70.500	1.800	2.500
26	.400	24.800	70.500	1.800	2.500
27	(a)	(a)	(a)	(a)	(a)
28	(a)	(a)	(a)	(a)	(a)
29	(a)	(a)	(a)	(a)	(a)
30	(a)	(a)	(a)	(a)	(a)
31	(a)	(a)	(a)	(a)	(a)
32	(a)	(a)	(a)	(a)	(a)
33	(a)	(a)	(a)	(a)	(a)
34	(a)	(a)	(a)	(a)	(a)
35	-----	d 20.750	79.250	-----	-----
36	-----	15.760	81.600	-----	2.610
37	(a)	(a)	(a)	(a)	(a)
38	(a)	(a)	(a)	(a)	(a)
39	.480	17.980	72.610	.800	8.130
40	-----	42.130	56.290	(e)	1.580
41	(a)	(a)	(a)	(a)	(a)
42	4.200	39.320	52.580	(f)	f 3.900
43	(a)	(a)	(a)	(a)	(a)
44	(a)	(a)	(a)	(a)	(a)
45	(a)	(a)	(a)	(a)	(a)
46	(a)	(a)	(a)	(a)	(a)
47	3.970	33.990	56.320	.790	4.930
48	(a)	(a)	(a)	(a)	(a)
49	(a)	(a)	(a)	(a)	(a)
50	(a)	(a)	(a)	(a)	(a)
51	6.450	32.740	58.560	(g)	2.250
52	6.780	31.540	59.320	(h)	2.360
53	(a)	(a)	(a)	(a)	(a)
54	(i)	37.380	59.460	(i)	3.160
55	(a)	(a)	(a)	(a)	(a)
56	(a)	(a)	(a)	(a)	(a)
57	(a)	(a)	(a)	(a)	(a)
58	2.700	36.300	59.200	Trace.	1.800
59	(a)	(a)	(a)	(a)	(a)
60	5.820	39.130	49.470	.654	4.926
61	3.970	34.780	56.320	(j)	4.930
62	-----	38.960	59.020	(k)	2.020
63	3.850	34.650	58.600	(l)	2.900
64	6.610	36.410	54.170	-----	2.810
65	(a)	(a)	(a)	(a)	(a)
66	5.380	36.530	49.770	1.690	6.630

a Not reported.

b Sulphur, by separate determination, 2.230.

c Sulphur, by separate determination, 2.310.

d Bitumen.

e Sulphur, by separate determination, 0.875.

f Ash and sulphur combined.

g Sulphur by separate determination, 1.190.

h Sulphur, by separate determination, 0.750.

i Water, by separate determination, 3.220, and

sulphur, by separate determination, 0.850.

j Sulphur, by separate determination, 0.790.

k Sulphur, by separate determination, 0.250.

l Sulphur, by separate determination, 2.660.

TABLE VIII.—COST OF PRODUCTION OF **BITUMINOUS COAL** AT VARIOUS MINES IN VARIOUS STATES—Continued.**C.—CHEMICAL ANALYSIS OF COAL (PER CENT.)—Continued.**

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Establishment number.	Water.	Volatile combustible matter.	Fixed carbon.	Sulphur.	Ash.
67	(a)	(a)	(a)	(a)	(a)
68	4.070	41.130	49.500	(b)	b 5.300
69	(a)	(a)	(a)	(a)	(a)
70	4.200	37.010	51.640	(c)	7.150
71	4.650	42.450	47.950	(d)	4.950
72	(a)	(a)	(a)	(a)	(a)
73	4.820	40.680	49.780	(e)	4.720
74	(a)	(a)	(a)	(a)	(a)
75	5.980	36.480	52.410	(f)	5.130
76	(a)	(a)	(a)	(a)	(a)
77	5.600	29.130	62.450	.790	2.030
78	(a)	(a)	(a)	(a)	(a)
79	(a)	(a)	(a)	(a)	(a)
80	6.950	39.800	52.000	(g)	1.250
81	.410	29.160	67.060	.970	2.400
82	.410	29.160	67.060	.970	2.400
83	(a)	(a)	(a)	(a)	(a)
84	(a)	(a)	(a)	(a)	(a)
85	(a)	(a)	(a)	(a)	(a)
86	.740	23.900	69.087	1.373	4.900
87	(a)	(a)	(a)	(a)	(a)
88	(a)	(a)	(a)	(a)	(a)
89	(a)	(a)	(a)	(a)	(a)
90	.800	23.260	72.350	.590	3.000
91	(a)	(a)	(a)	(a)	(a)
92	(a)	(a)	(a)	(a)	(a)
93	(a)	(a)	(a)	(a)	(a)
94	(a)	(a)	(a)	(a)	(a)
95	.780	20.640	74.823	.507	3.250
96	1.000	28.000	66.000	1.000	4.000
97	(a)	(a)	(a)	(a)	(a)
98	.836	21.537	74.042	.635	2.950
99	.550	18.540	77.190	(h)	3.720
100		18.300	78.600	.400	2.700
101	(a)	(a)	(a)	(a)	(a)
102	(a)	(a)	(a)	(a)	(a)
103	(a)	(a)	(a)	(a)	(a)
104	.855	21.944	73.365	(i)	3.836
105	.610	30.827	63.226	.580	4.757
106	.754	30.821	63.090	.785	4.550
107	(a)	(a)	(a)	(a)	(a)
108	.825	21.235	74.182	.618	3.140
109	(a)	(a)	(a)	(a)	(a)
110	(a)	(a)	(a)	(a)	(a)
111		18.300	78.600	.400	2.700
112	(a)	(a)	(a)	(a)	(a)
113	(a)	(a)	(a)	(a)	(a)
114	(a)	(a)	(a)	(a)	(a)
115	(a)	(a)	(a)	(a)	(a)
116	(a)	(a)	(a)	(a)	(a)
117	(a)	(a)	(a)	(a)	(a)
118	(a)	(a)	(a)	(a)	(a)
119	(a)	(a)	(a)	(a)	(a)
120	(a)	(a)	(a)	(a)	(a)
121	(a)	(a)	(a)	(a)	(a)
122	.620	33.640	58.470	1.020	6.250
123	(a)	(a)	(a)	(a)	(a)
124	.720	j 34.070	61.340	k .720	3.150
125		21.595	73.046	1.144	3.815
126	(a)	(a)	(a)	(a)	(a)
127	(a)	(a)	(a)	(a)	(a)
128	.620	33.640	58.470	1.020	6.250
129	(a)	(a)	(a)	(a)	(a)
130	(a)	(a)	(a)	(a)	(a)
131	.860	35.180	58.830	.980	4.150
132		27.745	63.391	1.639	7.225

a Not reported.

b Ash and sulphur combined.

c Sulphur, by separate determination, 3.090.

d Sulphur, by separate determination, 3.890.

e Sulphur, by separate determination, 2.040.

f Sulphur, by separate determination, 1.090.

g Sulphur, by separate determination, 1.290.

h Sulphur, by separate determination, 0.601.

i Sulphur, by separate determination, 0.594.

j Bitumen.

k Sulphur and phosphorus.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## C.—CHEMICAL ANALYSIS OF COAL (PER CENT.)—Concluded.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Establishment number.	Water.	Volatile combustible matter	Fixed carbon.	Sulphur.	Ash.
133	1.033	21.600	71.752	(a)	5.615
134	(b)	(b)	(b)	(b)	(b)
135	(b)	(b)	(b)	(b)	(b)
136	.510	36.320	53.990	.630	8.550
137	20.000	20.000	75.160	.480	4.360
138	(b)	(b)	(b)	(b)	(b)
139	(b)	(b)	(b)	(b)	(b)
140	1.300	21.100	74.200	.700	2.700
141	.655	20.340	74.765	.735	3.505
142	1.010	45.170	44.300	1.230	8.290
143	(b)	(b)	(b)	(b)	(b)
144	.760	19.390	72.990	(e)	6.860
145	1.200	43.290	46.300	(d)	9.210
146	(b)	(b)	(b)	(b)	(b)
147	(b)	(b)	(b)	(b)	(b)
148	(b)	(b)	(b)	(b)	(b)
149	(b)	(b)	(b)	(b)	(b)
150	(b)	(b)	(a)	(b)	(b)
151	1.200	23.050	69.060	.290	6.400
152	1.115	32.582	60.013	(c)	6.290
153		15.450	70.950	Trace.	13.600
154		19.000	62.250	1.250	17.500
155		19.000	62.250	1.250	17.500
156		19.000	62.250	1.250	17.500
157		13.920	75.430	Trace.	10.650
158	(b)	(b)	(b)	(b)	(b)
159	(b)	(b)	(b)	(b)	(b)
160	(b)	(b)	(b)	(b)	(b)
161	7.000	(b)	(b)	.500	6.500
162		7.700	89.780	1.020	1.500
163		7.700	89.780	1.020	1.500
164		7.700	89.780	1.020	1.500
165		7.700	89.780	1.020	1.500
166		15.300	62.760	.940	21.000
167	4.030	15.880	75.650	1.940	2.500
168	.950	36.280	58.870	(f)	3.900
169	(b)	(b)	(b)	(b)	(b)
170	(b)	(b)	(b)	(b)	(b)
171		38.600	58.400	-----	3.000
172		13.110	84.420	.620	1.850
173	(b)	(b)	(b)	(b)	(b)

a Sulphur, by separate determination, 0.815.

b Not reported.

c Sulphur, by separate determination, 0.880.

d Sulphur, by separate determination, 3.480.

e Sulphur, by separate determination, 1.250.

f Sulphur, by separate determination, 0.940.



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## D.—GENERAL STATEMENT OF COST FOR THE PERIOD.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to the owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Es- tab- lish- ment num- ber.	Labor.	Officials and clerks.	Supplies and repairs.		Taxes.	Gross total.	Value of screenings.	Net total.
			Timber.	Other.				
1	\$127,046	\$4,337	\$320	\$12,193	\$250	\$144,146	-----	\$144,146
2	24,000	900	191	3,200	780	29,071	-----	29,071
3	414,690	27,961	30,781	42,526	1,364	517,322	-----	517,322
4	350,786	9,437	3,100	13,106	530	376,959	-----	376,959
5	874,640	12,000	7,000	73,800	3,500	970,940	-----	970,940
6	4,275	-----	100	100	-----	4,475	-----	4,475
7	133,489	4,500	4,875	8,723	2,220	158,807	\$18,000	140,807
8	128,960	5,564	4,078	7,450	3,234	149,286	17,000	132,286
9	164,598	5,324	5,888	7,242	800	183,852	19,600	164,252
10	112,552	2,400	4,860	5,493	2,200	127,505	-----	127,505
11	126,352	4,800	3,000	3,650	500	138,302	22,050	116,252
12	33,019	1,500	1,367	2,253	1,250	39,389	-----	39,389
13	47,376	3,600	1,082	1,895	287	54,240	7,560	46,680
14	68,886	2,542	875	2,184	388	74,875	13,960	60,915
15	73,953	2,700	2,409	3,773	550	83,385	12,000	71,385
16	41,151	3,480	1,022	1,788	283	47,724	6,800	40,924
17	33,065	1,350	600	937	250	36,202	5,280	30,922
18	39,324	2,360	985	2,360	187	45,216	6,550	38,666
19	34,937	348	1,822	1,974	250	39,331	4,000	35,331
20	42,923	240	2,672	2,429	234	48,498	5,280	43,218
21	11,711	406	410	701	185	13,413	1,750	11,663
22	13,018	444	467	724	67	14,720	1,400	13,320
23	12,113	489	582	589	270	14,043	1,800	12,243
24	43,531	548	1,690	2,410	234	48,413	6,850	41,563
25	76,132	2,080	1,706	2,600	150	82,668	12,960	69,708
26	21,882	3,000	668	1,298	250	27,098	-----	27,098
27	64,319	3,600	1,705	3,793	1,761	75,178	9,625	65,553
28	89,127	3,260	3,339	7,569	2,000	105,295	17,320	87,975
29	32,710	2,340	1,171	1,128	350	37,699	4,800	32,899
30	84,999	3,000	2,000	3,500	500	93,999	16,000	77,999
31	14,780	1,140	360	1,009	95	17,384	1,750	15,634
32	48,139	3,500	1,034	2,584	201	55,458	8,240	47,218
33	10,346	500	222	225	60	11,353	1,760	9,593
34	6,942	780	334	119	35	8,210	840	7,370
35	193,789	3,200	7,564	7,276	0,926	218,755	-----	218,755
36	48,241	4,610	3,180	2,654	735	59,420	-----	59,420
37	160,624	3,200	6,500	8,610	3,763	182,697	-----	182,697
38	50,077	1,212	1,411	4,558	1,667	58,925	-----	58,925
39	13,121	483	443	844	213	15,104	-----	15,104
40	33,760	3,324	1,152	4,606	34	42,876	5,924	36,952
41	16,321	2,400	411	1,071	65	20,268	5,288	14,980
42	16,198	833	800	8,085	48	25,964	6,706	19,258
43	68,269	900	1,000	1,877	136	72,182	4,955	67,227
44	16,536	2,100	204	737	-----	19,577	2,478	17,099
45	50,061	1,240	707	1,405	252	53,665	10,800	42,865
46	95,316	4,950	1,083	9,038	129	110,516	15,665	94,851
47	41,119	2,160	1,600	1,575	367	46,821	4,909	41,912
48	105,682	6,000	6,358	8,883	76	126,999	13,128	113,871
49	15,015	900	255	575	110	16,855	3,477	13,378
50	34,585	200	298	2,105	25	37,213	4,068	32,245
51	28,087	735	336	2,065	34	31,257	2,200	29,057
52	5,798	550	580	1,330	31	8,289	420	7,869
53	39,798	2,900	1,729	1,324	29	45,780	8,000	37,780
54	88,851	5,096	3,528	7,056	70	104,601	13,520	91,081
55	24,087	2,500	300	500	-----	27,387	3,373	24,014
56	30,020	1,500	961	1,692	65	34,238	4,000	30,238
57	55,970	4,500	645	1,698	27	62,840	10,000	52,840
58	106,165	6,620	2,111	1,734	108	116,738	8,890	107,848
59	18,550	2,625	525	875	38	22,613	4,650	17,963
60	48,461	2,958	1,304	6,216	-----	57,939	9,307	48,632
61	19,160	1,865	921	3,052	321	25,319	5,565	19,754
62	19,119	2,640	502	1,716	145	24,122	5,100	19,022
63	46,827	1,200	722	3,907	178	52,834	7,286	45,548
64	54,238	5,400	1,140	4,345	430	65,553	10,125	55,428
65	69,154	3,000	1,199	2,347	75	75,775	18,548	57,227
66	40,677	1,500	1,364	1,832	31	45,404	8,253	37,151
67	72,835	2,000	1,175	2,240	99	78,349	11,000	67,349
68	40,307	900	1,915	7,559	74	50,755	11,727	39,028
69	48,470	1,800	1,199	3,498	61	55,028	12,000	43,028
70	20,295	800	343	1,193	99	22,730	9,650	13,080

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## D.—GENERAL STATEMENT OF COST FOR THE PERIOD—Continued.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to the owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.		Taxes.	Gross total.	Value of screenings.	Net total.
			Timber.	Other.				
71	\$38,830	\$3,850	\$1,034	\$624	\$552	\$44,890	\$15,811	\$29,079
72	27,422	3,300	751	3,259	41	34,773	3,920	30,853
73	14,126	400	797	760	345	16,428	4,890	11,538
74	24,187	450	475	1,005	33	26,150	2,640	23,510
75	230,000	3,500	4,646	10,000	350	268,496	22,750	245,746
76	25,560	1,700	600	2,900	46	30,806	.....	30,806
77	362,700	21,220	9,111	18,033	7,570	418,634	48,677	369,957
78	23,838	1,500	1,739	2,085	82	29,244	4,191	25,053
79	23,644	800	450	1,181	645	26,720	3,276	23,444
80	23,240	600	452	682	20	24,994	1,800	23,194
81	63,415	600	4,433	5,678	903	75,029	6,255	68,774
82	78,103	600	4,433	5,678	1,255	90,069	7,970	82,099
83	63,475	600	1,349	5,756	434	71,614	7,157	64,457
84	83,961	2,500	325	5,300	350	92,436	6,787	85,649
85	103,040	2,000	3,100	2,475	425	111,040	8,605	102,435
86	175,255	7,698	2,500	2,200	5,579	193,232	.....	193,232
87	3,518	180	240	541	15	4,494	.....	4,494
88	12,661	800	175	365	75	14,076	1,060	13,016
89	18,627	1,700	400	184	65	20,976	1,645	19,331
90	29,332	1,500	1,000	2,250	400	34,482	.....	34,482
91	21,861	1,500	557	1,396	100	25,414	2,800	22,614
92	151,245	2,043	7,790	8,785	542	170,405	.....	170,405
93	38,265	2,690	1,343	2,486	319	45,103	5,200	39,903
94	48,800	1,800	(a)	a 4,424	554	55,578	.....	55,578
95	45,598	835	1,622	861	426	49,342	.....	49,342
96	68,455	5,596	2,514	3,284	2,001	81,850	6,007	75,843
97	105,588	2,100	(a)	a 8,108	1,288	117,084	.....	117,084
98	57,337	450	1,356	4,369	558	64,070	.....	64,070
99	32,700	2,400	500	784	44	36,428	.....	36,428
100	25,818	2,000	1,200	2,200	263	31,481	.....	31,481
101	67,731	3,000	1,450	4,891	333	77,405	13,000	64,405
102	59,637	1,173	2,320	1,160	600	64,890	5,235	59,655
103	38,043	150	250	500	.....	38,943	.....	38,943
104	35,944	696	800	1,600	300	39,340	.....	39,340
105	108,116	3,090	(a)	a 9,629	1,978	182,813	.....	182,813
106	162,616	2,750	(a)	a 8,287	1,434	175,087	.....	175,087
107	40,333	900	1,379	3,486	150	46,248	5,548	40,700
108	97,760	780	3,336	5,046	1,161	108,683	.....	108,683
109	131,498	1,820	4,319	6,324	1,709	145,670	.....	145,670
110	119,710	761	2,041	8,047	221	130,780	.....	130,780
111	40,990	2,800	1,800	3,318	480	49,388	.....	49,388
112	59,408	500	212	826	.....	60,946	.....	60,946
113	23,020	150	225	302	.....	23,697	.....	23,697
114	16,653	140	220	249	.....	17,262	.....	17,262
115	24,520	500	75	307	.....	25,402	.....	25,402
116	25,985	2,600	782	865	210	30,442	2,388	28,054
117	38,789	1,100	1,283	877	286	42,335	2,511	39,824
118	30,450	1,000	606	431	352	32,839	2,588	30,251
119	36,741	3,200	400	856	200	41,397	5,100	36,297
120	25,340	1,500	1,200	650	115	28,805	2,804	26,001
121	33,277	1,200	200	725	125	35,527	3,120	32,407
122	44,939	1,000	750	480	433	47,602	3,880	43,722
123	14,399	600	350	625	150	16,124	1,608	14,516
124	25,850	800	161	1,170	91	28,072	3,430	24,642
125	100,958	4,820	4,800	2,285	852	113,715	6,153	107,562
126	5,500	480	600	1,000	(b)	c 7,580	.....	c 7,580
127	49,200	2,000	1,800	1,090	250	54,340	6,099	48,241
128	119,816	1,079	1,365	3,204	433	125,987	10,748	115,239
129	21,762	1,009	175	640	50	23,627	2,317	21,310
130	25,605	3,000	350	570	76	29,601	2,225	27,376
131	57,197	2,400	1,460	1,654	741	63,452	5,412	58,040
132	51,978	2,300	1,823	2,898	309	59,308	6,628	52,680
133	34,080	3,400	(a)	a 2,980	650	41,110	.....	41,110

a The expenditures for timber are inseparably combined with those for other supplies and repairs.

b Not reported.

c Not including taxes.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## D.—GENERAL STATEMENT OF COST FOR THE PERIOD—Concluded.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to the owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Es- tab- lish- ment num- ber.	Labor.	Officials and clerks.	Supplies and repairs.		Taxes.	Gross total.	Value of screenings.	Net total.
			Timber.	Other.				
134	\$77,046	\$4,275	\$2,951	\$7,969	\$481	\$92,722	\$12,852	\$79,870
135	15,106	2,240	150	355	100	17,951	1,318	16,633
136	4,475	167	300	831	-----	5,773	1,187	4,586
137	16,126	380	320	140	-----	16,966	-----	16,966
138	7,430	705	150	245	48	8,578	708	7,870
139	59,122	1,500	1,500	2,550	75	64,747	7,237	57,510
140	87,023	2,400	2,833	2,784	225	95,265	-----	95,265
141	367,900	4,750	(a)	a 29,499	(a)	402,149	-----	402,149
142	22,440	1,474	728	1,605	71	26,318	-----	26,318
143	3,727	500	54	285	-----	4,566	-----	4,566
144	209,085	3,700	4,216	9,090	2,235	228,326	-----	228,326
145	22,682	700	878	1,585	312	26,157	-----	26,157
146	9,719	500	898	1,200	39	12,356	-----	12,356
147	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
148	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
149	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
150	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
151	(b)	(b)	(b)	(b)	(b)	(b)	(b)	(b)
152	149,318	6,178	35,877	18,887	c 4,325	c 214,585	-----	c 214,585
153	5,852	527	1,204	749	c 93	c 8,425	-----	c 8,425
154	4,877	388	1,158	583	c 82	c 7,088	-----	c 7,088
155	15,361	861	2,644	2,464	c 295	c 21,625	-----	c 21,625
156	17,352	446	2,606	1,590	c 263	c 22,257	-----	c 22,257
157	192,970	9,165	59,288	36,649	c 23,262	c 321,334	-----	c 321,334
158	133,242	7,102	16,414	22,159	c 12,316	c 191,233	-----	c 191,233
159	193,253	2,121	19,031	43,010	c 14,407	c 271,822	-----	c 271,822
160	77,712	1,166	12,138	8,421	c 5,684	c 105,121	-----	c 105,121
161	40,714	2,008	5,427	6,135	1,146	55,430	-----	55,430
162	68,664	3,300	9,263	9,212	1,883	92,322	-----	92,322
163	33,233	1,413	5,022	6,012	806	46,486	-----	46,486
164	53,123	2,797	8,487	7,878	1,596	73,881	-----	73,881
165	317,651	7,573	36,705	65,823	9,957	437,709	-----	437,709
166	568,118	21,900	33,721	90,217	27,496	741,452	-----	741,452
167	104,815	5,736	6,365	20,809	3,299	141,024	-----	141,024
168	43,543	2,085	3,732	3,669	1,136	54,165	-----	54,165
169	55,841	3,360	3,103	5,391	1,845	69,540	-----	69,540
170	112,149	5,479	6,536	9,303	2,983	136,450	-----	136,450
171	139,702	d 1,164	9,983	10,481	(b)	e 161,330	-----	e 161,330
172	31,058	1,341	1,701	3,575	(b)	e 37,675	-----	e 37,675
173	962,565	35,594	70,535	114,772	24,814	1,208,280	-----	1,208,280

a The expenditures for timber and taxes are inseparably combined with those for other supplies and repairs.  
 b Not reported.

c Including royalty to the state.  
 d Clerks' salaries only.  
 e Not including taxes.



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## E.—ELEMENTS OF COST IN ONE TON OF 2,000 POUNDS.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to the owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Establishment number.	Labor.			Officials and clerks.	Supplies and repairs.		Taxes.	Gross total.	Value of screenings.	Net total.
	Miners.	Other.	Total.		Timber.	Other.				
1	\$0.475	\$0.480	\$0.955	\$0.032	\$0.002	\$0.092	\$0.002	\$1.083	.....	\$1.083
2	.450	.131	.581	.022	.005	.077	.019	.704	.....	.704
3	(a)	(b)	.825	.056	.061	.084	.003	1.029	.....	1.029
4	(a)	(b)	.788	.021	.007	.030	.001	.847	.....	.847
5	(a)	(b)	.789	.011	.006	.067	.003	.876	.....	.876
6	.700	.294	.994	.....	.023	.023	.....	1.040	.....	1.040
7	.900	.350	1.250	.041	.044	.079	.020	1.434	\$0.163	1.271
8	.900	.355	1.255	.054	.040	.073	.031	1.453	.166	1.287
9	.950	.168	1.118	.036	.040	.049	.006	1.249	.133	1.116
10	(c)	(b)	.512	.011	.022	.025	.010	.580	.....	.580
11	.725	.276	1.001	.038	.024	.029	.004	1.096	.175	.921
12	(c)	(b)	.543	.025	.022	.037	.021	.648	.....	.648
13	.600	.235	.835	.063	.019	.033	.005	.955	.133	.822
14	.500	.289	.789	.029	.010	.025	.004	.857	.160	.697
15	.625	.219	.844	.031	.028	.043	.006	.952	.137	.815
16	.600	.206	.806	.068	.020	.035	.005	.934	.133	.801
17	.600	.231	.831	.034	.015	.024	.006	.910	.133	.777
18	.700	.298	.998	.060	.025	.060	.005	1.148	.166	.982
19	.875	.275	1.150	.012	.060	.065	.008	1.295	.132	1.163
20	.875	.202	1.077	.008	.067	.061	.006	1.217	.132	1.085
21	.825	.282	1.107	.038	.039	.066	.018	1.268	.166	1.102
22	.875	.240	1.115	.038	.040	.062	.006	1.261	.120	1.141
23	.825	.269	1.094	.044	.053	.053	.024	1.268	.162	1.106
24	.725	.330	1.055	.013	.041	.058	.006	1.173	.166	1.007
25	.725	.212	.937	.025	.021	.032	.002	1.017	.159	.858
26	(c)	(b)	.590	.081	.018	.035	.007	.731	.....	.731
27	d. 310	.359	.669	.037	.018	.040	.018	.782	.100	.682
28	(e)	(b)	.822	.030	.031	.070	.018	.971	.160	.811
29	.675	.263	.938	.067	.034	.032	.010	1.081	.138	.943
30	(f)	(b)	.850	.030	.020	.035	.005	.940	.160	.780
31	d. 200	.596	.796	.062	.019	.054	.005	.936	.094	.842
32	.750	.181	.931	.068	.020	.050	.004	1.073	.159	.914
33	.750	.185	.935	.045	.020	.020	.006	1.026	.159	.867
34	f. 675	.315	.990	.111	.048	.017	.005	1.171	.120	1.051
35	.448	.092	.540	.009	.021	.020	.020	.610	.....	.610
36	.450	.150	.600	.057	.040	.033	.009	.739	.....	.739
37	.448	.077	.525	.011	.021	.028	.012	.597	.....	.597
38	.467	.091	.558	.013	.016	.051	.018	.656	.....	.656
39	.446	.083	.529	.019	.018	.034	.009	.609	.....	.609
40	.750	.453	1.208	.119	.041	.165	.001	1.534	.212	1.322
41	.825	.238	1.063	.156	.027	.070	.004	1.320	.344	.976
42	.650	.118	.768	.040	.038	.383	.002	1.231	.318	.913
43	.650	.104	.754	.010	.011	.021	.002	.798	.055	.743
44	.650	.130	.780	.099	.009	.035	.....	.923	.117	.806
45	.650	.838	1.488	.037	.021	.042	.007	1.595	.321	1.274
46	d. 333	.453	.791	.041	.009	.075	.001	.917	.130	.787
47	.790	.100	.890	.047	.035	.034	.008	1.014	.106	.908
48	.800	.364	1.164	.066	.070	.098	.001	1.399	.145	1.254
49	.650	.376	1.026	.061	.017	.039	.008	1.151	.237	.914
50	.650	.431	1.081	.006	.009	.066	.001	1.163	.155	1.008
51	.650	.201	.851	.022	.010	.063	.001	.947	.067	.880
52	(c)	(b)	.935	.089	.094	.214	.005	1.337	.068	1.269
53	.850	.306	1.156	.084	.050	.039	.001	1.330	.232	1.098
54	.925	.334	1.259	.072	.050	.100	.001	1.482	.191	1.291
55	.650	.153	.803	.083	.010	.017	.....	.913	.112	.801
56	.650	.227	.877	.044	.028	.050	.002	1.001	.117	.884
57	.650	.211	.861	.069	.010	.026	.001	.967	.154	.813
58	.800	.300	1.100	.069	.022	.018	.001	1.210	.092	1.118
59	.860	.200	1.060	.150	.030	.050	.002	1.292	.266	1.026
60	.800	.291	1.091	.067	.029	.117	.....	1.304	.210	1.094

a Miners' rates vary.

b Not reported.

c No hand miners employed.

d Loaders in machine mine.

e Only a few hand miners employed; mostly machine work; hand miners paid 67.5 cents per ton.

f Only a few hand miners employed; mostly machine work; hand miners paid 70 cents per ton.



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## E.—ELEMENTS OF COST IN ONE TON OF 2,000 POUNDS—Continued.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to the owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Estab- lish- ment num- ber.	Labor.			Officials and clerks.	Supplies and repairs.		Taxes.	Gross total.	Value of screen- ings.	Net total.
	Miners.	Other.	Total.		Timber.	Other.				
61	\$0.630	\$0.121	\$0.751	\$0.073	\$0.036	\$0.120	\$0.013	\$0.993	\$0.218	\$0.775
62	.810	.509	1.319	.182	.035	.118	.010	1.664	.352	1.312
63	.650	.339	.989	.025	.015	.082	.004	1.115	.154	.961
64	.650	.115	.765	.076	.016	.061	.006	.924	.143	.781
65	.650	.321	.971	.042	.017	.033	.001	1.064	.260	.804
66	.835	.207	1.042	.038	.035	.047	.001	1.163	.211	.952
67	(a)	(b)	.703	.019	.011	.022	.001	.756	.106	.650
68	.650	.439	1.089	.024	.052	.204	.002	1.371	.317	1.054
69	.650	.319	.969	.036	.024	.070	.001	1.100	.240	.860
70	.650	.223	.873	.035	.015	.051	.004	.978	.415	.563
71	.650	.266	.916	.091	.024	.015	.013	1.059	.373	.686
72	.803	.492	1.295	.156	.036	.154	.002	1.643	.185	1.458
73	.750	.771	1.521	.043	.086	.082	.037	1.769	.527	1.242
74	.790	.169	.959	.018	.019	.040	.001	1.037	.105	.932
75	(c)	(b)	.753	.011	.014	.030	.001	.809	.069	.740
76	.500	.210	.710	.047	.017	.081	.001	.856	.....	.856
77	.658	.187	.845	.049	.021	.042	.018	.975	.113	.862
78	.650	.446	1.096	.069	.080	.096	.004	1.345	.193	1.152
79	.675	.213	.888	.030	.017	.044	.024	1.003	.123	.880
80	.650	.202	.852	.022	.016	.025	.001	.916	.068	.850
81	.790	.302	1.092	.010	.076	.098	.016	1.292	.108	1.184
82	.790	.290	1.080	.008	.061	.079	.017	1.245	.110	1.135
83	.790	.185	.975	.009	.021	.088	.007	1.100	.110	.990
84	.790	.280	1.070	.032	.004	.068	.004	1.178	.087	1.091
85	.790	.253	1.043	.020	.031	.025	.004	1.123	.087	1.036
86	.446	.190	.636	.028	.009	.008	.020	.701	.....	.701
87	.446	.077	.523	.027	.035	.080	.002	.667	.....	.667
88	.790	.245	1.035	.066	.014	.030	.006	1.151	.087	1.064
89	.730	.251	.981	.090	.022	.009	.003	1.105	.087	1.018
90	.446	.131	.577	.029	.020	.044	.008	.678	.....	.678
91	.733	.194	.927	.064	.024	.059	.004	1.078	.119	.959
92	.600	.186	.786	.011	.040	.046	.003	.896	.....	.886
93	.790	.093	.883	.062	.031	.058	.007	1.041	.120	.921
94	.446	.156	.602	.022	(d)	d. .055	.007	.688	.....	.686
95	(e)	(b)	.668	.012	.024	.013	.006	.723	.....	.723
96	(e)	(b)	.988	.081	.036	.047	.029	1.181	.087	1.094
97	.450	.174	.624	.012	(d)	d. .048	.008	.692	.....	.692
98	.446	.196	.642	.005	.015	.049	.006	.717	.....	.717
99	.446	.160	.606	.044	.009	.015	.001	.675	.....	.675
100	.450	.200	.650	.050	.030	.055	.007	.792	.....	.792
101	.735	.168	.903	.040	.019	.065	.005	1.032	.173	.859
102	.730	.161	.891	.018	.035	.017	.009	.970	.078	.892
103	.446	.178	.624	.002	.004	.008	.....	.638	.....	.638
104	.446	.170	.616	.012	.014	.027	.005	.674	.....	.674
105	.416	.085	.531	.010	(d)	d. .031	.006	.578	.....	.578
106	.450	.259	.709	.012	(d)	d. .036	.006	.763	.....	.763
107	(e)	(b)	.927	.021	.032	.080	.003	1.063	.128	.935
108	.446	.080	.526	.004	.018	.031	.006	.585	.....	.585
109	.428	.091	.519	.007	.017	.025	.007	.575	.....	.575
110	.431	.186	.617	.004	.011	.042	.001	.675	.....	.675
111	.450	.230	.680	.046	.030	.055	.008	.819	.....	.819
112	.446	.132	.578	.005	.002	.008	.....	.593	.....	.593
113	.450	.162	.612	.004	.006	.008	.....	.630	.....	.630
114	.446	.091	.537	.004	.007	.008	.....	.556	.....	.556
115	.446	.197	.643	.013	.002	.008	.....	.666	.....	.666
116	.790	.117	.907	.091	.027	.030	.007	1.062	.083	.979
117	.790	.167	.957	.027	.032	.022	.007	1.045	.062	.983
118	.790	.190	.980	.032	.020	.014	.011	1.057	.083	.974
119	.730	.170	.900	.078	.010	.021	.005	1.014	.125	.889
120	.730	.174	.904	.053	.043	.023	.004	1.027	.100	.927

a No hand miners employed.

b Not reported.

c Only a few hand miners employed; mostly machine work; hand miners paid 65 cents per ton.

d The expenditures for timber are inseparably combined with those for other supplies and repairs.

e Miners' rates vary.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## E.—ELEMENTS OF COST IN ONE TON OF 2,000 POUNDS—Concluded.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to the owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Es- tab- lish- ment num- ber.	Labor.			Officials and clerks.	Supplies and repairs.		Taxes.	Gross total.	Value of screen- ings.	Net total.
	Miners.	Other.	Total.		Timber.	Other.				
121	\$0.730	\$0.229	\$0.959	\$0.034	\$0.006	\$0.021	\$0.004	\$1.024	\$0.090	\$0.934
122	.790	.212	1.002	.022	.017	.011	.009	1.061	.087	.974
123	.730	.282	1.012	.042	.025	.044	.010	1.133	.113	1.020
124	.530	.245	.775	.024	.005	.035	.003	.842	.103	.739
125	.730	.131	.861	.041	.041	.020	.007	.970	.052	.918
126	.402	.150	.552	.048	.060	.100	(a)	b .760	.....	b .760
127	.730	.132	.862	.035	.032	.019	.004	.952	.107	.845
128	.790	.139	.929	.008	.011	.026	.003	.977	.083	.894
129	.730	.147	.877	.040	.007	.026	.002	.952	.093	.859
130	.730	.267	.997	.117	.014	.022	.003	1.153	.086	1.067
131	.700	.216	.916	.038	.023	.027	.012	1.016	.087	.929
132	.730	.151	.881	.039	.031	.049	.005	1.005	.112	.893
133	.450	.122	.572	.057	(c)	c .050	.011	.690	.....	.690
134	(d)	(a)	.784	.043	.030	.081	.005	.943	.131	.812
135	.730	.225	.955	.142	.010	.022	.006	1.135	.083	1.052
136	.530	.279	.809	.030	.054	.150	.....	1.043	.214	.829
137	.446	.167	.613	.015	.012	.005	.....	.645	.....	.645
138	.730	.182	.912	.087	.018	.030	.006	1.053	.087	.966
139	(e)	(a)	.817	.021	.021	.035	.001	.895	.100	.795
140	.700	.650	1.350	.037	.044	.043	.004	1.478	.....	1.478
141	.335	.147	.482	.006	(f)	f .039	(f)	.527	.....	.527
142	.500	.132	.632	.042	.020	.045	.002	.741	.....	.741
143	.500	.196	.696	.094	.010	.053	.....	.853	.....	.853
144	.448	.083	.531	.009	.011	.023	.006	.580	.....	.580
145	.500	.238	.738	.023	.029	.051	.010	.851	.....	.851
146	.500	.178	.678	.035	.062	.084	.003	.862	.....	.862
147	.424	.569	.993	.037	.062	.145	g .072	g 1.309	.....	g 1.309
148	.322	.459	.781	.031	.026	.050	g .062	g .950	.....	g .950
149	.374	.403	.777	.011	.022	.083	g .058	g .951	.....	g .951
150	.372	.511	.883	.047	.015	.106	g .068	g 1.119	.....	g 1.119
151	.505	.574	1.169	.057	.042	.064	g .061	g 1.393	.....	g 1.393
152	(h)	(a)	.622	.026	.149	.079	g .018	g .894	.....	g .894
153	(h)	(a)	.874	.078	.180	.112	g .014	g 1.258	.....	g 1.258
154	(h)	(a)	1.046	.083	.248	.125	g .018	g 1.520	.....	g 1.520
155	(h)	(a)	.913	.051	.157	.146	g .018	g 1.285	.....	g 1.285
156	.315	.666	.981	.025	.147	.090	g .015	g 1.258	.....	g 1.258
157	.121	.161	.282	.013	.087	.054	g .034	g .470	.....	g .470
158	.131	.186	.317	.017	.039	.052	g .029	g .454	.....	g .454
159	.384	.405	.789	.009	.078	.175	g .059	g 1.110	.....	g 1.110
160	.702	.090	.792	.012	.124	.086	g .058	g 1.072	.....	g 1.072
161	(e)	(a)	.931	.046	.124	.141	.026	1.268	.....	1.268
162	(c)	(a)	.955	.046	.129	.128	.026	1.284	.....	1.284
163	(e)	(a)	1.080	.046	.163	.196	.026	1.511	.....	1.511
164	(e)	(a)	.872	.046	.140	.129	.026	1.213	.....	1.213
165	(e)	(a)	.696	.017	.081	.144	.022	.960	.....	.960
166	.484	.194	.678	.026	.040	.108	.033	.885	.....	.885
167	(e)	(a)	.704	.038	.043	.140	.022	.947	.....	.947
168	.521	.360	.881	.042	.076	.074	.023	1.096	.....	1.096
169	(e)	(a)	.707	.043	.039	.068	.023	.880	.....	.880
170	.462	.287	.749	.036	.044	.062	.020	.911	.....	.911
171	(e)	(a)	.830	i .007	.060	.062	(a)	b .959	.....	b .959
172	.415	.411	.826	.036	.045	.095	(a)	b 1.002	.....	b 1.002
173	(e)	(a)	.868	.032	.064	.104	.022	1.090	.....	1.090

a Not reported.

b Not including taxes.

c The expenditures for timber are inseparably combined with those for other supplies and repairs.

d Only a few hand miners employed; mostly machine work; hand miners paid 74 cents per ton.

e Miners' rates vary.

f The expenditures for timber and taxes are inseparably combined with those for other supplies and repairs.

g Including royalty to the state.

h Miners not paid by the ton.

i Clerks' salaries only.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,000 POUNDS.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. This table is based on the preceding one, neglecting the last two columns; to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish. The reason for neglecting the column of deductions for value of screenings in a table of percentages is obvious.]

Es- tab- lish- ment num- ber.	Labor.			Officials and clerks.	Supplies and repairs.		Taxes.	Total.
	Miners.	Other.	Total.		Timber.	Other.		
1	43.86	44.32	83.18	2.95	.19	8.49	.19	100
2	63.92	18.61	82.53	3.12	.71	10.94	2.70	100
3	-----	-----	80.18	5.44	5.93	8.16	.29	100
4	-----	-----	92.03	2.48	.83	3.54	.12	100
5	-----	-----	90.07	1.26	.68	7.65	.34	100
6	67.31	28.27	95.58	-----	2.21	2.21	-----	100
7	62.76	24.41	87.17	2.86	3.07	5.51	1.39	100
8	61.94	24.43	86.37	3.72	2.75	5.03	2.13	100
9	76.06	13.45	89.51	2.88	3.20	3.93	.48	100
10	-----	-----	88.28	1.90	3.79	4.31	1.72	100
11	66.15	25.18	91.33	3.47	2.19	2.65	.36	100
12	-----	-----	83.80	3.86	3.39	5.71	3.24	100
13	62.82	24.61	87.43	6.60	1.99	3.46	.52	100
14	58.34	33.72	92.06	3.38	1.17	2.92	.47	100
15	65.65	23.00	88.65	3.26	2.94	4.52	.63	100
16	64.24	22.06	86.30	7.28	2.14	3.75	.53	100
17	65.93	25.39	91.32	3.73	1.65	2.64	.66	100
18	60.97	25.06	86.03	5.23	2.18	5.23	.43	100
19	67.57	21.23	88.80	.93	4.63	5.02	.62	100
20	71.90	16.60	88.50	.49	5.51	5.01	.49	100
21	65.06	22.24	87.30	3.00	3.08	5.20	1.42	100
22	69.39	19.03	88.42	3.01	3.17	4.92	.43	100
23	65.06	21.22	86.28	3.47	4.18	4.18	1.89	100
24	61.81	23.13	89.94	1.11	3.50	4.94	.51	100
25	71.29	20.84	92.13	2.46	2.06	3.15	.20	100
26	-----	-----	80.71	11.08	2.46	4.79	.96	100
27	39.64	45.91	85.55	4.73	2.30	5.12	2.30	100
28	-----	-----	84.66	3.09	3.19	7.21	1.85	100
29	62.44	24.33	86.77	6.20	3.15	2.96	.92	100
30	-----	-----	90.43	3.19	2.13	3.72	.53	100
31	21.37	63.67	85.04	6.62	2.03	5.77	.54	100
32	69.90	16.87	86.77	6.34	1.86	4.66	.37	100
33	73.10	18.03	91.13	4.99	1.95	1.95	.58	100
34	57.64	26.50	84.54	9.48	4.10	1.45	.43	100
35	73.44	15.08	88.52	1.48	3.44	3.28	3.28	100
36	60.89	20.30	81.19	7.71	5.41	4.47	1.22	100
37	75.04	12.90	87.94	1.84	3.52	4.69	2.01	100
38	71.19	13.87	85.06	1.98	2.44	7.78	2.74	100
39	73.23	13.63	86.86	3.12	2.96	5.58	1.48	100
40	48.89	29.86	78.75	7.76	2.67	10.76	.06	100
41	62.50	18.03	80.53	11.82	2.05	5.30	.30	100
42	52.80	9.59	62.39	3.25	3.09	31.11	.16	100
43	81.46	13.03	94.49	1.25	1.38	2.63	.25	100
44	70.42	14.08	84.50	10.73	.98	3.79	-----	100
45	40.75	52.54	93.29	2.32	1.32	2.63	.44	100
46	-----	-----	86.26	4.47	.98	8.18	.11	100
47	77.91	9.86	87.77	4.64	3.45	3.35	.79	100
48	57.18	26.02	83.20	4.72	5.00	7.01	.07	100
49	56.47	32.67	89.14	5.30	1.48	3.39	.69	100
50	55.89	37.06	92.95	.52	.77	5.67	.09	100
51	68.64	21.22	89.86	2.32	1.06	6.65	.11	100
52	-----	-----	69.93	6.68	7.03	18.01	.37	100
53	63.91	23.01	86.92	6.32	3.76	2.93	.07	100
54	62.41	22.54	84.95	4.86	3.37	6.75	.07	100
55	71.19	16.76	87.95	9.09	1.10	1.86	-----	100
56	64.93	22.68	87.61	4.40	2.80	4.99	.20	100
57	67.22	21.82	89.04	7.14	1.03	2.69	.10	100
58	66.12	24.79	90.91	5.70	1.82	1.49	.08	100
59	66.56	15.48	82.04	11.61	2.32	3.87	.16	100
60	61.35	22.32	83.67	5.14	2.22	8.97	-----	100
61	63.44	12.19	75.63	7.35	3.63	12.08	1.31	100
62	48.68	30.59	79.27	10.94	2.10	7.09	.60	100
63	58.30	30.40	88.70	2.24	1.35	7.35	.36	100
64	70.35	12.44	82.79	8.23	1.73	6.60	.65	100
65	61.09	30.17	91.26	3.95	1.60	3.10	.09	100



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,000 POUNDS.—Continued.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. This table is based on the preceding one, neglecting the last two columns; to avoid duplicating the notes, which would be the same in substance, they are here omitted and the reader is referred to that table for such information as they furnish. The reason for neglecting the column of deductions for value of screenings in a table of percentages is obvious.]

Establishment number.	Labor.			Officials and clerks.	Supplies and repairs.		Taxes.	Total.
	Miners.	Other.	Total.		Timber.	Other.		
66	71.80	17.80	89.60	3.27	3.01	4.04	.08	100
67			92.99	2.51	1.46	2.91	.13	100
68	47.41	32.02	79.43	1.75	3.79	14.88	.15	100
69	59.09	29.00	88.09	3.27	2.18	6.37	.09	100
70	66.46	22.80	89.26	3.58	1.53	5.22	.41	100
71	61.38	25.12	86.50	8.59	2.26	1.42	1.23	100
72	48.87	29.95	78.82	9.50	2.19	9.37	.12	100
73	42.40	43.58	85.98	2.43	4.86	4.64	2.09	100
74	76.18	16.30	92.48	1.73	1.83	3.86	.10	100
75			93.08	1.36	1.73	3.71	.12	100
76	58.41	24.53	82.94	5.49	1.99	9.46	.12	100
77	67.49	19.18	86.67	5.02	2.15	4.31	1.85	100
78	48.32	33.16	81.48	5.13	5.95	7.14	.30	100
79	67.30	21.23	88.53	2.99	1.70	4.39	2.39	100
80	70.96	22.05	93.01	2.40	1.75	2.73	.11	100
81	61.15	23.37	84.52	.77	5.88	7.59	1.24	100
82	63.45	23.29	86.74	.64	4.90	6.35	1.37	100
83	71.82	16.82	88.64	.82	1.91	8.00	.63	100
84	67.06	23.77	90.83	2.72	.34	5.77	.34	100
85	70.35	22.53	92.88	1.78	2.76	2.22	.36	100
86	63.62	27.11	90.73	4.00	1.28	1.14	2.85	100
87	66.87	11.54	78.41	4.05	5.25	11.99	.30	100
88	68.64	21.28	89.92	5.73	1.22	2.61	.52	100
89	66.06	22.72	88.78	8.15	1.99	.81	.27	100
90	65.78	19.32	85.10	4.28	2.95	6.49	1.18	100
91	68.00	18.00	86.00	5.94	2.22	5.47	.37	100
92	67.72	20.99	88.71	1.24	4.52	5.19	.34	100
93	75.89	8.93	84.82	5.96	2.98	5.57	.67	100
94	65.01	22.74	87.75	3.21		8.02	1.02	100
95			92.39	1.66	3.32	1.80	.83	100
96			83.66	6.86	3.05	3.98	2.45	100
97	65.03	25.14	90.17	1.73		6.94	1.16	100
98	62.20	27.34	89.54	.70	2.09	6.83	.84	100
99	60.08	23.70	83.78	6.52	1.33	2.22	.15	100
100	56.82	25.25	82.07	6.31	3.79	6.95	.88	100
101	71.22	16.28	87.50	2.88	1.04	6.30	.48	100
102	75.26	16.60	91.86	1.85	3.61	1.75	.93	100
103	69.91	27.90	97.81	.31	.63	1.25		100
104	66.17	25.22	91.39	1.78	2.8	4.01	.74	100
105	77.16	14.71	91.87	1.73		5.36	1.04	100
106	58.98	33.94	92.92	1.57		4.72	.79	100
107			87.21	1.97	3.01	7.53	.28	100
108	76.24	13.67	89.91	.68	3.08	5.30	1.03	100
109	74.43	15.83	90.26	1.22	2.95	4.35	1.22	100
110	63.85	27.56	91.41	.59	1.63	6.22	.15	100
111	54.95	28.08	83.03	5.62	3.66	6.71	.98	100
112	75.21	22.26	97.47	.84	.34	1.35		100
113	71.43	25.71	97.14	.64	.95	1.27		100
114	80.21	16.37	96.58	.72	1.26	1.44		100
115	66.97	29.58	96.55	1.95	.30	1.20		100
116	74.39	11.02	85.41	8.57	2.54	2.82	.66	100
117	75.60	15.98	91.58	2.58	3.06	2.11	.67	100
118	74.74	17.98	92.72	3.03	1.89	1.32	1.04	100
119	71.99	16.77	88.76	7.69	.99	2.07	.49	100
120	71.08	16.94	88.02	5.16	4.19	2.24	.39	100
121	71.29	22.36	93.65	3.32	.59	2.05	.39	100
122	74.46	19.98	94.44	2.07	1.60	1.04	.85	100
123	64.43	24.89	89.32	3.71	2.21	3.88	.88	100
124	62.94	29.10	92.04	2.85	.59	4.16	.36	100
125	75.26	13.50	88.76	4.23	4.23	2.06	.72	100
126	52.89	19.74	72.63	6.32	7.89	13.16		100
127	76.68	13.87	90.55	3.68	3.36	1.99	.42	100
128	80.86	14.23	95.09	.82	1.12	2.66	.31	100
129	76.68	15.44	92.12	4.20	.74	2.73	.21	100
130	63.31	23.16	86.47	10.15	1.21	1.91	.26	100
131	68.90	21.26	90.16	3.74	2.26	2.66	1.18	100



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## F.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,000 POUNDS—Concluded.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain. This table is based on the preceding one, neglecting the last two columns; to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish. The reason for neglecting the column of deductions for value of screenings in a table of percentages is obvious.

Establishment number.	Labor.			Officials and clerks.	Supplies and repairs.		Taxes.	Total.
	Miners.	Other.	Total.		Timber.	Other.		
132	72.64	15.02	87.66	3.88	3.08	4.88	.50	100
133	65.22	17.63	82.90	8.26	-----	7.25	1.59	100
134	-----	-----	83.14	4.56	3.18	8.59	.53	100
135	64.32	19.82	84.14	12.51	.88	1.94	.53	100
136	50.81	26.75	77.56	2.83	5.13	14.38	-----	100
137	69.15	25.89	95.04	2.33	1.86	.77	-----	100
138	69.33	17.23	86.61	8.26	1.71	2.85	.57	100
139	-----	-----	91.28	2.35	2.35	3.91	.11	100
140	47.36	43.98	91.34	2.50	2.98	2.91	.27	100
141	63.57	27.89	91.46	1.14	-----	7.40	-----	100
142	67.48	17.81	85.29	5.67	2.70	6.07	.27	100
143	58.62	22.98	81.60	11.02	1.17	6.21	-----	100
144	77.24	14.31	91.55	1.55	1.90	3.97	1.03	100
145	58.75	27.97	86.72	2.70	3.41	5.99	1.18	100
146	58.00	20.65	78.65	4.06	7.19	9.75	.35	100
147	32.40	43.46	75.86	2.83	4.73	11.08	5.50	100
148	33.89	48.32	82.21	3.26	2.74	5.26	6.53	100
149	39.33	42.37	81.70	1.16	2.31	8.73	6.10	100
150	33.24	45.67	78.91	4.20	1.34	9.47	6.08	100
151	42.71	41.21	83.92	4.09	3.02	4.59	4.38	100
152	-----	-----	69.57	2.91	16.67	8.84	2.01	100
153	-----	-----	69.47	6.20	14.31	8.91	1.11	100
154	-----	-----	68.82	5.46	16.32	8.22	1.18	100
155	-----	-----	71.05	3.97	12.22	11.36	1.40	100
156	25.04	52.94	77.98	1.99	11.69	7.15	1.19	100
157	25.74	34.26	60.00	2.77	18.51	11.49	7.23	100
158	28.85	40.97	69.82	3.75	8.59	11.45	6.39	100
159	34.50	36.49	71.08	.81	7.03	15.77	5.31	100
160	65.48	8.40	73.88	1.12	11.57	8.02	5.41	100
161	-----	-----	73.42	3.63	9.78	11.12	2.05	100
162	-----	-----	74.38	3.58	10.05	9.97	2.02	100
163	-----	-----	71.48	3.04	10.79	12.97	1.72	100
164	-----	-----	71.89	3.79	11.54	10.64	2.14	100
165	-----	-----	72.50	1.77	8.44	15.00	2.29	100
166	54.69	21.92	76.61	2.94	4.52	12.20	3.73	100
167	-----	-----	74.34	4.01	4.54	14.79	2.32	100
168	47.53	32.85	80.38	3.83	6.94	6.75	2.10	100
169	-----	-----	80.34	4.80	4.43	7.73	2.61	100
170	50.71	31.50	82.21	3.95	4.83	6.81	2.20	100
171	-----	-----	86.55	.73	6.26	6.46	-----	100
172	41.42	41.02	82.44	3.59	4.49	9.48	-----	100
173	-----	-----	79.63	2.94	5.87	9.54	2.02	100

TABLE VIII.—COST OF PRODUCTION OF **BITUMINOUS COAL** AT VARIOUS MINES IN VARIOUS STATES—Continued.**G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.**

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Establishment number.	Additional cost.				
	Insurance.	Interest.	Depreciation of value of plant.	Royalty to owners of soil.	Total.
1	(a)				(a)
2	(a)				(a)
3	(a)	\$58, 162	\$2, 065	\$1, 841	b \$3, 906
4	\$290				b 58, 162
5	(a)	2, 500	15, 120		15, 410
6	(a)				b 2, 500
7	(a)				(a)
8	(a)				(a)
9	(a)				(a)
10	(a)				(a)
11	(a)				(a)
12	(a)			5, 000	b 5, 000
13	(a)				(a)
14	(a)				(a)
15	(a)				(a)
16	(a)			765	b 765
17	(a)			3, 192	b 3, 192
18	(a)				(a)
19	(a)			1, 379	b 1, 379
20	(a)				(a)
21	(a)				(a)
22	(a)	219			b 219
23	(a)				(a)
24	(a)	287			b 287
25	(a)				(a)
26	(a)			6, 095	b 6, 095
27	(a)			1, 483	b 1, 483
28	(a)				(a)
29	(a)				(a)
30	(a)				(a)
31	(a)				(a)
32	(a)				(a)
33	(a)				(a)
34	(a)				(a)
35	(a)			351	b 351
36	(a)				(a)
37	(a)				(a)
38	(a)				(a)
39	(a)				(a)
40	(a)				(a)
41	(a)			5, 786	b 5, 786
42	(a)			4, 615	b 4, 615
43	(a)		2, 865	1, 185	b 4, 050
44	(a)	152	500	9, 141	b 9, 793
45	(a)			636	b 636
46	(a)			664	b 664
47	(a)	3, 599		7, 590	b 11, 189
48	(a)		2, 369	6, 927	b 9, 236
49	(a)		3, 632	13, 619	b 17, 251
50	(a)			244	b 244
51	(a)	700		2, 880	b 3, 580
52	(a)				(a)
53	(a)			935	b 935
54	(a)				(a)
55	(a)			11, 289	b 11, 289
56	(a)				(a)
57	(a)			3, 422	b 3, 422
58	(a)			4, 225	b 4, 225
59	(a)	156	8, 685	16, 300	b 25, 141
60	(a)			3, 500	b 3, 500
61	(a)			5, 331	b 5, 331
62	(a)	527		1, 275	b 1, 802
63	(a)	3, 000	3, 000	1, 699	b 7, 699
64	(a)			195	b 195
65	(a)	850	3, 093	5, 097	b 9, 040
66	(a)			5, 695	b 5, 695
67	(a)			5, 857	b 5, 857
				10, 366	b 10, 366

a Not reported.

b Not including insurance.

TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS—Continued.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Establishment number.	Additional cost.				
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	Total.
68	(a)		\$2, 089	\$3, 333	b \$5, 422
69	(a)	\$168	5, 000	3, 600	b 8, 768
70	(a)	605		2, 325	b 2, 930
71	(a)	2, 716			b 2, 716
72	(a)			2, 198	b 2, 198
73	\$120	597		589	1, 306
74	(a)			2, 017	b 2, 017
75	(a)		1, 000	24, 907	b 25, 907
76	(a)	40	1, 000	2, 160	b 3, 200
77	(a)	17, 441		10, 217	b 27, 658
78	(a)		870	3, 263	b 4, 133
79	(a)				(a)
80	(a)				(a)
81	(a)				(a)
82	(a)				(a)
83	(a)				(a)
84	(a)				(a)
85	(a)				(a)
86	(a)				(a)
87	(a)			625	b 625
88	(a)				(a)
89	(a)			1, 898	b 1, 898
90	(a)				(a)
91	(a)			1, 400	b 1, 400
92	(a)				(a)
93	(a)		1, 286	646	b 1, 932
94	(a)			8, 158	b 8, 158
95	(a)		792	9, 138	b 9, 930
96	(a)	8, 563	815	9, 013	b 18, 391
97	(a)	(a)		15, 110	c 15, 110
98	(a)		1, 037	11, 964	b 13, 001
99	(a)	900	800	2, 410	b 4, 110
100	(a)	1, 192		3, 972	b 5, 164
101	(a)		7, 500	5, 250	b 12, 750
102	(a)				(a)
103	(a)	1, 000		5, 473	b 6, 473
104	(a)		3, 000	5, 209	b 8, 209
105	(a)		7, 063	33, 904	b 40, 967
106	(a)		5, 083	24, 590	b 29, 673
107	(a)	264	1, 088	3, 379	b 4, 731
108	(a)		2, 156		b 2, 156
109	(a)		3, 171	27, 126	b 30, 297
110	(a)		2, 250	20, 772	b 23, 022
111	(a)	1, 808		6, 028	b 7, 836
112	(a)	1, 500		13, 830	b 15, 330
113	(a)	800		4, 197	b 4, 997
114	(a)	600		3, 584	b 4, 184
115	(a)	750		3, 066	b 3, 816
116	(a)				(a)
117	(a)				(a)
118	(a)				(a)
119	(a)			4, 287	b 4, 287
120	(a)				(a)
121	(a)			3, 471	b 3, 471
122	(a)				(a)
123	(a)				(a)
124	(a)				(a)
125	(a)	1, 789			b 1, 789
126	(a)	(a)	(a)	712	d 712
127	(a)				(a)
128	(a)				(a)
129	(a)			2, 483	b 2, 483
130	(a)				(a)
131	(a)				(a)
132	(a)	1, 215			b 1, 215
133	(a)	1, 800	2, 500	5, 321	b 9, 621

a Not reported.

b Not including insurance.

c Not including insurance and interest.

d Not including insurance, interest, and depreciation of value of plant.

TABLE VIII.—COST OF PRODUCTION OF **BITUMINOUS COAL** AT VARIOUS MINES IN VARIOUS STATES—Continued.**G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS—Concluded.**

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe; and numbers 161 to 173 are in Great Britain.]

Establishment number.	Additional cost.				
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	Total.
134	(a)				b \$9,507
135	(a)	\$864	\$4,914	\$3,729	(a)
136	(a)			461	b 461
137	(a)	240		1,664	b 1,904
138	(a)				(a)
139	(a)	250	1,809	6,715	b 8,774
140	(a)				(a)
141	(a)	(a)	(a)	54,254	c 54,254
142	(a)		710	1,775	b 2,485
143	(a)			669	b 669
144	(a)				(a)
145	(a)				(a)
146	(a)				(a)
147	(a)	(a)	(a)	(a)	(a)
148	(a)	(a)	(a)	(a)	(a)
149	(a)	(a)	(a)	(a)	(a)
150	(a)	(a)	(a)	(a)	(a)
151	(a)	(a)	(a)	(a)	(a)
152	(a)	(a)	(a)	(a)	(a)
153	(a)	13,785	12,608		b 26,393
154	(a)				(a)
155	(a)				(a)
156	(a)				(a)
157	(a)	945	1,239		b 2,184
158	(a)		13,705		b 13,705
159	(a)		32,654	2,837	b 35,491
160	(a)				(a)
161	(a)	3,499	3,332		b 6,831
162	(a)			5,542	b 5,542
163	(a)			9,109	b 9,109
164	(a)			3,899	b 3,899
165	(a)			7,718	b 7,718
166	(a)			63,586	b 63,586
167	(a)		54,758	94,021	b 148,779
168	(a)	603	10,171	13,477	b 24,251
169	(a)		1,119	5,817	b 6,936
170	(a)		1,816	12,868	b 14,684
171	(a)		3,444	19,663	b 23,107
172	(a)			18,282	b 18,282
173	(a)	(a)	(a)	5,124	c 5,124
				141,289	b 141,289

a Not reported.

b Not including insurance.

c Not including insurance, interest, and depreciation of value of plant.



TABLE VIII.—COST OF PRODUCTION OF BITUMINOUS COAL AT VARIOUS MINES IN VARIOUS STATES—Continued.

## H.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,000 POUNDS.

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe, and numbers 161 to 173 are in Great Britain.]

Establishment number.	Additional cost per ton.				
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	Total.
1	(a)				(a)
2	(a)		\$0.050	\$0.045	b \$0.095
3	(a)	\$0.116			b .116
4	\$0.001		.034		.035
5	(a)	.002			b .002
6	(a)				(a)
7	(a)				(a)
8	(a)				(a)
9	(a)				(a)
10	(a)				(a)
11	(a)			.039	b .039
12	(a)				(a)
13	(a)				(a)
14	(a)				(a)
15	(a)			.009	b .009
16	(a)			.062	b .062
17	(a)				(a)
18	(a)			.035	b .035
19	(a)				(a)
20	(a)				(a)
21	(a)	.021			b .021
22	(a)				(a)
23	(a)	.026			b .026
24	(a)				(a)
25	(a)			.075	b .075
26	(a)			.040	b .040
27	(a)				(a)
28	(a)				(a)
29	(a)				(a)
30	(a)				(a)
31	(a)				(a)
32	(a)				(a)
33	(a)				(a)
34	(a)			.050	b .050
35	(a)				(a)
36	(a)				(a)
37	(a)				(a)
38	(a)				(a)
39	(a)				(a)
40	(a)			.207	b .207
41	(a)			.301	b .301
42	(a)		.136	.056	b .192
43	(a)	.002	.005	.101	b .108
44	(a)			.030	b .030
45	(a)			.020	b .020
46	(a)	.030		.063	b .093
47	(a)		.050	.150	b .200
48	(a)		.040	.150	b .190
49	(a)			.017	b .017
50	(a)	.022		.090	b .112
51	(a)				(a)
52	(a)			.151	b .151
53	(a)				(a)
54	(a)			.160	b .160
55	(a)				(a)
56	(a)			.100	b .100
57	(a)			.065	b .065
58	(a)	.002	.090	.169	b .261
59	(a)			.200	b .200
60	(a)			.120	b .120
61	(a)	.021		.050	b .071
62	(a)	.207	.207	.117	b .531
63	(a)			.004	b .004
64	(a)	.012	.044	.072	b .128
65	(a)			.080	b .080
66	(a)			.150	b .150

a Not reported.

b Not including insurance.

TABLE VIII.—COST OF PRODUCTION OF **BITUMINOUS COAL** AT VARIOUS MINES IN VARIOUS STATES--Continued.**II.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,000 POUNDS—Continued.**

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe, and numbers 161 to 173 are in Great Britain.]

Establishment number.	Additional cost per ton.				Total.
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	
67	(a)			\$0.100	b \$0.100
68	(a)		\$0.056	.090	b .146
69	(a)	\$0.003	.100	.072	b .175
70	(a)	.026		.100	b .126
71	(a)	.064			b .064
72	(a)			.104	b .104
73	\$0.013	.064		.064	.141
74	(a)			.080	b .080
75	(a)		.003	.075	b .078
76	(a)	.001	.028	.060	b .089
77	(a)	.040		.024	b .064
78	(a)		.040	.150	b .190
79	(a)				(a)
80	(a)				(a)
81	(a)				(a)
82	(a)				(a)
83	(a)				(a)
84	(a)				(a)
85	(a)				(a)
86	(a)				(a)
87	(a)			.093	b .093
88	(a)				(a)
89	(a)			.100	b .100
90	(a)			.060	b .060
91	(a)				(a)
92	(a)				(a)
93	(a)		.030	.015	b .045
94	(a)			.101	b .101
95	(a)		.012	.134	b .146
96	(a)	.123	.012	.130	b .265
97	(a)	(a)		.389	c .089
98	(a)		.012	.134	b .146
99	(a)	.017	.015	.045	b .077
100	(a)	.030		.100	b .130
101	(a)		.100	.070	b .170
102	(a)				(a)
103	(a)	.016		.090	b .106
104	(a)		.051	.089	b .140
105	(a)		.022	.107	b .129
106	(a)		.022	.107	b .129
107	(a)	.006	.025	.078	b .109
108	(a)		.012		b .012
109	(a)		.013	.107	b .120
110	(a)		.012	.107	b .119
111	(a)	.030		.100	b .130
112	(a)	.015		.135	b .150
113	(a)	.021		.112	b .133
114	(a)	.019		.116	b .135
115	(a)	.020		.080	b .100
116	(a)				(a)
117	(a)				(a)
118	(a)				(a)
119	(a)			.105	b .105
120	(a)				(a)
121	(a)			.100	b .100
122	(a)				(a)
123	(a)				(a)
124	(a)				(a)
125	(a)	.015			(a)
126	(a)	(a)	(a)	.071	b .015
127	(a)				d .071
128	(a)				(a)
129	(a)			.100	(a)
130	(a)				b .100
131	(a)				(a)

a Not reported.

b Not including insurance.

c Not including insurance and interest.

d Not including insurance, interest, and depreciation of value of plant.

TABLE VIII.—COST OF PRODUCTION OF **BITUMINOUS COAL** AT VARIOUS MINES IN VARIOUS STATES—Concluded.**H.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,000 POUNDS—Concluded.**

[Establishments numbers 1 to 146 are in the United States; numbers 147 to 151 are in the Dominion of Canada; numbers 152 to 160 are on the continent of Europe, and numbers 161 to 173 are in Great Britain.]

Establishment number.	Additional cost per ton.				
	Insurance.	Interest.	Depreciation of value of plant.	Royalty to owners of soil.	Total.
132	(a)	\$0.021			b \$0.021
133	(a)	.030	\$0.042	\$0.059	b .61
134	(a)	.009	.050	.038	b .097
135	(a)				(a)
136	(a)			.083	b .083
137	(a)	.009		.063	b .072
138	(a)				(a)
139	(a)	.003	.025	.003	b .121
140	(a)				(a)
141	(a)	(a)	(a)	.071	c .071
142	(a)		.020	.050	b .070
143	(a)			.125	b .125
144	(a)				(a)
145	(a)				(a)
146	(a)				(a)
147	(a)				(a)
148	(a)				(a)
149	\$0.002	.034			.036
150	.005	.007			.012
151	.007	.011			.018
152	(a)	.057	.053		b .110
153	(a)				(a)
154	(a)				(a)
155	(a)				(a)
156	(a)	.053	.070		b .123
157	(a)		.020		b .020
158	(a)		.078	.007	b .085
159	(a)				(a)
160	(a)	.036	.034		b .070
161	(a)			.127	b .127
162	(a)			.127	b .127
163	(a)			.127	b .127
164	(a)			.127	b .127
165	(a)			.139	b .139
166	(a)		.065	.112	b .177
167	(a)	.004	.068	.091	b .163
168	(a)		.023	.118	b .141
169	(a)		.023	.163	b .186
170	(a)		.023	.131	b .154
171	(a)			.109	b .109
172	(a)	(a)	(a)	.136	c .136
173	(a)			.127	b .127

a Not reported.

b Not including insurance.

c Not including insurance, interest, and depreciation of value of plant.

From the above there have been drawn five subsidiary tables showing summaries of cost of bituminous coal in various countries. They cover averages drawn from forty-seven establishments in the United States for run of mine, from ninety-nine establishments in the United States for lump bituminous coal, from five establishments in the Dominion of Canada for run of mine, from thirteen establishments in Great Britain for run of mine, and from nine establishments on the continent of Europe for run of mine. The average cost per ton, as derived from these establishments, for each district is as follows: In the United States for run of mine, 72.8 cents, with an additional theoretical cost of 5.2 cents; for lump bituminous coal in the United States, 92.5 cents, with an additional theoretical cost of 6 cents; in the Dominion of Canada for run of mine, \$1.044, the additional theoretical cost being 2.2 cents; in Great Britain for run of mine, \$1.004, with a possible additional theoretical cost of 14.6 cents; on the continent of Europe for run of mine, the average cost is 67.2 cents per ton, with an additional theoretical cost of 4.9 cents. The tables showing these summaries are the five following:

SUMMARY OF COST OF BITUMINOUS COAL (RUN OF MINE) IN FORTY-SEVEN ESTABLISHMENTS IN THE UNITED STATES.

[This summary is drawn from sub-tables A to H immediately preceding. The establishments covered are numbers 1 to 6, inclusive, 10, 12, 26, 35 to 39, inclusive, 76, 86, 87, 90, 92, 94, 95, 97 to 100, inclusive, 103 to 106, inclusive, 108 to 115, inclusive, 126, 133, 137, and 140 to 146, inclusive, being all the bituminous coal mines in the United States giving their product as run of mine from which reports were obtained. As may be seen the periods covered are usually twelve months and are in the years 1888, 1889, and 1890. By run of mine is meant all the coal mined of whatever size.]

Elements of cost.	Tons of 2,000 pounds.	
	Cost of 7,446,253.	Average cost of one.
Labor.....	\$1, 826, 053	\$0. 648
Officials and clerks.....	129, 367	.017
Timber.....	108, 098	.015
Other supplies and repairs.....	310, 536	.042
Taxes.....	43, 958	.006
Total .....	5, 418, 012	.728

SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[One establishment gave the amount paid for insurance, which is the sum credited to this item below. For forty-six the agents of the Department failed to obtain a statement. Thirteen establishments gave the amount paid for interest; the aggregate of these makes the sum below. Thirty-one reported that there was no expenditure for interest, and for three no statement was obtained. Fourteen establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Thirty-one reported that nothing was charged to this item, and for two no statement was obtained. Twenty-seven establishments gave the amount paid as royalty to the owners of the soil; the aggregate of these makes the sum below. Nineteen reported that nothing was paid as royalty. The sums entered in the first column below are, of course, apportioned in the second column among the whole forty-seven establishments.]

Insurance .....	\$290	\$0.000
Interest .....	71, 292	.010
Depreciation of value of plant .....	46, 747	.006
Royalty paid to owners of the soil.....	260, 035	.036
Total .....	387, 364	.052



## SUMMARY OF COST OF BITUMINOUS COAL (LUMP) IN NINETY-NINE ESTABLISHMENTS IN THE UNITED STATES.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 7 to 9, inclusive, 11, 13 to 25, inclusive, 27 to 34, inclusive, 40 to 75, inclusive, 77 to 85, inclusive, 88, 89, 91, 93, 96, 101, 102, 107, 116 to 125, inclusive, 127 to 132, inclusive, 134 to 136, inclusive, 138 and 139, being all the bituminous coal mines in the United States giving their product as lump from which reports were obtained. As may be seen the periods covered are usually twelve months and are in the years 1888, 1889, and 1890. By lump coal is meant all coal which is large enough to pass over the screens used.]

Elements of cost.	Tons of 2,000 pounds.	
	Cost of 5,563,547.	Average cost of one.
Labor.....	\$5,190,628	\$0.933
Officials and clerks.....	232,756	.042
Timber.....	146,484	.026
Other supplies and repairs.....	277,320	.050
Taxes.....	40,273	.007
Gross total.....	5,887,461	1.058
Value of screenings.....	740,624	.133
Net total.....	5,146,837	.925

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[One establishment gave the amount paid for insurance, which makes the sum credited to this item below. For ninety-eight the agents of the Department failed to obtain a statement. Twenty establishments gave the amount paid for interest; the aggregate of these makes the sum below. Seventy-nine reported that there was no expenditure for interest. Seventeen establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Eighty-two reported that nothing was charged to this item. Fifty-two establishments gave the amount paid as royalty to the owners of the soil; the aggregate of these makes the sum below. Forty-seven reported that nothing was paid as royalty. The sums entered in the first column below are, of course, apportioned in the second column among the whole ninety-nine establishments.]

Insurance.....	\$120	\$0.000
Interest.....	43,962	.008
Depreciation of value of plant.....	50,455	.009
Royalty paid to owners of the soil.....	240,436	.043
Total.....	334,973	.060

## SUMMARY OF COST OF BITUMINOUS COAL (RUN OF MINE) IN FIVE ESTABLISHMENTS IN THE DOMINION OF CANADA.

[This summary is drawn from the preceding sub-tables A to H, though the figures of cost are there omitted and the notation made "not reported" simply to prevent identification of individual establishments. The establishments covered are numbers 147 to 151, inclusive, being all the bituminous coal mines in the Dominion of Canada from which reports were obtained. As may be seen, the period covered in each case is the calendar year 1889. By run of mine is meant all the coal mined of whatever size.]

Elements of cost.	Tons of 2,000 pounds.	
	Cost of 893,032.	Average cost of one.
Labor.....	\$751,730	\$0.842
Officials and clerks.....	22,456	.025
Timber.....	24,506	.027
Other supplies and repairs.....	78,629	.088
Taxes (a).....	55,248	.062
Total.....	932,569	1.044

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Three establishments gave the amount paid for insurance; the aggregates of these make the sum credited to this item below. For two the agents of the Department failed to obtain a statement. Three establishments gave the amount paid for interest; the aggregate of these makes the sum below. Two reported that there was no expenditure for interest. All five establishments reported that nothing was charged to depreciation and that nothing was paid as royalty to the owners of the soil. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole five establishments.]

Insurance.....	\$2,091	\$0.002
Interest.....	17,608	.020
Depreciation of value of plant.....		
Royalty paid to owners of the soil.....		
Total.....	19,699	.022

a Including royalty paid to the state.

## SUMMARY OF COST OF BITUMINOUS COAL (RUN OF MINE) IN THIRTEEN ESTABLISHMENTS IN GREAT BRITAIN.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 161 to 173, inclusive, being all the bituminous coal mines in Great Britain from which reports were obtained. As may be seen, the periods covered are irregular and are in the years 1889 and 1890. By run of mine is meant all the coal mined of whatever size.]

Elements of cost.	Tons of 2,000 pounds.	
	Cost of 3, 242, 724.	Average cost of one.
Labor .....	\$2, 531, 176	\$0. 780
Officials and clerks .....	93, 750	.029
Timber .....	200, 580	.062
Other supplies and repairs .....	353, 277	.109
Taxes .....	76, 961	.024
Total .....	3, 255, 744	1. 004

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[For all thirteen establishments the agents of the Department failed to obtain a statement as to the amount of insurance paid. One establishment gave the amount paid for interest, which makes the sum credited to this item below. Eleven reported that there was no expenditure for interest, and for one no statement was obtained. Five establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Seven reported that nothing was charged to this item, and for one no statement was obtained. All thirteen establishments gave the amount paid as royalty to the owners of the soil; the aggregate of these makes the sum below. The sums entered in the first column are, of course, apportioned in the second column among the whole thirteen establishments.]

Insurance .....		
Interest .....	\$603	\$0. 060
Depreciation of value of plant .....	71, 308	.022
Royalty paid to owners of the soil .....	400, 395	.124
Total .....	472, 306	.146

## SUMMARY OF COST OF BITUMINOUS COAL (RUN OF MINE) IN NINE ESTABLISHMENTS ON THE CONTINENT OF EUROPE.

[This summary is drawn from the preceding sub-tables A to H. The establishments covered are numbers 152 to 160, being all the bituminous coal mines on the continent of Europe from which reports were obtained. As may be seen, the periods covered are irregular and are in the years 1888, 1889, and 1890. By run of mine is meant all the coal mined of whatever size.]

Elements of cost.	Tons of 2,000 pounds.	
	Cost of 1, 732, 674.	Average cost of one.
Labor .....	\$789, 937	\$0. 456
Officials and clerks .....	27, 954	.016
Timber .....	150, 360	.087
Other supplies and repairs .....	134, 512	.078
Taxes (a) .....	60, 727	.035
Total .....	1, 163, 490	.672

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[For all nine establishments the agents of the Department failed to obtain a statement as to the amount of insurance paid. These establishments gave the amount paid for interest; the aggregate of these makes the sum credited to this item below. Six reported that there was no expenditure for interest. Five establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Four reported that nothing was charged to this item. One establishment gave the amount paid as royalty to the owners of the soil, which makes the sum below. Eight reported that nothing was paid as royalty to the owners of the soil. The sums entered in the first column below are, of course, apportioned in the second column among the whole nine establishments.]

Insurance .....		
Interest .....	\$18, 229	\$0. 010
Depreciation of value of plant .....	63, 538	.037
Royalty paid to owners of the soil .....	2, 837	.002
Total .....	84, 604	.049

a Including royalty paid to the state.

The following is a statement of the total cost of production of coal in Belgium for 1888, not including interest on capital :

## TOTAL COST OF PRODUCTION OF COAL IN BELGIUM IN 1888.

Items.	Amount.	Per ton of 2,000 pounds.
Wages.....	\$17,981,800	\$0.849
Other expenses.....	11,916,600	0.562
Total .....	29,898,400	1.411

The term other expenses, used in this and the two succeeding Belgian tables, includes amounts consumed in coal, wood, iron, cables, oils, grease, powder, forage, etc.; sums expended in the purchase of materials, machines, plant, ground, etc.; amounts spent in the payment of condemnation proceedings, taxes, legal expenses, relief funds, and all such general expenses.

## COST OF PRODUCTION OF COAL IN THE PROVINCE OF LIÈGE, BELGIUM, IN 1888—ORDINARY EXPENSES.

Items.	Amount.
Cost per ton for labor .....	\$0.836
Cost per ton for other expenses .....	.501
Total.....	1.337
Average selling price per ton at the mine.....	1.575

The above is accompanied by the following statement of additional expenditures. These extraordinary expenses are described as being for the opening up of new mines and general preparation for future work, but the amount seems larger than would be necessary in this country when distributed over the mines of a whole district. It is likely, therefore, that a part at least should be considered as ordinary expenses and added to the preceding.

## COST OF PRODUCTION OF COAL IN THE PROVINCE OF LIÈGE, BELGIUM, IN 1888—EXTRAORDINARY EXPENSES.

Items.	Amount.
Cost per ton for labor .....	\$0.042
Cost per ton for other expenses .....	.051
Total.....	.093



## PRICES OF COAL.

The following short tables show the average price of coal in different countries as specified :

## SELLING PRICE OF BITUMINOUS COAL AT PITTSBURGH, PENNSYLVANIA.

[Furnished by Joseph D. Weeks, editor of the American Manufacturer and Iron World, Pittsburgh, Pa. The prices as given are quotations at intervals of once a week. It is a local custom for such sales to be made by the bushel of 76 pounds rather than by the ton.]

Date.	Cents per bushel.		Date.	Cents per bushel.	
	River mines.	Railroad mines.		River mines.	Railroad mines.
Jan. 2 to Feb. 26, 1880.....	5	.....	Aug. 13, 1885, to Jan. 27, 1886	4 to 5	4½ to 5
Mar. 4, 1880 to Feb. 3, 1881.....	5 to 6	.....	Feb. 4 to June 24, 1886 .....	4 to 5	4½ to 4¾
Feb. 10, 1881, to Nov. 15, 1883.....	6 to 7	.....	July 1 to Oct. 28, 1886.....	3½ to 4½	4½ to 4¾
Nov. 22 to Dec. 13, 1883 .....	6 to 6½	.....	Nov. 4, 1886, to Mar. 24, 1887 ..	4 to 5	4½ to 5
Dec. 20, 1883, to May 22, 1884.....	4½ to 5½	.....	Mar. 31 to Apr. 28, 1887.....	4 to 5	5 to 5½
May 29 to July 10, 1884 .....	4½ to 5½	5½	May 5, 1887, to Feb. 2, 1888 ..	4 to 5	5
July 17 to July 31, 1884.....	4½ to 5½	5½ to 5½	Feb. 9 to Feb. 16, 1888 .....	4 to 5½	5
Aug. 7 to Aug. 14, 1884.....	4½ to 5	5½ to 5½	Feb. 23, 1888, to Jan. 3, 1889..	4½ to 5	5
Aug. 21 to Sept. 18, 1884.....	4½ to 5	5 to 5½	Jan. 10 to June 19, 1889 .....	4½ to 5	5 to 6½
Sept. 25, 1884.....	4½ to 5	5½	June 27, 1889.....	4 to 5	5 to 6½
Oct. 2, 1884, to Feb. 12, 1885 ..	5 to 6	5½ to 5½	July 3 to Oct. 17, 1889 .....	4½ to 5	5 to 6½
Feb. 19 to July 23, 1885 .....	4 to 6	5	Oct. 24, 1889, to Dec. 24, 1890..	4½ to 5	5 to 5½
July 30 to Aug. 6, 1885 .....	4 to 6	4½ to 5			

## AVERAGE PRICE OF COAL AT THE MINE, UPPER SILESIA, GERMANY.

Month.	Per ton of 2,000 pounds.							
	Piece.	Dice.	Nnt.	Grain.	Pea.	Fine.	Dust.	Average.
1888.								
January .....	\$1.187	\$1.205	\$1.103	\$0.281	\$0.564	\$0.695	\$0.127	\$0.859
February.....	1.172	1.177	1.101	.276	.564	.691	.127	.823
March.....	1.125	1.116	1.067	.272	.559	.697	.127	.838
April.....	1.136	1.129	1.062	.274	.551	.695	.127	.784
May.....	1.134	1.116	1.067	.291	.553	.689	.127	.760
June.....	1.127	1.112	1.060	.291	.544	.687	.130	.782
July.....	1.114	1.112	1.069	.291	.548	.689	.125	.801
August.....	1.114	1.131	1.054	.285	.540	.687	.119	.844
September.....	1.125	1.153	1.082	.287	.561	.691	.121	.820
October.....	1.151	1.172	1.088	.289	.579	.693	.125	.818
November.....	1.157	1.181	1.084	.281	.583	.691	.123	.825
December.....	1.127	1.151	1.121	.289	.618	.689	.125	.823
1889.								
January .....	1.121	1.175	1.125	.311	.613	.689	.138	.840
February.....	1.123	1.185	1.131	.304	.622	.687	.125	.799
March.....	1.097	1.121	1.069	.302	.596	.691	.130	.792
April.....	1.090	1.112	1.069	.289	.587	.687	.127	.779
May.....	1.112	1.110	1.071	.326	.592	.690	.127	.771
June.....	1.136	1.149	1.105	.367	.665	.708	.143	.827
July.....	1.153	1.134	1.062	.304	.574	.682	.132	.838
August.....	1.080	1.118	1.067	.309	.579	.704	.136	.808
September.....	1.129	1.162	1.106	.330	.620	.689	.132	.859
October.....	1.131	1.164	1.112	.302	.620	.697	.127	.861
November.....	1.153	1.153	1.116	.289	.618	.708	.127	.874
December.....	1.166	1.162	1.127	.289	.628	.704	.125	.874
1890.								
January .....	1.175	1.151	1.125	.289	.626	.700	.127	.890
February.....	1.175	1.162	1.131	.289	.650	.702	.127	.887
March.....	1.172	1.157	1.123	.294	.626	.695	.130	.896
April.....	1.159	1.177	1.121	.322	.639	.695	.158	.884
May.....	1.164	1.155	1.105	.378	.624	.706	.173	.890



## AVERAGE PRICE OF COAL AND COKE PERTON IN THE DORTMUND (WESTPHALIA) DISTRICT.

Month.	Furnace coal.			Coking coal.			Coke.		
	1888.	1889.	1890.	1888.	1889.	1890.	1888.	1889.	1890.
January.....	\$1.252	\$1.479	\$2.996	\$1.231	\$1.447	\$2.699	\$1.878	\$2.159	\$5.857
February.....	1.306	1.490	3.185	1.231	1.447	2.807	1.932	2.159	6.423
March.....	1.306	1.511	3.185	1.231	1.447	2.807	1.932	2.267	6.072
April.....	1.306	1.511	3.077	1.231	1.447	2.807	1.954	2.375	5.506
May.....	1.360	(a)	.....	1.295	(a)	.....	2.003	(a)	.....
June.....	1.360	(a)	.....	1.295	(a)	.....	2.003	(a)	.....
July.....	1.360	(a)	.....	1.295	(a)	.....	2.003	(a)	.....
August.....	1.360	(a)	.....	1.295	(a)	.....	2.051	(a)	.....
September.....	1.360	2.224	.....	1.295	1.997	.....	2.051	3.886	.....
October.....	1.447	2.375	.....	1.349	2.105	.....	2.051	4.156	.....
November.....	1.479	2.591	.....	1.447	2.267	.....	1.943	4.750	.....
December.....	1.479	2.861	.....	1.447	2.483	.....	1.943	5.398	.....
Average.....	1.365	1.999	.....	1.304	1.829	.....	1.978	3.394	.....

<sup>a</sup> Prices not quoted because of the general prevalence of strikes and consequent stoppage of production.



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COKE.

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## COKE.

The titles of the table and sub-tables relating to the cost of production of coke are as follows:

TABLE IX.—*Cost of Production of Coke at Various Ovens in Various States.*

- A.—Period covered and quantity of product.
- B.—Chemical analysis of coke (per cent.)
- C.—General statement of cost for the period.
- D.—Elements of cost in one ton of 2,000 pounds.
- E.—Per cent. of each element of cost in one ton of 2,000 pounds.
- F.—Additional cost of certain theoretical elements.
- G.—Additional cost of certain theoretical elements in one ton of 2,000 pounds.

The presentations for coke are in the same general form as for the preceding industries and call for little special comment.

The last column in sub-table A, shows the quantity of coal used to produce one ton of coke at each establishment. These quantities vary very greatly, ranging from 3,934 pounds (the highest) in Great Britain to 2,421 pounds (the lowest) on the continent of Europe. Moreover, these figures will be found to vary greatly in the same country. Thus, in the United States the range is from 3,701 pounds to 2,519 pounds, on the continent of Europe from 3,095 pounds to 2,421 pounds, and in Great Britain from 3,934 pounds to 2,701 pounds. These variations may be due partially to the process employed in the manufacture of the coke, and partially to differences in economy of administration, but are doubtless chiefly due to the character of the coal—its relative fitness for coking.

The analyses of coke published in sub-table B, are reported as received from the officers of the establishments.

The supplementary tables, covering insurance, interest, etc., are, as usual, very fragmentary.

TABLE IX.—COST OF PRODUCTION OF COKE AT VARIOUS OVENS IN VARIOUS STATES.

## A.—PERIOD COVERED AND QUANTITY OF PRODUCT.

Establishment number.	Locality.	Period covered.		Coke produced (tons of 2,000 pounds).	Coal used in production (tons of 2,000 pounds).	Pounds of coal used to produce one ton of coke.
		Terminal dates.	Days of running time.			
1.....	United States.....	Sept. 1, 1888, to Aug. 31, 1889	313	75,949	140,534	3,701
2.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	313	65,520	112,896	3,446
3.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	304	64,411	114,758	3,563
4.....	do.....	Jan. 12, 1889, to Dec. 31, 1889	300	45,059	73,836	3,277
5.....	do.....	Feb. 1, 1889, to Jan. 31, 1890	353	267,514	454,774	3,400
6.....	do.....	Feb. 1, 1889, to Jan. 31, 1890	362	111,039	172,659	3,110
7.....	do.....	Feb. 1, 1889, to Jan. 31, 1890	353	137,693	229,488	3,333
8.....	do.....	Jan. 1, 1890, to Jan. 31, 1890	24	2,600	4,200	3,231
9.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	234	4,000	5,600	2,800
10.....	do.....	Oct. 1, 1888, to Sept. 30, 1889	310	34,055	61,219	3,595
11.....	do.....	Nov. 1, 1888, to Oct. 31, 1889	165	27,282	39,960	2,929
12.....	do.....	Nov. 1, 1888, to Oct. 31, 1889	172	31,980	49,958	3,124
13.....	do.....	Nov. 1, 1888, to Oct. 31, 1889	226	169,920	239,882	2,823
14.....	do.....	Nov. 1, 1888, to Oct. 31, 1889	229	43,744	63,707	2,913
15.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	149	26,818	33,780	2,519
16.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	182	20,565	28,373	2,759
17.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	220	24,000	36,700	3,058
18.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	272	45,404	61,225	2,697
19.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	278	115,921	154,562	2,667
20.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	287	49,686	76,493	3,079
21.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	310	256,345	341,800	2,667
22.....	do.....	Feb. 1, 1889, to Jan. 31, 1890	156	24,563	40,938	3,333
23.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	197	44,407	74,012	3,333
24.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	217	87,384	145,639	3,333
25.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	304	63,977	106,628	3,333
26.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	248	22,577	36,120	3,200
27.....	do.....	Apr. 1, 1889, to Mar. 31, 1890	310	99,508	143,051	2,875
28.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	165	23,094	38,510	3,335
29.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	264	36,970	61,345	3,319
30.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	201	14,198	23,661	3,333
31.....	Continent of Europe.....	Sept. 22, 1889, to Oct. 19, 1889	28	3,918	5,817	2,969
32.....	do.....	Sept. 22, 1889, to Oct. 19, 1889	28	6,848	9,645	2,817
33.....	do.....	Sept. 22, 1889, to Oct. 19, 1889	28	2,001	2,638	2,637
34.....	do.....	Aug. 1, 1889, to Oct. 31, 1889	92	10,531	13,999	2,659
35.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	310	29,851	36,139	2,421
36.....	do.....	Jan. 1, 1889, to Dec. 31, 1889	365	88,516	119,496	2,700
37.....	do.....	Jan. 1, 1888, to Dec. 31, 1888	365	91,098	139,078	3,053
38.....	do.....	Oct. 1, 1889, to Dec. 31, 1889	89	23,074	29,131	2,525
39.....	do.....	Apr. 1, 1889, to Mar. 31, 1890	362	64,727	100,167	3,095
40.....	do.....	Jan. 1, 1890, to Jan. 31, 1890	31	46,110	63,001	2,732
41.....	Great Britain.....	(a).....	156	12,185	23,906	3,934
42.....	do.....	Jan. 1, 1889, to June 30, 1889	182	61,450	100,632	3,275
43.....	do.....	Sept. 29, 1889, to Dec. 28, 1889	91	7,418	12,533	3,379
44.....	do.....	Sept. 29, 1889, to Dec. 28, 1889	91	7,329	9,900	2,701
45.....	do.....	Sept. 29, 1889, to Dec. 28, 1889	91	25,064	40,180	3,206

(a) Not reported.

TABLE IX.—COST OF PRODUCTION OF COKE AT VARIOUS OVENS IN VARIOUS STATES—Continued.

## B.—CHEMICAL ANALYSIS OF COKE (PER CENT.)

[Establishments numbers 1 to 30 are in the United States; numbers 31 to 40 are on the continent of Europe; and numbers 41 to 45 are in Great Britain.]

Establishment number.	Water.	Volatile combustible matter.	Fixed carbon.	Sulphur.	Ash.
1	.180	.640	89.164	.670	9.346
2	(a)	(a)	(a)	(a)	(a)
3	.080	1.110	90.480	.830	7.500
4	.680	2.500	80.910	1.940	13.970
5	.500	1.000	88.900	Trace.	9.600
6	.250	2.050	85.110	(b)	12.590
7	.760	2.460	83.220	(c)	13.560
8	(a)	(a)	(a)	(a)	(a)
9	1.540	2.270	83.670	1.180	11.340
10	.130	1.210	87.690	1.070	9.900
11	(a)	(a)	(a)	(a)	(a)
12	(a)	(a)	(a)	(a)	(a)
13	(a)	(a)	(a)	(a)	(a)
14	(a)	(a)	(a)	(a)	(a)
15	(a)	(a)	(a)	(a)	(a)
16	(a)	(a)	(a)	(a)	(a)
17	(a)	(a)	(a)	(a)	(a)
18	(a)	(a)	(a)	(a)	(a)
19	(a)	(a)	(a)	(a)	(a)
20	(a)	(a)	(a)	(a)	(a)
21		1.260	90.380	(d)	8.360
22	(a)	(a)	(a)	(a)	(a)
23	(a)	(a)	(a)	(a)	(a)
24	.280	1.380	77.530	1.000	19.810
25	.950	.460	87.220	.760	10.610
26			94.560	.790	4.650
27	.345	.341	92.694	.738	5.882
28	.290	.140	96.141	.569	2.860
29	(a)	(a)	(a)	(a)	(a)
30	.860	1.440	89.800	(e)	7.900
31	5.000	2.000	79.000	.500	13.500
32	(a)	(a)	(a)	(a)	(a)
33	(a)	(a)	(a)	(a)	(a)
34	4.000		83.950	.550	11.500
35		2.000	87.500	Trace.	10.500
36	6.500	1.500	80.000	.800	11.200
37	(a)	(a)	(a)	(a)	(a)
38	(a)	(a)	(a)	(a)	(a)
39	(a)	(a)	(a)	(a)	(a)
40	(a)	(a)	(a)	(a)	(a)
41			90.050	.820	9.130
42	3.400	.500	86.800	.900	8.400
43	1.700		89.900	.750	7.650
44	(a)	(a)	(a)	(a)	(a)
45	(a)	(a)	(a)	(a)	(a)

a Not reported.

b Sulphur, by separate determination, 1.650.

c Sulphur, by separate determination, 1.460.

d Sulphur, by separate determination, 0.696.

e Sulphur included with ash.

TABLE IX.—COST OF PRODUCTION OF COKE AT VARIOUS OVENS IN VARIOUS STATES—Continued.

## C.—GENERAL STATEMENT OF COST FOR THE PERIOD.

[Establishments numbers 1 to 30 are in the United States; numbers 31 to 40 are on the continent of Europe; and numbers 41 to 45 are in Great Britain.—Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Coal for coking.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1.....	\$154,043	\$26,409	\$957	\$1,977	\$112	\$183,493
2.....	125,200	19,785	3,600	600	(a)	b 149,185
3.....	121,529	24,021	5,068	3,980	163	154,761
4.....	94,145	17,754	1,500	1,532	300	115,231
5.....	454,774	96,304	9,600	10,701	2,000	573,379
6.....	206,957	31,830	(c)	14,559	200	253,546
7.....	201,123	60,469	(c)	9,539	260	271,391
8.....	4,601	2,000	-----	100	(a)	b 6,701
9.....	2,480	2,240	100	100	40	4,960
10.....	41,295	11,157	900	453	120	53,925
11.....	19,830	7,699	442	827	75	28,873
12.....	24,550	8,928	442	1,013	122	35,055
13.....	121,824	52,338	1,150	12,803	123	188,238
14.....	36,313	13,616	413	2,343	-----	52,685
15.....	19,254	9,929	750	350	74	30,357
16.....	13,282	7,664	600	708	93	22,347
17.....	25,690	17,836	3,000	(a)	(a)	d 46,526
18.....	24,282	12,849	300	528	99	38,058
19.....	58,298	34,771	2,040	1,244	185	96,538
20.....	24,386	10,761	1,200	258	112	36,717
21.....	141,184	101,611	5,500	42,498	3,865	294,658
22.....	9,952	6,308	1,467	800	139	18,666
23.....	59,210	17,105	2,440	700	216	79,671
24.....	162,605	30,222	4,200	2,400	500	199,927
25.....	95,964	21,102	2,500	1,583	300	121,449
26.....	54,361	9,470	2,700	400	75	67,006
27.....	92,350	45,159	1,250	2,985	66	141,810
28.....	29,226	9,808	2,000	1,020	100	42,154
29.....	46,556	10,456	3,000	1,360	151	61,523
30.....	16,478	6,572	1,000	650	38	24,738
31.....	10,595	1,778	134	163	58	12,728
32.....	17,324	1,912	135	151	116	19,638
33.....	4,644	549	66	35	19	5,313
34.....	24,024	1,900	338	388	111	26,761
35.....	43,520	4,150	232	3,290	-----	51,192
36.....	221,078	17,047	(e)	e 4,649	(e)	242,774
37.....	127,337	22,049	(f)	3,796	f 2,990	g, h 156,172
38.....	35,336	3,857	500	153	1,093	40,939
39.....	73,532	19,096	3,787	5,869	555	102,839
40.....	70,373	9,234	735	1,666	397	82,405
41.....	14,324	4,653	84	434	(a)	b 19,495
42.....	k 73,171	21,942	(k)	5,980	1,113	102,206
43.....	14,243	2,857	223	967	-----	18,290
44.....	14,047	1,829	159	1,241	-----	17,276
45.....	46,756	7,209	660	5,369	-----	59,994

a Not reported.

b Not including taxes.

c Clerical work very slight, and performed by clerk at another branch of the same establishment.

d Not including supplies and repairs and taxes.

e The expenditures for officials and clerks and for taxes are inseparably combined with those for supplies and repairs.

f The expenditures for officials and clerks and insurance are inseparably combined with those for taxes.

g Including insurance.

h From this amount should be deducted \$19,669, the value of clinder, tar, and ammonia produced during the period.

i From this amount should be deducted \$6,150, the value of tar and ammonia produced during the period.

k The expenditures for officials and clerks are inseparably combined with those for coal.



TABLE IX.—COST OF PRODUCTION OF COKE AT VARIOUS OVENS IN VARIOUS STATES—Continued.

## D.—ELEMENTS OF COST IN ONE TON OF 2,000 POUNDS.

[Establishments numbers 1 to 30 are in the United States; numbers 31 to 40 are on the continent of Europe; and numbers 41 to 45 are in Great Britain.—Insurance, interest, depreciation of value of plant, and charges for freight of product to place of free delivery are not included.]

Establishment number.	Coal for coking.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1.....	\$2.028	\$0.348	\$0.013	\$0.026	\$0.001	\$2.416
2.....	1.911	.302	.055	.009	(a)	b 2.277
3.....	1.887	.373	.079	.062	.002	2.403
4.....	2.089	.394	.033	.034	.007	2.557
5.....	1.700	.360	.036	.040	.007	2.143
6.....	1.864	.286	(c)	.131	.002	2.283
7.....	1.461	.439	(c)	.069	.002	1.971
8.....	1.770	.769	.....	.038	(a)	b 2.577
9.....	.620	.560	.025	.025	.010	1.240
10.....	1.213	.328	.026	.013	.004	1.584
11.....	.727	.282	.016	.030	.003	1.058
12.....	.767	.279	.014	.032	.004	1.096
13.....	.717	.308	.007	.075	.001	1.108
14.....	.830	.311	.009	.054	.....	1.204
15.....	.718	.370	.028	.013	.003	1.132
16.....	.646	.373	.029	.034	.005	1.087
17.....	1.070	.743	.125	(a)	(a)	d 1.938
18.....	.535	.283	.006	.012	.002	.838
19.....	.503	.300	.017	.011	.002	.833
20.....	.491	.217	.024	.005	.002	.739
21.....	.551	.396	.021	.166	.015	1.149
22.....	.405	.257	.060	.032	.006	.760
23.....	1.333	.385	.055	.016	.005	1.794
24.....	1.861	.346	.048	.027	.006	2.288
25.....	1.500	.330	.039	.025	.005	1.899
26.....	2.408	.419	.120	.018	.003	2.968
27.....	.928	.454	.012	.030	.001	1.425
28.....	1.265	.425	.087	.044	.004	1.825
29.....	1.259	.283	.081	.037	.004	1.664
30.....	1.160	.463	.070	.046	.003	1.742
31.....	2.704	.454	.034	.042	.015	3.249
32.....	2.530	.279	.020	.022	.017	2.868
33.....	2.321	.274	.033	.017	.010	2.655
34.....	2.281	.180	.032	.037	.011	2.541
35.....	1.458	.139	.008	.110	.....	1.715
36.....	2.498	.193	(e)	e .052	(e)	2.743
37.....	1.398	.242	(f)	.042	f .033	g, h 1.715
38.....	1.531	.167	.022	.007	.047	1.774
39.....	1.136	.295	.058	.091	.009	i 1.589
40.....	1.526	.200	.016	.036	.009	1.787
41.....	1.175	.382	.007	.036	(a)	b 1.600
42.....	k 1.191	.357	(k)	.097	.018	1.603
43.....	1.920	.385	.030	.130	.....	2.465
44.....	1.917	.249	.022	.169	.....	2.357
45.....	1.866	.288	.026	.214	.....	2.394

a Not reported.

b Not including taxes.

c Clerical work very slight, and performed by clerk at another branch of the same establishment.

d Not including supplies and repairs and taxes.

e The expenditures for officials and clerks and for taxes are inseparably combined with those for supplies and repairs.

f The expenditures for officials and clerks and insurance are inseparably combined with those for taxes.

g Including insurance.

h From this amount should be deducted 21.6 cents, the value per ton of product of cinder, tar, and ammonia produced.

i From this amount should be deducted 9.5 cents, the value per ton of product of tar and ammonia produced.

k The expenditures for officials and clerks are inseparably combined with those for coal.

TABLE IX.—COST OF PRODUCTION OF COKE AT VARIOUS OVENS IN VARIOUS STATES—Continued.

## E.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,000 POUNDS.

[Establishments numbers 1 to 30 are in the United States; numbers 31 to 40 are on the continent of Europe; and numbers 41 to 45 are in Great Britain.—This table is based on the preceding one and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish.]

Establishment number.	Coal for coking.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1.....	83.94	14.40	.54	1.08	.04	100
2.....	83.93	13.26	2.42	.39	.....	100
3.....	78.53	15.52	3.29	2.58	.08	100
4.....	81.70	15.41	1.29	1.33	.27	100
5.....	79.33	16.80	1.68	1.86	.33	100
6.....	81.64	12.53	.....	5.74	.09	100
7.....	74.13	22.27	.....	3.50	.10	100
8.....	68.68	29.84	.....	1.48	.....	100
9.....	50.00	45.16	2.02	2.02	.80	100
10.....	76.58	20.71	1.64	.82	.25	100
11.....	68.72	26.65	1.51	2.84	.28	100
12.....	69.98	25.46	1.28	2.92	.36	100
13.....	64.71	27.80	.63	6.77	.09	100
14.....	68.94	25.83	.75	4.48	.....	100
15.....	63.43	32.69	2.47	1.15	.26	100
16.....	59.43	34.31	2.67	3.13	.46	100
17.....	55.21	38.34	6.45	.....	.....	100
18.....	63.84	33.77	.72	1.43	.24	100
19.....	60.38	36.02	2.04	1.32	.24	100
20.....	66.44	29.36	3.25	.68	.27	100
21.....	47.95	34.46	1.83	14.45	1.31	100
22.....	53.29	33.82	7.89	4.21	.79	100
23.....	74.30	21.46	3.07	.89	.28	100
24.....	81.34	15.12	2.10	1.18	.26	100
25.....	78.99	17.38	2.05	1.32	.26	100
26.....	81.13	14.12	4.04	.61	.10	100
27.....	65.12	31.86	.84	2.11	.07	100
28.....	69.31	23.29	4.77	2.41	.22	100
29.....	75.06	17.01	4.87	2.22	.24	100
30.....	60.59	26.58	4.02	2.64	.17	100
31.....	83.23	13.97	1.05	1.29	.46	100
32.....	88.21	9.73	.70	.77	.59	100
33.....	87.42	10.32	1.24	.64	.38	100
34.....	89.77	7.08	1.26	1.46	.43	100
35.....	85.01	8.11	.47	6.41	.....	100
36.....	91.06	7.04	.....	1.90	.....	100
37.....	81.52	14.11	.....	2.45	1.92	100
38.....	86.30	9.41	1.24	.40	2.65	100
39.....	71.49	18.56	3.65	5.73	.57	100
40.....	85.39	11.19	.90	2.02	.50	100
41.....	73.44	23.87	.44	2.25	.....	100
42.....	71.62	21.47	.....	5.83	1.08	100
43.....	77.89	15.62	1.22	5.27	.....	100
44.....	81.33	10.57	.93	7.17	.....	100
45.....	77.94	12.03	1.09	8.94	.....	100

TABLE IX.—COST OF PRODUCTION OF COKE AT VARIOUS OVENS IN VARIOUS STATES—Continued.

## F.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.

[Establishments numbers 1 to 30 are in the United States; numbers 31 to 40 are on the continent of Europe; and numbers 41 to 45 are in Great Britain.]

Establishment number.	Additional cost.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	(a)			(a)
2.....	(a)		\$2, 000	b \$2, 000
3.....	(a)	\$6, 969		b 6, 969
4.....	(a)			(a)
5.....	(a)			(a)
6.....	(a)			(a)
7.....	(a)			(a)
8.....	(a)			(a)
9.....	(a)			(a)
10.....	(a)			(a)
11.....	(a)	(a)	(a)	(a)
12.....	(a)			(a)
13.....	(a)			(a)
14.....	(a)			(a)
15.....	(a)			(a)
16.....	(a)			(a)
17.....	(a)			(a)
18.....	(a)			(a)
19.....	(a)			(a)
20.....	(a)			(a)
21.....	(a)	4, 347		b 4, 347
22.....	(a)			(a)
23.....	(a)			(a)
24.....	(a)			(a)
25.....	(a)			(a)
26.....	(a)			(a)
27.....	(a)			(a)
28.....	(a)			(a)
29.....	(a)			(a)
30.....	(a)			(a)
31.....	(a)			(a)
32.....	(a)			(a)
33.....	(a)			(a)
34.....	(a)			(a)
35.....	(a)		1, 158	b 1, 158
36.....	(a)			(a)
37.....	(a)			(a)
38.....	(a)	1, 499	1, 428	b 2, 927
39.....	(a)		7, 975	b 7, 975
40.....	(a)			(a)
41.....	(a)			(a)
42.....	(a)			(a)
43.....	(a)			(a)
44.....	(a)			(a)
45.....	(a)			(a)

a Not reported.

b Not including insurance.

TABLE IX.—COST OF PRODUCTION OF COKE AT VARIOUS OVENS IN VARIOUS STATES—Concluded.

## G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,000 POUNDS.

[Establishments numbers 1 to 30 are in the United States; numbers 31 to 40 are on the continent of Europe; and numbers 41 to 45 are in Great Britain.]

Establishment number.	Additional cost per ton.			
	Insurance.	Interest.	Depreciation of value of plant.	Total.
1.....	(a)			(a)
2.....	(a)		\$0.031	b \$0.031
3.....	(a)	\$0.108		b .108
4.....	(a)			(a)
5.....	(a)			(a)
6.....	(a)			(a)
7.....	(a)			(a)
8.....	(a)			(a)
9.....	(a)			(a)
10.....	(a)			(a)
11.....	(a)	(a)	(a)	(a)
12.....	(a)			(a)
13.....	(a)			(a)
14.....	(a)			(a)
15.....	(a)			(a)
16.....	(a)			(a)
17.....	(a)			(a)
18.....	(a)			(a)
19.....	(a)			(a)
20.....	(a)			(a)
21.....	(a)	.017		b .017
22.....	(a)			(a)
23.....	(a)			(a)
24.....	(a)			(a)
25.....	(a)			(a)
26.....	(a)			(a)
27.....	(a)			(a)
28.....	(a)			(a)
29.....	(a)			(a)
30.....	(a)			(a)
31.....	(a)			(a)
32.....	(a)			(a)
33.....	(a)			(a)
34.....	(a)			(a)
35.....	(a)		.039	b .039
36.....	(a)			(a)
37.....	(a)			(a)
38.....	(a)	.065	.062	b .127
39.....	(a)		.123	b .123
40.....	(a)			(a)
41.....	(a)			(a)
42.....	(a)			(a)
43.....	(a)			(a)
44.....	(a)			(a)
45.....	(a)			(a)

a Not reported.

b Not including insurance.

From these presentations we have drawn three tables showing the summaries of cost of coke in thirty establishments in the United States, in eight establishments on the continent of Europe, and in five establishments in Great Britain. These summaries show that the average cost of one ton of coke, as given by the establishments in the United States, is \$1.667, and that the theoretical cost which might be added is 0.7 of a cent; for the continent of Europe the average cost for the eight establishments is \$2.285, and the additional theoretical cost 1.9 cents; and for Great Britain the five establishments shown give the average cost of one ton as \$1.915, with no additional theoretical cost.



## SUMMARY OF COST OF COKE IN THIRTY ESTABLISHMENTS IN THE UNITED STATES.

[This summary is drawn from sub-tables A to G immediately preceding. The establishments covered are numbers 1 to 30, inclusive, being all the coke ovens in the United States from which reports were obtained. As may be seen, the periods covered are usually twelve months and are in the years 1888, 1889, and 1890.]

Elements of cost.	Tons of 2,000 pounds.	
	Cost of 2,036,183.	Average cost of one.
Coal for coking .....	\$2,481,742	\$1.219
Labor .....	726,173	.357
Officials and clerks .....	58,119	.028
Supplies and repairs .....	118,011	.058
Taxes .....	9,528	.005
Total .....	3,393,573	1.667
Tons of coal (2,000 pounds) used in production .....	3,166,308	
Average pounds of coal necessary to make one ton (2,000 pounds) of coke .....	3,110	

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[For all thirty establishments the agents of the Department failed to obtain a statement as to the amount paid for insurance. Two establishments gave the amount paid for interest; the aggregate of these makes the sum credited to this item below. Twenty-seven reported that there was no expenditure for interest, and for one the agent of the Department failed to obtain a statement. One establishment gave the amount charged to depreciation, which is the sum below. Twenty-eight reported that nothing was charged to this item, and for one no statement was obtained. The sums entered in the first column below are, of course, apportioned in the second column among the whole thirty establishments.]

Insurance .....		
Interest .....	\$11,316	\$0.006
Depreciation of value of plant .....	2,000	.001
Total .....	13,316	.007

## SUMMARY OF COST OF COKE IN EIGHT ESTABLISHMENTS ON THE CONTINENT OF EUROPE.

[This summary is drawn from the preceding sub-tables A to G. The establishments covered are numbers 31 to 36, inclusive, 38 and 40, being all the coke ovens on the continent of Europe from which full reports were obtained. As may be seen, the periods covered are irregular and are in the years 1888 and 1889.]

Elements of cost.	Tons of 2,000 pounds.	
	Cost of 210,849.	Average cost of one.
Coal for coking .....	\$426,894	\$2.025
Labor .....	40,427	.192
Officials and clerks .....	2,140	.010
Supplies and repairs .....	10,495	.050
Taxes .....	1,794	.008
Total .....	481,750	2.285
Tons of coal (2,000 pounds) used in production .....	279,866	
Average pounds of coal necessary to make one ton (2,000 pounds) of coke .....	2,655	

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[For all eight establishments the agents of the Department failed to obtain a statement as to the amount paid for insurance. One establishment gave the amount paid for interest, which is the sum credited to this item below. Seven reported that there was no expenditure for interest. Two establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Six reported that nothing was charged to this item. The sums entered in the first column below are, of course, apportioned in the second column among the whole eight establishments.]

Insurance .....		
Interest .....	\$1,499	\$0.007
Depreciation of value of plant .....	2,586	.012
Total .....	4,085	.019

## REPORT OF THE COMMISSIONER OF LABOR.

## SUMMARY OF COST OF COKE IN FIVE ESTABLISHMENTS IN GREAT BRITAIN.

[This summary is drawn from the preceding sub-tables A to G. The establishments covered are numbers 41 to 45, inclusive, being all the coke ovens in Great Britain from which reports were obtained. As may be seen, the periods covered are irregular and are in the year 1889. For all five establishments the agents of the Department failed to obtain a statement as to the amount paid for the theoretical element of insurance. All five reported that there was no expenditure for interest and that nothing was charged to depreciation, the other theoretical elements.]

Elements of cost.	Tons of 2,000 pounds.	
	Cost of 113,446.	Average cost of one.
Coal for coking .....	\$162,541	\$1.433
Labor .....	38,490	.339
Officials and clerks .....	1,126	.010
Supplies and repairs .....	13,991	.123
Taxes .....	1,113	.010
Total .....	217,261	1.915
Tons of coal (2,000 pounds) used in production.....	187,211	
Average pounds of coal necessary to make one ton (2,000 pounds) of coke .....	3,300	

## SELLING PRICE OF COKE PER TON AT PITTSBURGH, PA.

The price of coke, as sold in the market at Pittsburgh from the latter part of 1887 to May 22, 1890, is shown in the following table:

## SELLING PRICE OF COKE PER TON AT PITTSBURGH, PENNSYLVANIA.

[Furnished by H. C. Frick & Co., May 22, 1890.]

Date.	Price.	Date.	Price.
Latter part of 1887.....	\$2.00	Aug. 6 to Oct. 1, 1889 .....	\$1.35
Jan. 1 to Feb. 24, 1888.....	1.75	Oct. 1 to Nov. 1, 1889 .....	1.50
Feb. 24 to Mar. 1, 1888.....	1.50	Nov. 1, 1889, to Feb. 10, 1890 .....	1.75
Mar. 28 to Oct. 26, 1888.....	1.00	Feb. 1 to May 22, 1890 .....	2.15
Oct. 26, 1888, to Aug. 6, 1889.....	1.25		

In addition to the foregoing prices, middlemen or brokers are now charged 15 cents per ton, and they in turn charge small consumers another 15 cents per ton.

The following table gives the price of coke at Connellsville for the last 6 years, on board the cars at ovens, per ton of 2,000 pounds:

## PRICE OF COKE PER TON AT CONNELLSVILLE, PENNSYLVANIA.

[From the Iron Age, Nov. 13, 1890.]

Month.	1884.	1885.	1886.	1887.	1888.	1889.
January.....	\$1.00	\$1.10	\$1.20	\$1.50	\$1.75	\$1.25
February.....	1.00	1.10	1.35	2.00	1.75	1.25
March.....	1.00	1.10	1.35	2.00	1.50	1.25
April.....	1.10	1.20	1.35	2.00	1.00	1.15
May.....	1.10	1.20	1.50	2.00	1.00	1.10
June.....	1.10	1.20	1.50	2.00	1.00	1.10
July.....	1.00	1.20	1.50	2.00	1.00	1.00
August.....	1.10	1.20	1.50	2.00	1.00	1.00
September.....	1.10	1.20	1.50	2.00	1.00	1.35
October.....	1.10	1.20	1.50	2.00	1.00	1.50
November.....	1.10	1.20	1.50	2.00	1.25	1.75
December.....	1.10	1.20	1.50	2.00	1.25	1.75

## AVERAGE PRICE OF COAL AND COKE PER TON IN CHARLEROI, BELGIUM.

[The prices are for tons of 2,000 pounds of coal and coke loaded upon cars at the pits and ovens.]

Month.	Furnace coal.			Coking coal.			Coke.		
	1888.	1889.	1890.	1888.	1889.	1890.	1888.	1889.	1890.
January.....	\$1.479	\$1.530	\$1.894	\$1.327	\$1.670	\$2.512	\$2.003	\$2.498	\$4.206
February.....	1.481	1.543	1.950	1.341	1.656	2.665	2.012	2.498	4.489
March.....	1.441	1.532	2.059	1.402	1.609	2.850	2.020	2.498	4.741
April.....	1.495	1.569	2.213	1.451	1.603	3.257	2.049	2.527	4.955
May.....	1.530	1.546	2.225	1.546	1.725	3.468	2.159	2.541	5.183
June.....	1.500	1.551	.....	1.623	1.733	.....	2.220	2.591	.....
July.....	1.458	1.539	.....	1.662	1.712	.....	2.271	2.586	.....
August.....	1.481	1.604	.....	1.588	1.747	.....	2.287	2.593	.....
September.....	1.527	1.660	.....	1.614	1.714	.....	2.309	2.597	.....
October.....	1.541	1.721	.....	1.670	1.770	.....	2.343	2.688	.....
November.....	1.543	1.707	.....	1.648	1.767	.....	2.364	2.679	.....
December.....	1.486	1.808	.....	1.683	1.809	.....	2.378	2.835	.....





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## IRON ORE.

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## IRON ORE.

The titles of the table and sub-tables relating to the cost of production of iron ore are as follows:

TABLE X.—*Cost of Production of Iron Ore at Various Mines in Various States.*

- A.—Period covered and quantity of product.
- B.—Chemical analysis of iron ore(per cent.)
- C.—General statement of cost for the period.
- D.—Elements of cost in one ton of 2,240 pounds.
- E.—Per cent. of each element of cost in one ton of 2,240 pounds.
- F.—Additional cost of certain theoretical elements.
- G.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

In sub-table A the production for the period covered and the average production per day is shown, for most of the mines reported on, in tons of raw ore. For a few of the mines, however, the production is shown in tons of calcined ore, no information as to the quantity of raw ore produced having been obtained by the Department. The quantity of calcined ore produced in a mine during a certain period is, of course, less than the quantity of raw ore, as there is a loss in weight caused by roasting. In sub-table B showing the analyses of the ores produced by the different mines, the analyses are of raw ore or of calcined ore, in accordance with the way in which the production of the mine, to which each analysis applies, has been shown. None of these analyses show the full 100 per cent. of material in the ore, but the principal constituents of the ores are usually all shown, and the metallic iron contained therein always.

In sub-tables C, D, and E the item of fuel does not appear. The cost of fuel was not separately obtained by the agents of the Department, but where such a cost existed it is included in these tables in the cost of supplies. Some of the mines on the continent of Europe pay a royalty to the state. This royalty has not been separately shown, but being in the nature of a tax it has been included with the taxes.

In iron ore as in coal the cost of production necessarily depends largely upon natural conditions. Some ore is hard to mine, and hence not only the labor cost, but to a certain extent all of the other costs will be enhanced, for any difficulties which tend to lessen the quantity of production attainable tend consequently to increase the cost of production. It is in these natural conditions (which are but too faintly indicated by the tables) that the reader must mainly look for explanation of some of the great variations in cost.

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES IN VARIOUS STATES.**A.—PERIOD COVERED AND QUANTITY OF PRODUCT.**

Estab- lish- ment num- ber.	Locality.	Period covered.		Iron ore mined.		
		Terminal dates.	Days of run- ning time.	Character of ore.	Tons of 2,240 pounds.	
					Total.	Per day.
1	United States.....	Sept. 1, 1888, to Aug. 31, 1889	250	Hard and soft...	93,055	372
2	do .....	Jan. 1, 1889, to Dec. 31, 1889	300	Hard and soft...	19,066	64
3	do .....	Jan. 1, 1889, to Dec. 31, 1889	250	Medium .....	33,000	132
4	do .....	Feb. 1, 1889, to Jan. 31, 1890	240	Soft .....	89,826	374
5	do .....	Feb. 1, 1889, to Jan. 31, 1890	270	Hard and soft...	138,055	511
6	do .....	Mar. 1, 1889, to Feb. 28, 1890	200	Hard and soft...	63,788	319
7	do .....	May 1, 1889, to Feb. 28, 1890	160	Hard .....	32,226	201
8	do .....	Nov. 1, 1889, to Jan. 31, 1890	72	Hard .....	3,684	51
9	do .....	Jan. 1, 1890, to Jan. 31, 1890	25	Hard and soft...	3,915	157
10	do .....	Nov. 1, 1889, to Nov. 30, 1889	23	(a) .....	3,319	144
11	do .....	May 1, 1889, to Apr. 30, 1890	307	Hard .....	52,713	172
12	do .....	Dec. 1, 1888, to Nov. 30, 1889	301	Hard .....	69,030	229
13	do .....	Dec. 1, 1888, to Nov. 30, 1889	293	Soft .....	73,506	251
14	do .....	Dec. 1, 1888, to Nov. 30, 1889	270	Hard .....	12,360	46
15	do .....	Dec. 1, 1888, to Nov. 30, 1889	247	Soft .....	35,200	143
16	do .....	Dec. 1, 1888, to Nov. 30, 1889	253	Soft .....	17,297	68
17	do .....	Dec. 1, 1888, to Nov. 30, 1889	240	Soft .....	32,600	136
18	do .....	Dec. 1, 1888, to Nov. 30, 1889	266	Hard .....	114,579	431
19	do .....	Dec. 1, 1888, to Nov. 30, 1889	247	Soft .....	74,000	300
20	do .....	Jan. 1, 1889, to Dec. 31, 1889	306	Hard .....	215,098	703
21	do .....	Jan. 1, 1889, to Dec. 31, 1889	307	Soft .....	771,279	2,512
22	do .....	Jan. 1, 1889, to Dec. 31, 1889	303	Hard and soft ..	323,342	1,067
23	do .....	Jan. 1, 1889, to Dec. 31, 1889	301	Soft .....	10,660	35
24	do .....	Jan. 1, 1889, to Dec. 31, 1889	308	Soft .....	29,739	97
25	do .....	Jan. 1, 1889, to Dec. 31, 1889	301	Hard .....	20,032	67
26	do .....	Jan. 1, 1889, to Dec. 31, 1889	306	Hard and soft...	185,434	606
27	do .....	Jan. 1, 1889, to Dec. 31, 1889	313	Soft .....	50,290	160
28	do .....	Jan. 1, 1889, to Dec. 31, 1889	304	Medium .....	159,588	525
29	do .....	Jan. 1, 1889, to Dec. 31, 1889	306	Soft .....	550,972	1,801
30	do .....	Jan. 1, 1889, to Dec. 31, 1889	318	Soft .....	21,500	68
31	do .....	Jan. 1, 1889, to Dec. 31, 1889	300	Soft .....	b 116,000	387
32	do .....	Jan. 1, 1889, to Dec. 31, 1889	305	Hard .....	287,390	942
33	do .....	May 1, 1889, to Apr. 30, 1890	307	Hard and soft...	c 140,440	457
34	do .....	May 1, 1889, to Apr. 30, 1890	306	Hard and soft...	244,060	798
35	do .....	Oct. 1, 1889, to Mar. 31, 1890	152	Hard .....	18,980	125
36	do .....	Nov. 1, 1889, to Apr. 30, 1890	153	Soft .....	26,221	171
37	do .....	Nov. 1, 1889, to Apr. 30, 1890	153	Soft .....	53,315	348
38	do .....	Dec. 1, 1889, to Apr. 30, 1890	127	Soft .....	41,398	326
39	do .....	May 1, 1889, to Apr. 30, 1890	306	Hard .....	d 558,800	1,826
40	do .....	May 1, 1889, to Apr. 30, 1890	308	Hard and soft...	317,827	1,032
41	do .....	Jan. 1, 1888, to Dec. 31, 1888	290	Hard and soft...	45,440	157
42	do .....	Apr. 1, 1888, to Mar. 31, 1889	308	Hard and soft ..	117,403	381
43	do .....	May 1, 1888, to Apr. 30, 1889	302	Hard .....	40,000	132
44	do .....	May 1, 1888, to Jan. 8, 1889	217	Soft .....	2,070	10
45	do .....	June 1, 1888, to May 31, 1889	303	Soft .....	78,549	259
46	do .....	Jan. 1, 1889, to Dec. 31, 1889	313	Hard .....	145,215	464
47	do .....	Jan. 1, 1889, to Dec. 31, 1889	260	Hard .....	e 14,000	f 54
48	do .....	Jan. 1, 1889, to Dec. 31, 1889	234	Hard .....	f 12,200	f 52
49	do .....	Jan. 1, 1889, to Dec. 31, 1889	288	Hard .....	f 16,000	f 56
50	do .....	Jan. 1, 1889, to Dec. 31, 1889	275	Hard and soft ..	5,579	20
51	do .....	Apr. 1, 1889, to Dec. 28, 1889	208	Hard .....	8,217	40
52	do .....	Sept. 1, 1889, to Feb. 28, 1890	94	Hard .....	2,500	27
53	do .....	Oct. 1, 1889, to June 30, 1890	231	Hard .....	7,450	32
54	do .....	Apr. 1, 1889, to Mar. 31, 1890	290	Soft .....	10,348	36
55	do .....	Apr. 1, 1889, to Mar. 31, 1890	302	Hard .....	14,580	48
56	do .....	Jan. 1, 1888, to Dec. 31, 1888	300	Hard and soft ..	6,050	20
57	do .....	July 1, 1888, to June 29, 1889	237	Hard .....	10,572	45
58	do .....	Jan. 1, 1889, to Dec. 31, 1889	240	Soft .....	45,815	191
59	do .....	Jan. 1, 1889, to Dec. 31, 1889	302	Hard .....	7,624	25
60	do .....	Jan. 1, 1889, to Dec. 31, 1889	228	Hard .....	8,815	39
61	do .....	Jan. 1, 1889, to June 30, 1889	142	Hard and soft ..	2,810	20
62	do .....	May 1, 1889, to July 31, 1889	77	Hard .....	2,686	35
63	do .....	July 1, 1889, to Dec. 31, 1889	152	Soft .....	5,377	35

a Not reported.

b Bessemer, 8,800 tons; non-Bessemer, 107,200 tons.

c Bessemer, 65,000 tons; non-Bessemer, 75,440 tons.

d Bessemer, 298,314 tons; non-Bessemer, 260,486 tons.

e Calcined or roasted ore; equals 27,000 tons in the raw state.

f Calcined or roasted ore.



TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**A.—PERIOD COVERED AND QUANTITY OF PRODUCT—Concluded.**

Es- tab- lish- ment num- ber.	Locality.	Period covered.		Iron ore mined.		
		Terminal dates.	Days of run- ning time.	Character of ore.	Tons of 2,240 pounds.	
					Total.	Per day.
64	United States.....	Sept. 1, 1889, to Feb. 28, 1890	113	Hard .....	3, 850	34
65	do .....	Jan. 1, 1889, to Dec. 31, 1889	300	Hard and soft ..	29, 958	100
66	do .....	Feb. 1, 1889, to Jan. 31, 1890	310	Hard .....	123, 574	399
67	do .....	Jan. 1, 1888, to Dec. 31, 1888	310	Hard and soft ..	30, 250	98
68	do .....	Jan. 1, 1888, to Dec. 31, 1888	312	Hard and soft ..	63, 500	204
69	do .....	Jan. 1, 1888, to Dec. 31, 1888	240	Hard and soft ..	33, 546	140
70	do .....	July 1, 1888, to June 30, 1889	312	Soft .....	49, 460	159
71	do .....	Jan. 1, 1889, to Dec. 31, 1889	295	Soft .....	51, 551	175
72	do .....	Jan. 1, 1889, to Dec. 31, 1889	296	Medium .....	218, 738	739
73	Continent of Europe....	July 1, 1887, to June 30, 1888	(a)	Hard .....	44, 289	(a)
74	do .....	July 1, 1887, to June 30, 1888	(a)	Hard .....	4, 921	(a)
75	do .....	Apr. 1, 1888, to Mar. 31, 1889	298	Soft .....	31, 691	106
76	do .....	Jan. 1, 1889, to Dec. 31, 1889	296	Hard .....	35, 041	118
77	do .....	Jan. 1, 1889, to Dec. 31, 1889	300	Hard .....	1, 240	4
78	do .....	Jan. 1, 1889, to Dec. 31, 1889	290	Hard .....	93, 858	324
79	do .....	Jan. 1, 1889, to Dec. 31, 1889	290	Hard .....	b 26, 030	b 90
80	do .....	July 1, 1889, to Sept. 30, 1889	74	Hard .....	9, 858	133
81	do .....	June 1, 1887, to May 31, 1888	305	Soft .....	84, 857	278
82	do .....	June 1, 1887, to May 31, 1888	306	Soft .....	9, 107	30
83	do .....	June 1, 1887, to May 31, 1888	306	Soft .....	39, 883	130
84	do .....	June 1, 1887, to May 31, 1888	306	Soft .....	4, 434	14
85	do .....	June 1, 1887, to May 31, 1888	306	Soft .....	14, 104	46
86	do .....	July 1, 1887, to June 30, 1888	(a)	Hard .....	9, 842	(a)
87	do .....	July 1, 1887, to June 30, 1888	(a)	Hard .....	23, 621	(a)
88	do .....	July 1, 1887, to June 30, 1888	(a)	Hard .....	14, 763	(a)
89	do .....	Jan. 1, 1887, to Dec. 31, 1888	662	Hard .....	355, 298	537
90	do .....	Jan. 1, 1889, to Dec. 31, 1889	331	Hard and soft ..	63, 973	193
91	do .....	Jan. 1, 1889, to Dec. 31, 1889	300	Soft .....	245, 244	817
92	Great Britain .....	Jan'y 1, 1889, to Dec. 31, 1889	155	Hard .....	612, 104	3, 949

a Not reported.

b Calcined or roasted ore.

TABLE X.—COST OF PRODUCTION OF IRON ORE AT VARIOUS MINES IN VARIOUS STATES—Continued.

## B.—CHEMICAL ANALYSIS OF IRON ORE (PER CENT.)

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.]

Establishment number.	Kind of ore.	Iron.	Manganese.	Phosphorus.	Sulphur.	Silica.	Alumina.	Lime.
1	Red fossiliferous, hard.....	35.460	(a)	(a)	(a)	11.480	5.670	29.430
2	Red fossiliferous, soft.....	47.780	(a)	(a)	(a)	16.330	3.170	Trace.
3	Red fossiliferous.....	46.000	(a)	.160	(a)	28.220	(a)	(a)
4	Brown hematite.....	50.000	(a)	.052	(a)	(a)	(a)	(a)
5	Red hematite.....	50.980	(a)	(a)	(a)	18.030	(a)	(a)
6	Red hematite, hard.....	38.230	(a)	(a)	(a)	8.990	(a)	16.610
7	Red hematite, soft.....	51.180	(a)	(a)	(a)	13.420	(a)	(a)
8	Brown hematite.....	51.310	(a)	(a)	(a)	(a)	(a)	(a)
9	Brown hematite.....	47.500	(a)	.465	(a)	9.790	2.900	.360
10	Hematite.....	63.040	(a)	.550	(a)	13.000	(a)	(a)
11	Brown hematite.....	49.680	(a)	.260	(a)	5.730	(a)	(a)
12	Magnetite.....	65.500	(a)	.114	.030	17.310	(a)	(a)
13	Hematite.....	64.500	(a)	.030	(a)	4.570	(a)	(a)
14	Specular.....	63.000	(a)	.045	(a)	(a)	(a)	(a)
15	Hematite.....	63.000	(a)	.112	(a)	4.000	(a)	(a)
16	Hematite.....	61.000	(a)	.085	(a)	3.500	(a)	(a)
17	Hematite.....	55.000	(a)	.150	.350	5.000	(a)	(a)
18	Specular.....	58.000	(a)	.045		12.500	(a)	(a)
19	Red hematite.....	62.700	(a)	.109		6.000	(a)	(a)
20	Magnetite and specular.....	61.000	(a)	.055	(a)	3.450	(a)	(a)
21	Hematite.....	63.333	(a)	.040	(a)	4.000	(a)	(a)
22	Red specular, hard.....	63.293	(a)	.045	Trace.	3.167	(a)	(a)
23	Hematite, soft.....	63.000	(a)	.068	.050	4.427	(a)	(a)
24	Hematite.....	60.500	(a)	.089	.031	7.625	(a)	(a)
25	Red hematite.....	61.500	(a)	.060	(a)	3.500	(a)	(a)
26	Specular.....	60.000	(a)	.055		(a)	(a)	(a)
27	Hematite.....	65.000	(a)	.050	.500	.100	(a)	(a)
28	Hematite.....	58.610	(a)	.592	.012	6.250	(a)	(a)
29	Hematite.....	58.800	(a)	.188	.022	4.130	(a)	(a)
30	Hematite.....	60.600	(a)	.344	.360	8.690	(a)	(a)
31	Blue hematite.....	62.850	(a)	.054	.031	4.810	(a)	(a)
32	Hematite, non-Bessemer.....	65.000	(a)	.027	.035	3.920	(a)	(a)
33	Hematite, Bessemer.....	66.000	(a)	.090	(a)	3.000	(a)	(a)
34	Specular, number 1.....	67.000	(a)	.010	(a)	1.500	(a)	(a)
35	Specular, number 2.....	67.606	(a)	.042	(a)	1.500	(a)	(a)
36	Magnetite.....	63.520	(a)	.055	(a)	1.780	(a)	(a)
37	Red specular, Bessemer.....	69.770	(a)	.051	(a)	6.580	(a)	(a)
38	Red specular, non-Bessemer.....	65.000	(a)	.045	(a)	1.780	(a)	(a)
39	Specular, slate.....	62.000	(a)	.065	(a)	(a)	(a)	(a)
40	Hematite.....	62.667	(a)	.150	.010	(a)	(a)	(a)
41	Hematite.....	61.000	(a)	.068	(a)	3.700	(a)	(a)
42	Red hematite.....	52.180	(a)	.642	(a)	.045	(a)	(a)
43	Red hematite.....	62.330	(a)	.120	.049	4.060	(a)	(a)
44	Red hematite.....	62.600	(a)	.112	.061	6.800	(a)	(a)
45	Red semi-specular hematite, Bessemer.....	63.800	(a)	.100	.049	4.650	(a)	(a)
46	Red semi-specular hematite, Bessemer.....	67.700	(a)	.051	(a)	4.100	(a)	(a)
47	Red semi-specular hematite, non-Bessemer.....	67.430	(a)	.100	(a)	(a)	(a)	(a)
48	Hematite.....	65.000	(a)	.040	(a)	(a)	(a)	(a)
49	Hematite and specular.....	59.708	(a)	.086	(a)	4.000	(a)	(a)
50	Specular.....	65.000	(a)	.026	Trace.	6.690	(a)	(a)
51	Specular hematite.....	55.660	(a)	.115	.080	5.833	(a)	(a)
52	Fossiliferous hematite.....	44.400	.190	.530	.310	9.800	1.120	2.490
53	Fossiliferous hematite.....	42.520	(a)	.750	.270	13.090	5.990	5.850
54	Magnetite.....	64.500	(a)	.050	Trace.	14.940	4.800	6.220
55	Blackband (b).....	43.600	(a)	.174	.485	5.500	3.200	2.300
56	Blackband (b).....	45.000	(a)	.075	.410	22.750	(a)	(a)
57	Blackband (b).....	42.630	.290	.189	.316	10.000	(a)	(a)
58	Limonite (b).....	49.100	(a)	.430	(a)	24.750	10.750	1.700
59	Blackband.....	42.000	(a)	(a)	(a)	(a)	(a)	(a)
60	Blackband (b).....	47.000	(a)	.850	(a)	12.000	(a)	(a)
61	Limonite (b).....	48.500	(a)	.450	(a)	10.000	(a)	(a)
62	Limonite (b).....	47.500	(a)	.391	.444	(a)	(a)	(a)
63	Limonite (b).....	49.000	(a)	.400	.430	16.510	(a)	(a)
64	Red hematite.....	46.620	(a)	(a)	(a)	15.100	(a)	(a)
65	Carbonate.....	39.000	(a)	.130	(a)	(a)	(a)	(a)
66	Hematite.....	43.030	(a)	.250	(a)	11.000	(a)	(a)
						26.920	(a)	(a)

a Not reported.

b Calcined or roasted ore.

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES IN VARIOUS STATES—Continued.**B.—CHEMICAL ANALYSIS OF IRON ORE (PER CENT.)—Concluded.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.]

Es- tab- lish- ment num- ber.	Kind of ore.	Iron.	Manga- nese.	Phos- phorus.	Sul- phur.	Silica.	Alu- mina.	Lime.
59	Magnetite .....	48.000	(a)	(a)	Trace.	(a)	(a)	(a)
60	Magnetite .....	58.662	(a)	.034	2.180	7.488	(a)	(a)
61	Red hematite .....	42.000	(a)	(a)	(a)	(a)	(a)	(a)
62	Carbonate .....	32.500	(a)	.750	Trace.	17.500	(a)	(a)
63	Fossiliferous .....	47.000	(a)	.025	Trace.	9.000	(a)	(a)
64	Red hematite .....	43.000	(a)	(a)	(a)	20.000	(a)	(a)
65	Fossiliferous, hard .....	34.560	(a)	.375	(a)	5.960	(a)	37.850
65	Fossiliferous, soft .....	47.140	(a)	.480	(a)	12.980	(a)	(a)
66	Hematite .....	30.000	(a)	.400	(a)	10.000	(a)	18.000
67	Brown hematite .....	42.000	(a)	.013	.....	15.000	(a)	(a)
68	Brown hematite .....	48.090	(a)	.482	.....	15.160	2.810	.280
69	Brown hematite .....	40.003	(a)	.642	.079	2.597	(a)	(a)
70	Brown hematite .....	42.000	(a)	.003	.....	23.500	(a)	(a)
71	Red hematite, Bessemer .....	62.000	.137	.036	.061	5.880	2.090	.111
72	Hematite .....	60.500	(a)	.257	.009	3.700	(a)	(a)
73	(a) .....	49.000	.150	.750	.090	14.000	5.100	5.000
74	(a) .....	39.850	(a)	.625	(a)	19.200	5.250	3.600
75	(a) .....	40.000	3.000	.....	.....	12.000	(a)	(a)
76	Red iron ore .....	47.500	3.000	.010	(a)	16.000	(a)	(a)
76	Spathic .....	37.500	7.500	(a)	Trace.	(a)	(a)	(a)
77	Spathic .....	35.200	8.200	.010	(a)	7.600	(a)	(a)
78	Spathic .....	38.860	9.200	Trace.	.027	.224	(a)	.700
79	Spathic (b) .....	47.420	9.280	Trace.	.025	12.880	(a)	(a)
80	Spathic .....	35.000	7.500	(a)	c .125	9.000	(a)	(a)
81	(a, b) .....	63.630	(a)	.015	(a)	6.100	1.880	(a)
82	(a, b) .....	64.120	(a)	.010	(a)	5.600	1.800	(a)
83	(a, b) .....	64.120	(a)	.010	(a)	5.600	1.800	(a)
84	(a) .....	68.236	(a)	(a)	(a)	(a)	(a)	(a)
85	(a, b) .....	61.460	(a)	.020	(a)	8.000	2.000	(a)
86	(a) .....	38.350	.100	.780	.010	17.800	8.600	(a)
87	(a) .....	36.000	.150	.650	.010	8.500	4.600	(a)
88	(a) .....	42.000	.300	.600	.010	8.000	7.150	5.000
89	Brown hematite .....	52.000	(a)	Trace.	Trace.	9.500	(a)	(a)
90	Brown hematite .....	50.600	(a)	.024	.100	10.000	(a)	(a)
91	Limonite .....	49.000	(a)	Trace.	.100	3.500	(a)	(a)
92	Oolitic .....	31.000	(a)	1.000	.060	13.000	(a)	(a)

a Not reported.

b Calcined or roasted ore.

c Including copper.



## REPORT OF THE COMMISSIONER OF LABOR.

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**C.—GENERAL STATEMENT OF COST FOR THE PERIOD.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.—Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to owners of the soil are not included, but royalty to the state, when paid, is included under taxes].

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1	\$51,935	\$1,927	\$5,512	\$250	\$59,624
2	7,040	1,000	763	88	9,491
3	16,838	250	1,750	100	18,938
4	48,909	2,100	3,522	320	54,851
5	77,259	2,340	3,487	400	83,486
6	72,119	5,400	720	100	78,339
7	25,272	1,650	2,400	105	29,427
8	4,554	100	300		4,954
9	2,677		298		2,975
10	1,495	258	248	60	2,061
11	59,685	4,080	33,803	3,394	100,962
12	66,984	2,720	24,981	2,810	97,495
13	39,938	3,580	34,801	1,416	79,735
14	12,370	371	11,941	775	25,457
15	39,908	2,500	12,721	1,326	56,445
16	16,882	1,200	6,948	341	25,371
17	36,040	2,300	8,092	1,222	47,654
18	95,893	4,080	85,770	8,585	194,328
19	81,995	900	26,426	3,254	112,575
20	408,000	18,200	99,021	14,998	540,219
21	621,059	7,500	313,334	21,428	963,321
22	373,481	14,410	145,789	28,618	562,298
23	16,784	2,000	3,999	430	23,213
24	48,038	2,100	15,361	955	66,454
25	41,139	1,980	8,297	1,266	52,682
26	166,384	6,045	56,707	4,081	233,217
27	44,741	1,220	28,986	602	75,549
28	109,471	3,660	58,487	2,877	174,495
29	706,823	12,393	195,582	31,568	946,366
30	28,210	4,500	10,202	900	43,812
31	160,300	10,700	41,675	8,094	220,769
32	379,269	26,530	129,970	16,370	552,139
33	196,136	4,440	67,715	8,911	277,202
34	383,980	10,083	152,874	18,926	565,863
35	10,750	1,250	4,960	483	17,443
36	38,825	213	8,031	792	47,861
37	49,573	779	16,257	1,063	67,672
38	45,630	688	9,166	838	56,322
39	548,656	32,850	160,059	7,068	748,633
40	284,391	18,800	91,906	3,087	398,184
41	23,337	8,400	13,973	1,192	46,902
42	139,495	21,800	51,183	5,080	217,558
43	28,781	2,800	11,046	101	42,728
44	a 8,428	400	1,000		a 9,828
45	72,926	2,520	30,218		105,664
46	67,791	5,509	40,099	7,006	120,405
47	23,639	1,800	1,799	97	27,335
48	18,549	2,500	1,846	42	22,937
49	27,186	450	1,778	34	29,448
50	10,487	2,000	1,763	281	14,531
51	9,855	150	3,575		13,580
52	3,613		777	50	4,440
53	12,884	883	2,536	147	16,450
54	21,103	2,430	2,284	750	26,567
55	24,890	1,736	5,062	500	32,188
56	6,388	480	1,772	30	8,670
57	22,976	1,340	740		25,056
58	46,642	5,779	2,287	100	54,808
59	9,169	480	2,245	50	11,944
60	11,763	750	2,684	171	15,368
61	3,198	240	875	25	4,338
62	5,089	300	451		5,840
63	5,857	215	358	38	6,468
64	3,653	300	1,285	44	5,282
65	32,545		1,803	220	34,568
66	92,000	2,400	48,300	800	143,500
67	34,197	3,015	7,260	300	44,772
68	63,925	5,160	10,900	1,500	81,485
69	17,322	1,260	6,913		25,495
70	52,625	8,400	10,944	348	72,317

a The high labor cost is due to the recent opening of the mine.



TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**C.—GENERAL STATEMENT OF COST FOR THE PERIOD—Concluded.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.—Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
71 .....	\$101,781	\$5,444	\$51,021	\$254	\$158,500
72 .....	143,201	5,044	79,482	2,604	230,331
73 .....	(a)	(a)	(a)	(a)	(a)
74 .....	(a)	(a)	(a)	(a)	(a)
75 .....	19,017	1,377	5,434	257	26,085
76 .....	44,646	2,330	16,584	1,754	65,314
77 .....	2,403	190	179	107	2,879
78 .....	120,124	4,684	43,558	3,570	171,936
79 .....	42,008	632	12,503	1,318	56,461
80 .....	14,189	405	2,461	204	17,259
81 .....	37,784	b 15,401	5,133	c 81,506	c 139,824
82 .....	7,288	b 1,638	897	c 8,728	c 18,551
83 .....	22,767	b 7,232	2,383	c 38,335	c 70,717
84 .....	5,367	b 787	593	c 4,237	c 10,984
85 .....	13,073	b 2,559	1,614	c 13,542	c 30,788
86 .....	(a)	(a)	(a)	(a)	(a)
87 .....	(a)	(a)	(a)	(a)	(a)
88 .....	(a)	(a)	(a)	(a)	(a)
89 .....	133,570	4,080	28,880	c 4,513	c 171,043
90 .....	d 35,121	(d)	4,606	c 390	c 40,117
91 .....	d 63,518	(d)	17,412	c 3,738	c 84,668
92 .....	238,507	6,570	101,528	4,344	350,949

a Not reported.

b Including office supplies.

c Including royalty to state.

d The expenditures for officials and clerks are inseparably combined with those for labor.

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES IN VARIOUS STATES—Continued.**D.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain—Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1	\$0.558	\$0.021	\$0.059	\$0.003	\$0.641
2	.401	.052	.040	.005	.498
3	.510	.008	.053	.003	.574
4	.545	.023	.039	.004	.611
5	.560	.017	.025	.003	.605
6	1.131	.085	.011	.001	1.228
7	.784	.051	.075	.003	.913
8	1.236	.027	.082		1.345
9	.684		.076		.760
10	.450	.078	.075	.018	.621
11	1.132	.078	.641	.064	1.915
12	.970	.039	.362	.041	1.412
13	.543	.049	.474	.019	1.085
14	1.001	.030	.966	.063	2.060
15	1.136	.071	.361	.038	1.606
16	.976	.069	.402	.020	1.467
17	1.106	.071	.248	.037	1.462
18	.837	.036	.748	.075	1.696
19	1.108	.012	.357	.044	1.521
20	1.897	.085	.460	.070	2.512
21	.805	.010	.406	.028	1.249
22	1.155	.045	.451	.083	1.739
23	1.575	.188	.375	.040	2.178
24	1.615	.071	.517	.032	2.235
25	2.054	.099	.414	.063	2.630
26	.897	.033	.306	.022	1.258
27	.891	.024	.578	.012	1.505
28	.686	.023	.367	.018	1.094
29	1.283	.023	.355	.057	1.718
30	1.312	.209	.475	.042	2.038
31	1.382	.092	.359	.070	1.903
32	1.320	.092	.452	.057	1.921
33	1.397	.032	.482	.063	1.974
34	1.573	.041	.627	.078	2.319
35	.566	.066	.261	.026	.919
36	1.481	.008	.306	.030	1.825
37	.930	.014	.305	.020	1.269
38	1.102	.017	.221	.020	1.360
39	.982	.059	.286	.013	1.340
40	.895	.059	.289	.010	1.253
41	.514	.185	.307	.026	1.032
42	1.188	.186	.436	.043	1.853
43	.720	.070	.276	.002	1.068
44	<b>a 4.072</b>	.193	.483		<b>a 4.748</b>
45	.928	.032	.385		1.345
46	.467	.038	.276	.048	.829
47	1.688	.129	.128	.007	1.952
48	1.520	.205	.151	.004	1.880
49	1.699	.028	.111	.002	1.840
50	1.880	.359	.316	.050	2.605
51	1.200	.018	.435		1.653
52	1.445		.311	.020	1.776
53	1.729	.119	.340	.020	2.208
54	2.039	.235	.221	.072	2.567
55	1.707	.119	.347	.034	2.207
56	1.056	.079	.293	.005	1.433
57	2.173	.127	.070		2.370
58	1.018	.126	.050	.002	1.196
59	1.203	.063	.294	.007	1.567
60	1.334	.085	.305	.019	1.743
61	1.138	.085	.312	.009	1.544
62	1.894	.112	.168		2.174
63	1.089	.040	.067	.007	1.203
64	.949	.078	.334	.011	1.372
65	1.087		.060	.007	1.154
66	.745	.019	.391	.006	1.161
67	1.130	.100	.240	.010	1.480
68	1.007	.081	.172	.023	1.283
69	.516	.038	.206		.760
70	1.064	.170	.221	.007	1.462

*a* The high labor cost is due to the recent opening of the mine.

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**D.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS—Concluded.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.—Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to owners of the soil are not included, but royalty to the state, when paid, is included under taxes.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
71 .....	\$1.974	\$0.106	\$0.990	\$0.005	\$3.075
72 .....	.655	.023	.363	.012	1.053
73 .....	.845	.023	.375	<i>a</i> .173	<i>a</i> 1.416
74 .....	.296	.023	.045	<i>a</i> .088	<i>a</i> .452
75 .....	.600	.043	.172	.008	.823
76 .....	1.274	.067	.473	.050	1.864
77 .....	1.938	.153	.144	.086	2.321
78 .....	1.280	.050	.464	.038	1.832
79 .....	1.614	.024	.480	.051	2.169
80 .....	1.439	.041	.250	.021	1.751
81 .....	.445	<i>b</i> .182	.060	<i>a</i> .961	<i>a</i> 1.648
82 .....	.800	<i>b</i> .180	.099	<i>a</i> .958	<i>a</i> 2.037
83 .....	.571	<i>b</i> .181	.060	<i>a</i> .961	<i>a</i> 1.773
84 .....	1.210	<i>b</i> .177	.134	<i>a</i> .956	<i>a</i> 2.477
85 .....	.927	<i>b</i> .181	.114	<i>a</i> .960	<i>a</i> 2.182
86 .....	.180	.012	.023	<i>a</i> .059	<i>a</i> .274
87 .....	.346	.023	.057	<i>a</i> .142	<i>a</i> .568
88 .....	.487	.023	.059	<i>a</i> .059	<i>a</i> .628
89 .....	.376	.011	.081	<i>a</i> .013	<i>a</i> .481
90 .....	<i>c</i> .549	( <i>c</i> )	.072	<i>a</i> .006	<i>a</i> .627
91 .....	<i>c</i> .259	( <i>c</i> )	.071	<i>a</i> .015	<i>a</i> .345
92 .....	.389	.011	.166	.007	.573

*a* Including royalty to the state.

*b* Including office supplies.

*c* The expenditures for officials and clerks are inseparably combined with those for labor.

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**E.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.—This table is based on the preceding one and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1.....	87.05	3.28	9.20	.47	100
2.....	80.52	10.44	8.03	1.01	100
3.....	88.85	1.40	9.23	.52	100
4.....	89.20	3.76	6.38	.66	100
5.....	92.56	2.81	4.13	.50	100
6.....	92.10	6.92	.90	.08	100
7.....	85.87	5.59	8.21	.33	100
8.....	91.89	2.01	6.10	.....	100
9.....	90.00	.....	10.00	.....	100
10.....	72.46	12.56	12.08	2.90	100
11.....	59.11	4.08	33.47	3.34	100
12.....	68.70	2.76	25.64	2.90	100
13.....	50.04	4.52	43.69	1.75	100
14.....	48.59	1.46	46.89	3.06	100
15.....	70.73	4.42	22.48	2.37	100
16.....	66.53	4.71	27.40	1.36	100
17.....	75.65	4.86	16.96	2.53	100
18.....	49.35	2.12	44.11	4.42	100
19.....	72.85	.79	23.47	2.89	100
20.....	75.52	3.38	18.31	2.79	100
21.....	64.45	.80	32.51	2.24	100
22.....	66.42	2.59	25.93	5.06	100
23.....	72.31	8.63	17.22	1.84	100
24.....	72.26	3.18	23.13	1.43	100
25.....	78.10	3.76	15.74	2.40	100
26.....	71.30	2.62	24.33	1.75	100
27.....	59.20	1.59	38.41	.80	100
28.....	62.71	2.10	33.55	1.64	100
29.....	74.68	1.34	20.66	3.32	100
30.....	64.38	10.25	23.31	2.06	100
31.....	72.62	4.83	18.87	3.68	100
32.....	68.71	4.79	23.53	2.97	100
33.....	70.77	1.62	24.42	3.19	100
34.....	67.83	1.77	27.04	3.36	100
35.....	61.59	7.18	28.40	2.83	100
36.....	81.15	.44	16.77	1.64	100
37.....	73.29	1.10	24.03	1.58	100
38.....	81.03	1.25	16.25	1.47	100
39.....	73.29	4.40	21.34	.97	100
40.....	71.43	4.71	23.06	.80	100
41.....	49.80	17.93	29.75	2.52	100
42.....	64.11	10.04	23.53	2.32	100
43.....	67.42	6.55	25.84	.19	100
44.....	85.76	4.07	10.17	.....	100
45.....	69.00	2.38	28.62	.....	100
46.....	56.33	4.59	33.29	5.79	100
47.....	86.47	6.61	6.56	.36	100
48.....	80.85	10.91	8.03	.21	100
49.....	92.34	1.52	6.03	.11	100
50.....	72.17	13.78	12.13	1.92	100
51.....	72.59	1.09	26.32	.....	100
52.....	81.36	.....	17.51	1.13	100
53.....	78.31	5.39	15.40	.90	100
54.....	79.43	9.15	8.61	2.81	100
55.....	77.35	5.39	15.72	1.54	100
56.....	73.69	5.51	20.45	.35	100
57.....	91.69	5.36	2.95	.....	100
58.....	85.12	10.53	4.18	.17	100
59.....	76.77	4.02	18.76	.45	100
60.....	70.53	4.88	17.50	1.09	100
61.....	73.70	5.51	20.21	.58	100
62.....	87.12	5.15	7.73	.....	100
63.....	90.52	3.33	5.57	.58	100
64.....	69.17	5.69	24.34	.80	100
65.....	94.19	.....	5.20	.61	100
66.....	64.17	1.63	33.68	.52	100
67.....	76.35	6.76	16.22	.67	100
68.....	78.49	6.31	13.41	1.79	100
69.....	67.89	5.00	27.11	.....	100
70.....	72.78	11.63	15.11	.48	100
71.....	64.20	3.45	32.19	.16	100



TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**E.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS—Concluded.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.—This table is based on the preceding one and to avoid duplicating the notes, which would be the same in substance, they are here omitted, and the reader is referred to that table for such information as they furnish.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
72 .....	62.20	2.19	34.47	1.14	100
73 .....	59.68	1.62	26.48	12.22	100
74 .....	65.49	5.09	9.95	19.47	100
75 .....	72.90	5.23	20.90	.97	100
76 .....	68.35	3.59	25.38	2.68	100
77 .....	83.50	6.59	6.20	3.71	100
78 .....	69.87	2.73	25.33	2.07	100
79 .....	74.41	1.11	22.13	2.35	100
80 .....	82.18	2.34	14.28	1.20	100
81 .....	27.00	11.05	3.64	58.31	100
82 .....	39.27	8.84	4.86	47.03	100
83 .....	32.21	10.21	3.38	54.20	100
83 .....	48.85	7.15	5.41	38.59	100
85 .....	42.48	8.30	5.22	44.00	100
80 .....	65.69	4.38	8.40	21.53	100
87 .....	60.92	4.05	10.03	25.00	100
88 .....	77.55	3.66	9.40	9.39	100
89 .....	78.17	2.29	16.84	2.70	100
90 .....	87.56	-----	11.48	.96	100
91 .....	75.07	-----	20.58	4.35	100
92 .....	67.89	1.92	28.97	1.22	100

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**F.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.]

Establishment number.	Additional cost.				
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	Total.
1					
2					
3	\$50		\$1,000		\$1,000
4	50				50
5	75	(a)	1,528		1,578
6	106		309		6384
7	130		5,000		5,106
8			3,000		3,130
9					
10				\$404	404
11			100		100
12	877	\$7,843	6,740		15,460
13	251		5,522	17,258	23,031
14	575	2,350	658		3,583
15	300	729			1,029
16	197	5,179	1,011	13,553	19,940
17	33	721	641		1,395
18	275	2,740	2,269	13,040	18,324
19	689	5,572			6,261
20	499	285	1,711	29,600	32,095
21	2,950	21,510	15,057	86,039	125,556
22	2,476	11,604	46,277	261,843	322,200
23	1,746		72,814		74,560
24	172		533		705
25	150	3,447	446		4,043
26	180			9,511	9,691
27	670	15,750	12,980	55,630	85,030
28	300	500	2,560	12,550	15,910
29	650	1,068	12,763	63,815	78,296
30	2,014	140,000	52,424	220,389	414,827
31	550			10,750	11,300
32	1,944	1,340	10,000	34,800	48,084
33	3,449				3,449
34			9,831		9,831
35	720				720
36	87	2,450	949	4,745	8,231
37	262	7,630	2,622	8,391	18,905
38	533	8,400	5,331	21,326	35,590
39	414	6,271	4,140	13,247	24,072
40	1,500		116,913	195,580	313,993
41	2,780	6,356	14,714	101,836	125,686
42				22,731	22,731
43	80	14,225	464		14,769
44		315		345	660
45	400	7,000			7,400
46	2,500		22,413		24,913
47	185	555		500	1,240
48				1,830	1,830
49				1,280	1,280
50		500			500
51				4,109	4,109
52	(a)	175	(a)	500	e 675
53				1,860	1,860
54					
55					
56	18	599	605	1,756	2,978
57		(a)	(a)	1,586	d 1,588
58		1,500	1,000	16,755	19,255
59	50	(a)	762		b 812
60	2,000	2,000		3,085	7,085
61	40	600	281	703	1,624
62					
63	23	625			647
64	20	450	(a)	1,925	e 2,395
65	(a)		(a)	1,862	e 1,862

a Not reported.

b Not including interest

c Not including insurance and depreciation.

d Not including interest and depreciation.

e Not including depreciation.

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**F.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS—Concluded.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.]

Establishment number.	Additional cost.				
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	Total.
66		\$800	\$6,000		\$6,800
67	(a)				(a)
68			(a)		(a)
69		(a)	(a)	\$10,064	b 10,064
70					
71		7,010		25,776	32,786
72	\$863	22,750	13,124	13,124	49,861
73	(a)			(a)	(a)
74	(a)			(a)	(a)
75				4,975	4,975
76					
77					
78	70				70
79	40		3,045		3,085
80					
81	558	(a)	862		c 1,420
82	57	(a)	93		c 150
83	266	(a)	405		c 671
84	26	(a)	45		c 71
85	92	(a)	143		c 235
86	(a)				(a)
87	(a)				(a)
88	(a)				(a)
89				90,250	90,250
90				6,500	6,500
91					
92				73,074	73,074

a Not reported.

b Not including interest and depreciation.

c Not including interest.

TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Continued.**G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240  
POUNDS.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.]

Establishment number.	Additional cost per ton.				
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	Total.
1					
2			\$0.052		\$0.052
3	\$0.002				.002
4	.001		.017		.018
5	.001	(a)	.002		b .003
6	.002		.078		.080
7	.004		.093		.097
8					
9				\$0.103	.103
10			.030		.030
11	.017	\$0.149	.128		.294
12	.004		.080	.250	.334
13	.008	.032	.009		.049
14	.024	.059			.083
15	.006	.147	.029	.385	.567
16	.002	.042	.037		.081
17	.008	.084	.070	.400	.562
18	.006	.049			.055
19	.007	.004	.023	.400	.434
20	.014	.100	.070	.400	.584
21	.003	.015	.060	.340	.418
22	.005		.225		.230
23	.016		.050		.066
24	.005	.116	.015		.136
25	.009			.475	.484
26	.004	.085	.070	.300	.469
27	.006	.010	.051	.250	.317
28	.004	.007	.080	.400	.491
29	.004	.254	.095	.400	.753
30	.026			.500	.526
31	.017	.012	.086	.300	.415
32	.012				.012
33			.070		.070
34	.003				.003
35	.005	.129	.050	.250	.434
36	.010	.291	.100	.320	.721
37	.010	.158	.100	.400	.668
38	.010	.151	.100	.320	.581
39	.003		.209	.350	.562
40	.009	.020	.046	.320	.395
41				.500	.500
42					
43	.002	.356	.011		.369
44		.152		.167	.319
45	.005	.089			.094
46	.017		.154		.171
47	.013	.040		.036	.089
48				.150	.150
49				.080	.080
50		.090			.090
51				.500	.500
52	(a)	.070	(a)	.200	c .270
53				.250	.250
54					
55					
56	.003	.059	.100	.290	.492
57		(a)	(a)	.150	d .150
58		.033	.022	.365	.420
59	.007	(a)	.100		b .107
60	.227	.227		.350	.804
61	.014	.214	.100	.250	.578
62					
63	.004	.116	(a)		.120
64	.005	.117	(a)	.500	e .622
65			(a)	.062	e .062

a Not reported.

b Not including interest.

c Not including insurance and depreciation.

d Not including interest and depreciation.

e Not including depreciation.



TABLE X.—COST OF PRODUCTION OF **IRON ORE** AT VARIOUS MINES  
IN VARIOUS STATES—Concluded.**G.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240  
POUNDS.—Concluded.**

[Establishments numbers 1 to 72 are in the United States; numbers 73 to 91 are on the continent of Europe; and number 92 is in Great Britain.]

Establishment number.	Additional cost per ton.				
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	Total.
66		\$0.006	\$0.049		\$0.055
67	(a)				(a)
68			(a)		(a)
69		(a)	(a)	\$0.300	b .300
70					
71		.136		.500	.636
72	\$0.004	.104	.060	.060	.228
73	(a)			.019	c .019
74	(a)			(a)	(a)
75				.157	.157
76					
77					
78	.001				.001
79	.002		.117		.119
80					
81	.007	(a)	.010		d .017
82	.006	(a)	.010		d .016
83	.007	(a)	.010		d .017
84	.006	(a)	.010		d .016
85	.007	(a)	.010		d .017
86	(a)				(a)
87	(a)				(a)
88	(a)				(a)
89				.254	.254
90				.102	.102
91					
92				.119	.119

a Not reported.

b Not including interest and depreciation.

c Not including insurance.

d Not including interest.

Summaries of the preceding tables on iron ore now follow. These show that for the 72 establishments of the United States the average cost of one ton of ore is \$1.482, with a possible addition of 33 cents for theoretical elements; for the 12 establishments of the continent of Europe it is \$1.108, with an additional theoretical cost of 14.3 cents; and for the single establishment of Great Britain it is 57.3 cents, with an additional theoretical cost of 11.9 cents.

## SUMMARY OF COST OF IRON ORE IN SEVENTY-TWO ESTABLISHMENTS IN THE UNITED STATES.

[This summary is drawn from sub-tables A to G immediately preceding. The establishments covered are numbers 1 to 72, inclusive, being all the iron ore mines in the United States from which reports have been obtained. As may be seen, the periods covered are usually twelve months and are in the years 1888, 1889, and 1890.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 6,317,171.	Average cost of one.
Labor .....	\$6,565,418	\$1.039
Officials and clerks .....	311,082	.049
Supplies and repairs .....	2,264,320	.359
Taxes .....	219,665	.035
Total .....	9,360,485	1.482

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Forty-five establishments gave the amount paid for insurance. The aggregate of these makes the sum credited to this item below. Twenty-five reported that they had no insurance, and for two the agents of the Department failed to obtain a statement. Thirty-six establishments gave the amount paid for interest; the aggregate of these makes the sum below. Thirty-two reported that there was no expenditure for interest, and for four no statement was obtained. Thirty-eight establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Twenty-eight reported that nothing was charged to this item, and for six no statement was obtained. Thirty-eight gave the amount paid as royalty to the owners of the soil; the aggregate of these makes the sum below. Thirty-four reported that nothing was paid as royalty to the owners of the soil. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole seventy-two establishments.]

Insurance .....	\$33,832	\$0.006
Interest .....	310,849	.049
Depreciation of value of plant .....	454,492	.072
Royalty paid to owners of the soil .....	1,284,098	.203
Total .....	2,083,271	.330

## SUMMARY OF COST OF IRON ORE IN TWELVE ESTABLISHMENTS ON THE CONTINENT OF EUROPE.

[This summary is drawn from the preceding sub-tables A to G. The establishments covered are numbers 75 to 85, inclusive, and 89, being all the iron ore mines on the continent of Europe from which full reports were obtained. As may be seen, the periods covered are usually twelve months, and are in the years 1887, 1888, and 1889. The large cost of taxes reported for these twelve establishments is accounted for by the fact that in six of them an item of royalty paid to the state is included under the head of taxes. In the six establishments the total amount paid for taxes (including said royalty) is \$150,861, while in the six establishments in which such royalty is not paid the total amount is only \$7,210.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 705,401.	Average cost of one.
Labor .....	\$462,236	\$0.655
Officials and clerks .....	41,315	.059
Supplies and repairs .....	120,219	.170
Taxes .....	158,071	.224
Total .....	781,841	1.108

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[Seven establishments gave the amount paid for insurance; the aggregate of these makes the sum credited to this item below. Five reported that they had no insurance. Seven establishments reported that there was no expenditure for interest, and for five the agents of the Department failed to obtain a statement. Six establishments gave the amount charged to depreciation; the aggregate of these makes the sum below. Six reported that nothing was charged to this item. Two establishments gave the amount paid as royalty to the owners of the soil; the aggregate of these makes the sum below. Ten reported that nothing was paid as royalty to the owners of the soil. The aggregates entered in the first column below are, of course, apportioned in the second column among the whole twelve establishments.]

Insurance .....	\$1,109	\$0.002
Interest .....		
Depreciation of value of plant .....	4,593	.006
Royalty paid to owners of the soil .....	95,225	.135
Total .....	100,927	.143

## SUMMARY OF COST OF IRON ORE IN ONE ESTABLISHMENT IN GREAT BRITAIN.

[This summary is drawn is from the preceding sub-tables A to G. The establishment is number 92, being the only iron ore mine in Great Britain from which a report was obtained. As may be seen, the period covered is six months in the year 1889.]

Elements of cost.	Tons of 2,240 pounds.	
	Cost of 612,104.	Average cost of one.
Labor .....	\$238,507	\$0.389
Officials and clerks .....	6,570	.011
Supplies and repairs .....	101,528	.166
Taxes .....	4,344	.007
Total .....	350,949	.573

## SUMMARY OF COST OF THEORETICAL ELEMENTS IN THE ABOVE.

[This establishment reported that it had no insurance, that there was no expenditure for interest, and that nothing was charged to depreciation. It gave the amount paid as royalty to the owners of the soil, which is the sum credited to this item below.]

Insurance .....		
Interest .....		
Depreciation of value of plant .....		
Royalty paid to owners of the soil .....	\$73,074	\$0.119
Total .....	73,074	.119





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LIMESTONE.

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## LIMESTONE.

The titles of the table and sub-tables relating to the cost of production of limestone are as follows:

TABLE XI.—*Cost of Production of Limestone at Various Quarries in Various States.*

- A.—Period covered and quantity of product.
- B.—General statement of cost for the period.
- C.—Elements of cost in one ton of 2,240 pounds.
- D.—Per cent. of each element of cost in one ton of 2,240 pounds.
- E.—Additional cost of certain theoretical elements.
- F.—Additional cost of certain theoretical elements in one ton of 2,240 pounds.

The table requires no particular analysis, the statements being brought out with sufficient clearness; the general plan is the same as for the preceding industries. No complete analyses of the limestone were furnished, but the percentage of carbonate of lime has been reported generally. In a few of the smaller establishments no charge was reported for administration, the work being very slight, and probably performed by the foreman, whose wages were charged under labor.

TABLE XI.—COST OF PRODUCTION OF LIMESTONE AT VARIOUS QUARRIES IN VARIOUS STATES.

### A.—PERIOD COVERED AND QUANTITY OF PRODUCT.

Establishment number.	Locality.	Period covered.		Limestone quarried.		
		Terminal dates.	Days of running time.	Carbonate of lime (per cent.)	Tons of 2,240 pounds.	
					Total.	Per day.
1	United States.....	July 1, 1889, to Dec. 31, 1889	130	97.0	45,500	350
2	....do .....	Jan. 1, 1889, to Dec. 31, 1889	250	97.0	162,500	650
3	....do .....	Jan. 1, 1889, to Dec. 31, 1889	243	95.3	86,007	356
4	....do .....	Jan. 1, 1889, to Dec. 31, 1889	253	95.3	80,324	317
5	....do .....	Jan. 1, 1889, to Dec. 31, 1889	220	97.0	13,273	60
6	....do .....	Jan. 1, 1889, to Dec. 31, 1889	211	90.5	15,250	72
7	Great Britain.....	Mar. 23, 1889, to Sept. 28, 1889	(a)	(a)	21,344	(a)

a Not reported.

TABLE XI.—COST OF PRODUCTION OF Limestone AT VARIOUS QUARRIES IN VARIOUS STATES—Continued.

**B.—GENERAL STATEMENT OF COST FOR THE PERIOD.**

[Establishments numbers 1 to 6 are in the United States; number 7 is in Great Britain.—Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to the owners of the soil are not included.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1 .....	\$10,175	\$1,800	\$2,730	\$50	\$14,755
2 .....	38,125	5,200	8,113	500	51,938
3 .....	24,956	1,200	1,649	-----	27,805
4 .....	25,642	250	426	-----	26,318
5 .....	3,906	-----	742	25	4,673
6 .....	7,336	-----	875	25	8,236
7 .....	8,299	-----	821	-----	9,120

**C.—ELEMENTS OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 6 are in the United States; number 7 is in Great Britain.—Insurance, interest, depreciation of value of plant, charges for freight of product to place of free delivery, and royalty to the owners of the soil are not included.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1 .....	\$0.224	\$0.039	\$0.060	\$0.001	\$0.324
2 .....	.235	.032	.050	.003	.320
3 .....	.288	.014	.019	-----	.321
4 .....	.319	.003	.005	-----	.327
5 .....	.294	-----	.056	.002	.352
6 .....	.481	-----	.058	.001	.540
7 .....	.389	-----	.038	-----	.427

**D.—PER CENT. OF EACH ELEMENT OF COST IN ONE TON OF 2,240 POUNDS.**

[Establishments numbers 1 to 6 are in the United States; number 7 is in Great Britain.]

Establishment number.	Labor.	Officials and clerks.	Supplies and repairs.	Taxes.	Total.
1 .....	69.13	12.04	18.52	.31	100
2 .....	73.44	10.00	15.62	.94	100
3 .....	89.72	4.36	5.92	-----	100
4 .....	97.55	.92	1.53	-----	100
5 .....	83.52	-----	15.91	.57	100
6 .....	89.07	-----	10.74	.19	100
7 .....	91.10	-----	8.90	-----	100

**E.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS.**

[Establishments numbers 1 to 6 are in the United States; number 7 is in Great Britain.]

Establishment number	Additional cost.				Total.
	Insurance.	Interest.	Depreciation of value of plant.	Royalty to owners of soil.	
1 .....	-----	-----	-----	-----	-----
2 .....	-----	-----	-----	-----	-----
3 .....	-----	-----	-----	-----	-----
4 .....	-----	-----	-----	\$3,880	\$3,880
5 .....	-----	-----	-----	4,498	4,498
6 .....	-----	-----	-----	-----	-----
7 .....	-----	-----	-----	1,217	1,217



TABLE XI.—COST OF PRODUCTION OF LIMESTONE AT VARIOUS QUARRIES IN VARIOUS STATES—Concluded.

## F.—ADDITIONAL COST OF CERTAIN THEORETICAL ELEMENTS IN ONE TON OF 2,240 POUNDS.

[Establishments numbers 1 to 6 are in the United States; number 7 is in Great Britain.]

Establishment number.	Additional cost per ton.				
	Insurance.	Interest.	Deprecia- tion of value of plant.	Royalty to owners of soil.	Total.
1 .....					
2 .....					
3 .....				\$0.045	\$0.045
4 .....				.056	.056
5 .....					
6 .....					
7 .....				.057	.057

## FREIGHTS.

The following freight rates are for pig iron, steel, etc., from various points of production in the United States to points and ports of delivery, and from ports in Great Britain to various ports in the United States. These rates have been gathered from official sources, but to what extent, under particular circumstances, rebates or deductions are granted, or whether granted at all, the Department has no knowledge.

As an illustration of the practical working of freight rates with reference to steel rails, the statements of the manager of one of the largest steel companies in the United States may be quoted. He said that the difference in cost of production of steel rails in Chicago, for instance, and in England would not exceed \$3.50 or \$4 per ton, and that the freight rate (\$5 per ton) from Chicago to New York offered a large protection to his company. This manager also prepared the following statement, showing the cost of transportation of steel rails per ton of 2,240 pounds from New York to San Francisco by water:

Lighterage .....	\$0.50
Insurance .....	.45
Three months' interest .....	.45
Freight by water .....	10.00
Total .....	11.40

The total expenses, then, of transportation from New York to San Francisco is \$11.40, while the latest rate quoted in the table further along (for October 1, 1889) from Chicago to San Francisco is \$17.92. It has, the same manager states, always been cheaper to ship rails from Chicago to New York at \$5 per ton, and then ship them from there to San Francisco, than to ship them directly from Chicago to San Francisco; or, in other words, it is cheaper to ship from Chicago to San Francisco via New York than it is to ship direct. The same gentleman

also prepared the following statements, based upon market values of rails in November or December, 1890.

Price of English rails, per ton, without tariff:

At Liverpool.....	\$25.00
At New York .....	25.00
At Chicago .....	30.00
At San Francisco .....	25.00

Price of English rails, per ton, with tariff:

At New York .....	39.00
At Chicago .....	44.00
At San Francisco .....	39.00

Price of Chicago rails per ton:

At Chicago .....	30.00
At San Francisco .....	47.92

This gives English rails an advantage of \$8.92 over Chicago rails in the San Francisco market.

It was assumed by this manager, and he claimed to know, that during the greater part of the season ocean steamers and sailing vessels transport rails as ballast, free of charge, from Liverpool to New York or San Francisco. Others have often made this same statement, and it is given here for what it is worth.

In the following tables the lines by which shipments are made are given in the prefatory notes when known; when there is no statement the facts were not reported.

#### FREIGHT RATES FROM CHICAGO, ILLINOIS, TO POINTS SPECIFIED.

[The rates are by some one of the following lines: the Baltimore and Ohio railroad, the Chicago and Grand Trunk railway, the Illinois Central railroad, the Lake Shore and Michigan Southern railway, the Michigan Central railroad, the Pittsburgh, Cincinnati, Chicago and Saint Louis railway, the Pittsburgh, Fort Wayne and Chicago railway, the Union Pacific railway, the lines of the Chicago and Ohio river traffic association, the lines of the Joint Agents Texas traffic association, or by all lines.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland.....	Steel rails.....	January 1, 1888 .....	\$4.90
Do .....	Steel rails .....	January 9, 1888 .....	4.40
Do .....	Steel rails .....	March 5, 1888 .....	4.40
Do .....	Steel rails .....	July 6, 1888 .....	3.60
Do .....	Steel rails .....	July 30, 1888 .....	4.40
Do .....	Steel rails .....	August 16, 1888 .....	4.40
Do .....	Steel rails .....	September 16, 1888 .....	4.40
Do .....	Steel rails .....	January 1, 1889 .....	4.40
Do .....	Steel rails .....	January 24, 1889 .....	4.40
Do .....	Steel rails .....	June 20, 1889 .....	4.40
Do .....	Steel rails .....	July 8, 1889 .....	3.40
Do .....	Steel rails .....	September 1, 1889 .....	4.40
Do .....	Steel rails .....	September 16, 1889 .....	4.40
Boston, Massachusetts, and Port- land, Maine. }	Steel rails .....	January 1, 1888 .....	6.50
Do .....	Steel rails .....	January 9, 1888 .....	6.00
Do .....	Steel rails .....	March 5, 1888 .....	6.00
Do .....	Steel rails .....	July 6, 1888 .....	5.20
Do .....	Steel rails .....	July 30, 1888 .....	6.00
Do .....	Steel rails .....	August 16, 1888 .....	6.00
Do .....	Steel rails .....	September 16, 1888 .....	6.00
Do .....	Steel rails .....	January 1, 1889 .....	6.00
Do .....	Steel rails .....	January 24, 1889 .....	6.00
Do .....	Steel rails .....	June 20, 1889 .....	6.00
Do .....	Steel rails .....	July 8, 1889 .....	5.00
Do .....	Steel rails .....	September 1, 1889 .....	6.00
Do .....	Steel rails .....	September 16, 1889 .....	6.00

## FREIGHT RATES FROM CHICAGO, ILLINOIS, TO POINTS SPECIFIED—Continued.

[The rates are by some one of the following lines: the Baltimore and Ohio railroad, the Chicago and Grand Trunk railway, the Illinois Central railroad, the Lake Shore and Michigan Southern railway, the Michigan Central railroad, the Pittsburgh, Cincinnati, Chicago and Saint Louis railway, the Pittsburgh, Fort Wayne and Chicago railway, the Union Pacific railway, the lines of the Chicago and Ohio river traffic association, the lines of the Joint Agents Texas traffic association, or by all lines.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Cincinnati, Ohio.....	Steel rails .....	January 1, 1888 .....	\$3.00
Do .....	Steel rails .....	January 9, 1888 .....	2.40
Do .....	Steel rails .....	January 15, 1888 .....	1.75
Do .....	Steel rails .....	January 6, 1889 .....	2.40
Do .....	Steel rails .....	January 25, 1889 .....	1.25
Do .....	Steel rails .....	June 20, 1889 .....	1.55
Do .....	Steel rails .....	September 16, 1889 .....	1.70
East Saint Louis, Illinois.....	Steel rails .....	January 1, 1888 .....	1.60
Galveston, Texas.....	Steel rails .....	February 23, 1888 .....	6.79
Do .....	Steel rails .....	May 31, 1888 .....	7.02
Do .....	Steel rails .....	February 10, 1889 .....	6.73
Do .....	Steel rails .....	March 21, 1889 .....	6.71
Do .....	Steel rails .....	November 18, 1889 .....	6.00
Do .....	Steel rails .....	March 20, 1890 .....	7.07
Do .....	Steel rails .....	October 19, 1890 .....	6.00
Mobile, Alabama, and New Or- leans, Louisiana. }	Steel rails .....	January 1, 1888 .....	4.80
Do .....	Steel rails .....	June 27, 1889 .....	4.20
New York, New York.....	Steel rails .....	January 1, 1888 .....	5.50
Do .....	Steel rails .....	January 9, 1888 .....	5.00
Do .....	Steel rails .....	March 5, 1888 .....	5.00
Do .....	Steel rails .....	July 6, 1888 .....	4.20
Do .....	Steel rails .....	July 30, 1888 .....	5.00
Do .....	Steel rails .....	August 16, 1888 .....	5.00
Do .....	Steel rails .....	September 16, 1888 .....	5.00
Do .....	Steel rails .....	January 1, 1889 .....	5.00
Do .....	Steel rails .....	January 24, 1889 .....	5.00
Do .....	Steel rails .....	June 20, 1889 .....	5.00
Do .....	Steel rails .....	July 8, 1889 .....	4.00
Do .....	Steel rails .....	September 1, 1889 .....	5.00
Do .....	Steel rails .....	September 16, 1889 .....	5.00
Omaha, Nebraska.....	Steel rails .....	January 1, 1888 .....	3.00
Philadelphia, Pennsylvania.....	Steel rails .....	January 1, 1888 .....	5.10
Do .....	Steel rails .....	January 9, 1888 .....	4.60
Do .....	Steel rails .....	March 5, 1888 .....	4.60
Do .....	Steel rails .....	July 6, 1888 .....	3.80
Do .....	Steel rails .....	July 30, 1888 .....	4.60
Do .....	Steel rails .....	August 16, 1888 .....	4.60
Do .....	Steel rails .....	September 16, 1888 .....	4.60
Do .....	Steel rails .....	January 1, 1889 .....	4.60
Do .....	Steel rails .....	January 24, 1889 .....	4.60
Do .....	Steel rails .....	June 20, 1889 .....	4.60
Do .....	Steel rails .....	July 8, 1889 .....	3.60
Do .....	Steel rails .....	September 1, 1889 .....	4.60
Do .....	Steel rails .....	September 16, 1889 .....	4.60
Pittsburgh, Pennsylvania.....	Steel rails .....	January 1, 1888 .....	3.20
Do .....	Steel rails .....	January 9, 1888 .....	3.00
Do .....	Steel rails .....	March 5, 1888 .....	3.00
Do .....	Steel rails .....	July 6, 1888 .....	2.60
Do .....	Steel rails .....	July 11, 1888 .....	3.00
Do .....	Steel rails .....	July 30, 1888 .....	2.25
Do .....	Steel rails .....	August 16, 1888 .....	2.00
Do .....	Steel rails .....	September 16, 1888 .....	2.50
Do .....	Steel rails .....	January 1, 1889 .....	2.50 to 3.00
Do .....	Steel rails .....	January 24, 1889 .....	2.50 to 3.00
Do .....	Steel rails .....	June 20, 1889 .....	2.20
Do .....	Steel rails .....	July 8, 1889 .....	2.20
Do .....	Steel rails .....	September 1, 1889 .....	3.00
Do .....	Steel rails .....	September 2, 1889 .....	2.20
Do .....	Steel rails .....	September 16, 1889 .....	2.50
Do .....	Steel rails .....	March 6, 1888 .....	19.71
Portland, Oregon, and San Fran- cisco, California. }	Steel rails .....	September 1, 1888 .....	22.40
Do .....	Steel rails .....	January 1, 1889 .....	24.64
Do .....	Steel rails .....	October 1, 1889 .....	17.92

[These are rates stated by shippers as having been actually paid; the dates when or lines by which shipments were made were not reported.]

Baltimore, Maryland.....	Steel rails .....	.....	\$4.00
Boston, Massachusetts.....	Steel rails .....	.....	6.00
Charleston, South Carolina.....	Steel rails .....	.....	5.75
Cincinnati, Ohio.....	Steel rails .....	.....	1.75
Galveston, Texas.....	Steel rails .....	.....	6.00
Mobile, Alabama.....	Steel rails .....	.....	4.00
New Orleans, Louisiana.....	Steel rails .....	.....	4.00



## FREIGHT RATES FROM CHICAGO, ILLINOIS, TO POINTS SPECIFIED—Concluded.

[These are rates stated by shippers as having been actually paid; the dates when or lines by which shipments were made were not reported.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
New York, New York .....	Steel rails .....	.....	\$5.00
Omaha, Nebraska .....	Steel rails .....	.....	3.00
Philadelphia, Pennsylvania .....	Steel rails .....	.....	4.25
Pittsburgh, Pennsylvania .....	Steel rails .....	.....	2.75
Portland, Maine .....	Steel rails .....	.....	6.00
Portland, Oregon .....	Steel rails .....	.....	17.92
San Francisco, California .....	Steel rails .....	.....	17.92
Saint Louis, Missouri .....	Steel rails .....	.....	1.25
Savannah, Georgia .....	Steel rails .....	.....	5.75

## FREIGHT RATES FROM SCRANTON, PENNSYLVANIA, TO POINTS SPECIFIED.

[The rates are by some one of the following lines: the Central railroad of New Jersey, the Delaware, Lackawanna and Western railroad, or lines of the Transcontinental association.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Rails .....	April 12, 1889 .....	\$2.00
Chicago, Illinois .....	Rails .....	July 25, 1887 .....	4.00
Do .....	Steel rails .....	September 26, 1887 .....	4.00
Do .....	Rails .....	May 16, 1888 .....	4.50
Do .....	Rails .....	June 12, 1889 .....	3.61
Do .....	Steel rails .....	October 19, 1889 .....	3.60
Do .....	Steel rails .....	October 20, 1889 .....	3.61
Do .....	Steel rails .....	January 2, 1890 .....	3.60
Do .....	Steel rails .....	May 1, 1890 .....	4.00
Do .....	Steel rails .....	June 3, 1890 .....	3.55
Do .....	Steel rails .....	June 14, 1890 .....	3.65
Do .....	Steel rails .....	July 5, 1890 .....	3.60
Do .....	Steel rails .....	July 8, 1890 .....	3.60
Do .....	Steel rails .....	September 23, 1890 .....	3.75
Cincinnati, Ohio .....	Steel rails .....	September 3, 1889 .....	3.09
Do .....	Steel rails .....	January 15, 1890 .....	3.14
Do .....	Steel rails .....	April 26, 1890 .....	3.13
Do .....	Rails .....	May 1, 1890 .....	3.40
East Saint Louis, Illinois .....	Rails .....	June 12, 1889 .....	4.31
Do .....	Rails .....	May 1, 1890 .....	4.60
Galveston, Texas (a) .....	Rails .....	January 22, 1889 .....	1.60
New York, New York .....	Rails .....	May 12, 1887 .....	2.00
Do .....	Rails .....	September 15, 1887 .....	2.00
Do .....	Rails .....	January 20, 1888 .....	2.00
Philadelphia, Pennsylvania .....	Rails .....	August 22, 1887 .....	2.36
Do .....	Rails .....	March 8, 1888 .....	2.26
Do .....	Rails .....	April 16, 1889 .....	1.85
Portland, Oregon, and San Francisco, California. {	Pig iron .....	January 16, 1888 .....	24.64
Do .....	Pig iron .....	September 1, 1888 .....	22.40
Do .....	Pig iron .....	January 1, 1889 .....	26.88
Do .....	Pig iron .....	October 1, 1889 .....	26.88
Do .....	Pig iron .....	January 18, 1890 .....	26.88
Do .....	Steel rails .....	March 6, 1888 .....	24.64
Do .....	Steel rails .....	September 1, 1888 .....	22.40
Do .....	Steel rails .....	January 1, 1889 .....	20.16
Do .....	Steel rails .....	October 1, 1889 .....	20.16
Do .....	Steel rails .....	January 18, 1890 .....	20.16

a Via New York and water.



## FREIGHT RATES FROM PITTSBURGH, PENNSYLVANIA, TO POINTS SPECIFIED.

[The rates are by some one of the following lines: the Pennsylvania railroad, the Pittsburgh, Fort Wayne and Chicago railway, the Pittsburgh and Lake Erie railroad, the Pittsburgh, Cincinnati and Saint Louis railway, Gray's iron (steamboat) line, or the lines of the Transcontinental association.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Pig iron .....	January 1, 1888.....	\$2.40
Do .....	Pig iron .....	June 11, 1888.....	1.80
Do .....	Pig iron .....	January 1, 1889.....	2.40
Do .....	Pig iron .....	June 27, 1889.....	1.80
Do .....	Pig iron .....	September 2, 1889.....	2.40
Do .....	Pig iron .....	January 1, 1890.....	2.40
Boston, Massachusetts .....	Pig iron .....	January 1, 1888.....	3.60
Do .....	Pig iron .....	June 11, 1888.....	3.00
Do .....	Pig iron .....	August 4, 1888.....	3.20
Do .....	Pig iron .....	August 21, 1888.....	3.00
Do .....	Pig iron .....	October 17, 1888.....	3.40
Do .....	Pig iron .....	January 1, 1889.....	3.60
Do .....	Pig iron .....	June 27, 1889.....	3.00
Do .....	Pig iron .....	September 2, 1889.....	3.60
Do .....	Pig iron .....	January 11, 1890.....	3.60
Cairo, Illinois .....	Rails .....	February 28, 1888.....	<sup>a</sup> 4.20
Do .....	Rails .....	March 1, 1889.....	<sup>a</sup> 4.40
Chicago, Illinois .....	Pig iron .....	January 4, 1889.....	2.50
Do .....	Pig iron .....	May 1, 1889.....	2.50
Do .....	Pig iron .....	September 16, 1889.....	2.50
Do .....	Pig iron .....	September 24, 1889.....	2.50
Do .....	Pig iron .....	November 18, 1889.....	2.50
Do .....	Pig iron .....	July 11, 1890.....	2.50
Do .....	Steel rails .....	May 15, 1889.....	2.40
Do .....	Steel rails .....	June 8, 1889.....	2.20
Do .....	Steel rails .....	September 16, 1889.....	2.40
Do .....	Steel rails .....	January 1, 1890.....	2.75
Do .....	Steel rails .....	June 1, 1890.....	2.75
Cincinnati, Ohio .....	Pig iron .....	September 24, 1889.....	2.00
Do .....	Pig iron .....	November 18, 1889.....	2.00
Do .....	Steel rails .....	June 11, 1889.....	1.60
Do .....	Steel rails .....	May 15, 1889.....	1.62
Do .....	Steel rails .....	September 16, 1889.....	1.62
Do .....	Steel rails .....	January 1, 1890.....	<sup>b</sup> 1.80
East Saint Louis, Illinois .....	Pig iron .....	September 24, 1889.....	3.00
Do .....	Pig iron .....	November 18, 1889.....	3.00
Do .....	Steel rails .....	June 8, 1889.....	2.70
Do .....	Steel rails .....	September 16, 1889.....	3.11
Do .....	Steel rails .....	January 1, 1890.....	3.50
Mobile, Alabama .....	Rails .....	January 1, 1888.....	7.80
New Orleans, Louisiana .....	Rails .....	January 1, 1888.....	7.80
Do .....	Rails .....	1888.....	3.25
Do .....	Rails .....	January 28, 1889.....	8.20
Do .....	Rails .....	1889.....	3.25
Do .....	Rails .....	1890.....	4.00
New York, New York .....	Pig iron .....	January 1, 1888.....	3.00
Do .....	Pig iron .....	June 11, 1888.....	2.40
Do .....	Pig iron .....	January 1, 1889.....	3.00
Do .....	Pig iron .....	June 27, 1889.....	2.40
Do .....	Pig iron .....	September 2, 1889.....	3.00
Do .....	Pig iron .....	January 1, 1890.....	3.00
Philadelphia, Pennsylvania .....	Pig iron .....	January 1, 1888.....	2.60
Do .....	Pig iron .....	June 11, 1888.....	2.00
Do .....	Pig iron .....	January 1, 1889.....	2.60
Do .....	Pig iron .....	June 27, 1889.....	2.00
Do .....	Pig iron .....	September 2, 1889.....	2.60
Do .....	Pig iron .....	January 1, 1890.....	2.60
Portland, Maine .....	Pig iron .....	January 1, 1888.....	3.60
Do .....	Pig iron .....	June 11, 1888.....	3.00
Do .....	Pig iron .....	August 4, 1888.....	3.20
Do .....	Pig iron .....	August 21, 1888.....	3.00
Do .....	Pig iron .....	October 17, 1888.....	3.40
Do .....	Pig iron .....	January 1, 1889.....	3.60
Do .....	Pig iron .....	June 27, 1889.....	3.00
Do .....	Pig iron .....	July 11, 1889.....	3.60
Do .....	Pig iron .....	July 22, 1889.....	3.00
Do .....	Pig iron .....	September 2, 1889.....	3.60
Do .....	Pig iron .....	January 1, 1890.....	3.60
Portland, Oregon, and San Fran- cisco, California. ....	Pig iron .....	January 16, 1888.....	22.18
Do .....	Pig iron .....	March 6, 1888.....	22.18
Do .....	Pig iron .....	September 1, 1888.....	22.40
Do .....	Pig iron .....	January 1, 1889.....	25.76
Do .....	Pig iron .....	October 1, 1889.....	25.76

<sup>a</sup> On shipments for Galveston, Texas.

<sup>b</sup> By Pittsburgh and Lake Erie railroad, to apply on shipments for points beyond Cincinnati, Ohio.

## FREIGHT RATES FROM PITTSBURGH, PENNSYLVANIA, TO POINTS SPECIFIED—Concluded.

[The rates are by some one of the following lines: the Pennsylvania railroad, the Pittsburgh, Fort Wayne and Chicago railway, the Pittsburgh and Lake Erie railroad, the Pittsburgh, Cincinnati and Saint Louis railway, Gray's iron (steamboat) line, or the lines of the Transcontinental association.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Portland, Oregon, and San Francisco, California.	Pig iron .....	June 18, 1890 .....	\$25. 76
Do .....	Steel rails .....	January 16, 1888 ..	22. 18
Do .....	Steel rails .....	March 6, 1888 .....	22. 18
Do .....	Steel rails .....	September 1, 1888 ..	22. 40
Do .....	Steel rails .....	January 1, 1889 .....	19. 04
Do .....	Steel rails .....	October 1, 1889 .....	19. 04
Do .....	Steel rails .....	June 18, 1890 .....	19. 04
Savannah, Georgia (a) .....	Steel rails .....	January 1, 1889 .....	4. 40

a Via sea from Baltimore, Maryland.

## FREIGHT RATES FROM BESSEMER, PENNSYLVANIA, TO POINTS SPECIFIED.

[The rates are by the Pennsylvania railroad.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Steel rails .....	January 1, 1889 .....	\$1. 59
Do .....	Steel rails .....	January 1, 1890 .....	1. 59
Boston, Massachusetts .....	Steel rails .....	January 1, 1889 .....	3. 60
Do .....	Steel rails .....	August 2, 1889 .....	3. 20
Do .....	Steel rails .....	October 9, 1889 .....	3. 60
Do .....	Steel rails .....	January 1, 1890 .....	3. 60
Do .....	Steel rails .....	June 27, 1890 .....	3. 00
Do .....	Steel rails .....	September 2, 1890 ..	3. 60
Jersey City, New Jersey .....	Steel rails .....	January 1, 1889 .....	2. 17
Do .....	Steel rails .....	January 1, 1890 .....	2. 17
Philadelphia, Pennsylvania .....	Steel rails .....	January 1, 1889 .....	1. 79
Do .....	Steel rails .....	January 1, 1890 .....	1. 79
Portland, Maine .....	Steel rails .....	January 1, 1889 .....	3. 60
Do .....	Steel rails .....	August 6, 1889 .....	3. 20
Do .....	Steel rails .....	October 9, 1889 .....	3. 60
Do .....	Steel rails .....	January 1, 1890 .....	3. 60
Do .....	Steel rails .....	June 27, 1890 .....	3. 00
Do .....	Steel rails .....	July 11, 1890 .....	3. 60
Do .....	Steel rails .....	July 22, 1890 .....	3. 00
Do .....	Steel rails .....	September 2, 1890 ..	3. 60

## FREIGHT RATES FROM BIRMINGHAM, ALABAMA, TO POINTS SPECIFIED.

[These are rates stated by shippers as having been actually paid; the dates when or lines by which shipments were made were not reported.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Pig iron .....	.....	\$4. 11
Boston, Massachusetts .....	Pig iron .....	.....	4. 61
Charleston, South Carolina .....	Pig iron .....	.....	2. 90
Chicago, Illinois .....	Pig iron .....	.....	4. 00
Cincinnati, Ohio .....	Pig iron .....	.....	2. 75
Galveston, Texas .....	Pig iron .....	.....	7. 47
Mobile, Alabama .....	Pig iron .....	.....	2. 50
New Orleans, Louisiana .....	Pig iron .....	.....	2. 50
New York, New York .....	Pig iron .....	.....	4. 26
Omaha, Nebraska .....	Pig iron .....	.....	5. 49
Philadelphia, Pennsylvania .....	Pig iron .....	.....	4. 26
Pittsburgh, Pennsylvania .....	Pig iron .....	.....	4. 40
Portland, Oregon .....	Pig iron .....	.....	11. 15
Savannah, Georgia .....	Pig iron .....	.....	2. 90
Saint Louis, Missouri .....	Pig iron .....	.....	3. 25

## FREIGHT RATES FROM NEWPORT, ENGLAND, CARDIFF, WALES, AND SWANSEA, WALES, TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
New Orleans, Louisiana.....	Iron .....	January, 1888 .....	\$2. 19
Do.....	Iron .....	May, 1889 .....	2. 92
New York, New York.....	Iron .....	January, 1888 .....	2. 01

## FREIGHT RATES FROM LONDON, ENGLAND, TO POINTS SPECIFIED.

[The rates are by the steamships of the Atlantic transport company.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Steel rails.....	June, 1890 .....	\$1. 46
Philadelphia, Pennsylvania .....	Steel rails.....	January, 1890 .....	1. 70

## FREIGHT RATES FROM SWANSEA, WALES, TO POINTS SPECIFIED.

[The rates are by the steamships of the Atlantic transport company.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Tin plate .....	January 1, 1888 ...	\$3. 16
Do .....	Tin plate .....	May 1, 1889 .....	3. 41
Do .....	Tin plate .....	May 1, 1890 .....	3. 41
New York, New York.....	Tin plate .....	January, 1890 .....	2. 19
Philadelphia, Pennsylvania .....	Tin plate .....	January, 1888 .....	3. 89
Do .....	Tin plate .....	May, 1888 .....	3. 65
Do .....	Tin plate .....	January, 1890 .....	3. 89

## FREIGHT RATES FROM BARRON, ENGLAND, TO POINT SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	1890.....	\$2. 19

## FREIGHT RATES FROM HULL, MIDDLESBOROUGH, AND NEWCASTLE-UPON-TYNE, ENGLAND, TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
New York, New York.....	Alkali .....	January, 1888.....	\$2. 68
Do .....	Alkali .....	June, 1888 .....	3. 61
Do .....	Alkali .....	November, 1888...	3. 89
Do .....	Alkali .....	January, 1889 .....	2. 92
Do .....	Alkali .....	March, 1889 .....	3. 04
Do .....	Alkali .....	August, 1889 .....	3. 16
Do .....	Alkali .....	December, 1889 .....	3. 19
Do .....	Alkali .....	January, 1890 .....	2. 30
Do .....	Alkali .....	March, 1890 .....	2. 68
Do .....	Alkali .....	June, 1890 .....	3. 04
Do .....	Ferro-manganese .....	January, 1888 .....	2. 19
Do .....	Ferro-manganese .....	November, 1888...	2. 80
Do .....	Ferro-manganese .....	December, 1888 .....	3. 41
Do .....	Spiegeleisen .....	March, 1889 .....	2. 55
Do .....	Spiegeleisen .....	June, 1889 .....	2. 07
Do .....	Spiegeleisen .....	November, 1889 .....	2. 25
Do .....	Spiegeleisen .....	January, 1890 .....	2. 25
New Orleans, Louisiana.....	Spiegeleisen .....	March, 1888 .....	3. 89



## FREIGHT RATES FROM LIVERPOOL, ENGLAND, TO POINTS SPECIFIED.

[The rates are by some one of the following lines, or by lines of steam or sailing ships the names of which were not reported: the Inman line, the White Star line, the American line, or the Cunard steamship company.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
New York, New York.....	Pig iron.....	January 7, 1888...	\$1.82
Do.....	Pig iron.....	August 15, 1888...	1.52
Do.....	Pig iron.....	August 22, 1888...	1.82
Do.....	Pig iron.....	September 12, 1888...	2.43
Do.....	Pig iron.....	August 20, 1890...	1.82
Do.....	Pig iron.....	October 8, 1890...	2.43
Do.....	Pig iron.....	January, 1888...	1.28
Do.....	Pig iron.....	February, 1888...	1.22
Do.....	Pig iron.....	July, 1888...	1.03
Do.....	Pig iron.....	October, 1888...	1.46
Do.....	Pig iron.....	November, 1888...	1.22
Do.....	Pig iron.....	January, 1889...	1.10
Do.....	Spiegeleisen.....	February, 1889...	.97
Do.....	Spiegeleisen.....	March, 1889...	.97
Do.....	Pig iron.....	1888, '89, and '90...	1.22
Do.....	Steel rails.....	1888, '89, and '90...	1.22
Do.....	Tin plate.....	1888, '89, and '90...	2.01
Do.....	Cotton ties.....	1888, '89, and '90...	1.70
Do.....	Spiegeleisen.....	1888, '89, and '90...	1.22
Do.....	Bar iron and steel.....	1888, '89, and '90...	2.43
Do.....	Steel rails.....	1888, '89, and '90...	1.70
Do.....	Tin plate.....	1888...	1.91
Do.....	Tin plate.....	1889 and 1890...	1.46
Do.....	Cotton ties.....	June, 1888...	1.70
Do.....	Cotton ties.....	July, 1888...	1.70
Do.....	Cotton ties.....	August, 1888...	1.83
Do.....	Cotton ties.....	September, 1888...	1.83 to 2.01
Do.....	Cotton ties.....	October, 1888...	2.01
Do.....	Cotton ties.....	July, 1889...	1.22
Do.....	Cotton ties.....	August, 1889...	1.22
Do.....	Cotton ties.....	June, 1890...	1.83
Do.....	Hoop iron.....	May, 1888...	1.70
Do.....	Hoop iron.....	July, 1888...	1.70
Do.....	Bar iron.....	November, 1888...	2.68
Do.....	Hoop iron.....	December, 1888...	1.83
Do.....	Hoop iron.....	January, 1889...	1.83
Do.....	Hoop iron.....	February, 1889...	1.83
Do.....	Hoop iron.....	March, 1889...	1.83
Do.....	Hoop iron.....	April, 1889...	1.83 to 1.58
Do.....	Hoop iron.....	May, 1889...	1.58
Do.....	Bar iron.....	July, 1889...	2.01
Do.....	Hoop, sheet, and bar iron.....	May, 1890...	2.01 to 1.83
Do.....	Hoop, sheet, and bar iron.....	June, 1890...	2.68
Do.....	Tin plate.....	January, 1888...	2.01
Do.....	Tin plate.....	February, 1888...	2.01
Do.....	Tin plate.....	March, 1888...	2.01
Do.....	Tin plate.....	April, 1888...	2.01
Do.....	Tin plate.....	May, 1888...	1.83
Do.....	Tin plate.....	June, 1888...	1.83
Do.....	Tin plate.....	July, 1888...	1.83
Do.....	Tin plate.....	August, 1888...	1.83 to 2.01
Do.....	Tin plate.....	September, 1888...	2.01
Do.....	Tin plate.....	October, 1888...	2.01
Do.....	Tin plate.....	November, 1888...	1.83 to 2.01
Do.....	Tin plate.....	December, 1888...	1.83, 1.58, and 1.34
Do.....	Tin plate.....	January, 1889...	1.46 to 1.34
Do.....	Tin plate.....	February, 1889...	1.22
Do.....	Tin plate.....	March, 1889...	1.22
Do.....	Tin plate.....	April, 1889...	1.22
Do.....	Tin plate.....	May, 1889...	1.22
Do.....	Tin plate.....	June, 1889...	1.22 to 2.01
Do.....	Tin plate.....	July, 1889...	1.34 to 1.22
Do.....	Tin plate.....	August, 1889...	1.22
Do.....	Tin plate.....	September, 1889...	1.58, 1.46, and 1.34
Do.....	Tin plate.....	October, 1889...	1.58 to 1.46
Do.....	Tin plate.....	November, 1889...	1.46
Do.....	Tin plate.....	December, 1889...	1.46
Do.....	Tin plate.....	January, 1890...	1.46 to 1.22
Do.....	Tin plate.....	February, 1890...	1.22 to 1.34
Do.....	Tin plate.....	March, 1890...	1.22, 1.34, and 2.01
Do.....	Tin plate.....	April, 1890...	2.01 to 1.83
Do.....	Tin plate.....	May, 1890...	1.46 to 1.58
Do.....	Tin plate.....	June, 1890...	2.01, 1.70, and 1.46
Do.....	Pig iron and spiegeleisen.....	January, 1888...	.97
Do.....	Pig iron and spiegeleisen.....	February, 1888...	1.22
Do.....	Pig iron and spiegeleisen.....	March, 1888...	1.22
Do.....	Pig iron and spiegeleisen.....	April, 1888...	1.22
Do.....	Pig iron and spiegeleisen.....	May, 1888...	1.34



## FREIGHT RATES FROM LIVERPOOL, ENGLAND, TO POINTS SPECIFIED—Continued.

[The rates are by some one of the following lines, or by lines of steam or sailing ships the names of which were not reported: the Inman line, the White Star line, the American line, or the Cunard steamship company.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
New York, New York.....	Pig iron and spiegeleisen...	July, 1888.....	\$0.97
Do.....	Pig iron and spiegeleisen...	August, 1888.....	1.46
Do.....	Pig iron and spiegeleisen...	October, 1888.....	1.46 to 1.34
Do.....	Pig iron and spiegeleisen...	November, 1888.....	1.22
Do.....	Pig iron and spiegeleisen...	February, 1889.....	.97
Do.....	Pig iron and spiegeleisen...	March, 1889.....	1.22
Do.....	Pig iron and spiegeleisen...	April, 1889.....	.97
Do.....	Pig iron and spiegeleisen...	May, 1889.....	.97
Do.....	Pig iron and spiegeleisen...	June, 1889.....	.97
Do.....	Pig iron and spiegeleisen...	July, 1889.....	1.22 to .97
Do.....	Pig iron and spiegeleisen...	August, 1889.....	1.22 to 1.10
Do.....	Pig iron and spiegeleisen...	September, 1889.....	0.97, 1.10, and 1.22
Do.....	Pig iron and spiegeleisen...	October, 1889.....	1.22 to 1.10
Do.....	Pig iron and spiegeleisen...	November, 1889.....	1.10
Do.....	Pig iron and spiegeleisen...	December, 1889.....	1.10
Do.....	Pig iron and spiegeleisen...	January, 1890.....	1.10 to 1.22
Do.....	Pig iron and spiegeleisen...	February, 1890.....	1.10
Do.....	Pig iron and spiegeleisen...	March, 1890.....	1.10
Do.....	Pig iron and spiegeleisen...	April, 1890.....	1.46
Do.....	Pig iron and spiegeleisen...	May, 1890.....	1.22
Do.....	Pig iron and spiegeleisen...	June, 1890.....	1.22 to 1.10
Boston, Massachusetts.....	Pig iron.....	February, 1888.....	.87
Do.....	Pig iron.....	July, 1888.....	1.46
Do.....	Steel blooms and slabs.....	September, 1888.....	.97
Do.....	Tin plate.....	1888.....	1.34 to 1.46
Do.....	Tin plate.....	1889.....	1.34 to 1.46
Do.....	Tin plate.....	1890.....	1.22 to 1.34
Do.....	Pig iron and spiegeleisen...	February, 1888.....	.85
Do.....	Pig iron and spiegeleisen...	March, 1888.....	.85
Do.....	Pig iron and spiegeleisen...	April, 1888.....	.85
Do.....	Pig iron and spiegeleisen...	May, 1888.....	.85
Do.....	Pig iron and spiegeleisen...	November, 1888.....	.73
Do.....	Pig iron and spiegeleisen...	January, 1889.....	.97
Do.....	Pig iron and spiegeleisen...	February, 1889.....	.97
Do.....	Pig iron and spiegeleisen...	August, 1889.....	.73 to .61
Do.....	Pig iron and spiegeleisen...	September, 1889.....	.49
Do.....	Pig iron and spiegeleisen...	December, 1889.....	1.10
Do.....	Pig iron and spiegeleisen...	January, 1890.....	1.10
Do.....	Pig iron and spiegeleisen...	April, 1890.....	1.10
Do.....	Pig iron and spiegeleisen...	May, 1890.....	.73
Do.....	Hoop, sheet, and bar iron...	January, 1888.....	1.83
Do.....	Hoop, sheet, and bar iron...	November, 1888.....	1.83 to 1.70
Do.....	Hoop, sheet, and bar iron...	December, 1888.....	1.83
Do.....	Hoop, sheet, and bar iron...	January, 1889.....	2.01
Do.....	Hoop, sheet, and bar iron...	February, 1889.....	2.01
Do.....	Hoop, sheet, and bar iron...	March, 1889.....	1.83
Do.....	Hoop, sheet, and bar iron...	April, 1889.....	1.70
Do.....	Hoop, sheet, and bar iron...	May, 1889.....	1.70
Do.....	Hoop, sheet, and bar iron...	June, 1889.....	1.58
Do.....	Hoop, sheet, and bar iron...	September, 1889.....	1.58
Do.....	Hoop, sheet, and bar iron...	October, 1889.....	1.46
Do.....	Hoop, sheet, and bar iron...	November, 1889.....	1.46
Do.....	Hoop, sheet, and bar iron...	January, 1890.....	1.46
Do.....	Hoop, sheet, and bar iron...	February, 1890.....	1.46
Do.....	Hoop, sheet, and bar iron...	April, 1890.....	2.01
Baltimore, Maryland.....	Spiegeleisen.....	May, 1889.....	1.52
Do.....	Spiegeleisen.....	June, 1889.....	1.52
Do.....	Pig iron.....	1888, '89, and '90.....	1.22
Do.....	Iron ore.....	1888 and 1889.....	1.70
Do.....	Iron ore.....	1890.....	1.22
Do.....	Tin plate.....	1888, '89, and '90.....	1.46
New Orleans, Louisiana.....	Pig iron.....	March, 1889.....	1.83
Do.....	Pig iron.....	1888, '89, and '90.....	1.70
Do.....	Cotton ties.....	April, 1888.....	3.04
Do.....	Cotton ties.....	October, 1888.....	2.43
Do.....	Cotton ties.....	April, 1889.....	3.04
Do.....	Cotton ties.....	October, 1889.....	2.43
Do.....	Cotton ties.....	April, 1890.....	3.04
Do.....	Cotton ties.....	April, 1888.....	2.43
Do.....	Steel rails.....	October, 1888.....	2.19
Do.....	Steel rails.....	April, 1889.....	2.43
Do.....	Steel rails.....	January, 1890.....	1.95
Philadelphia, Pennsylvania.....	Pig iron.....	January, 1888.....	1.95
Do.....	Pig iron.....	August 15, 1888.....	1.83
Do.....	Pig iron.....	August 25, 1888.....	1.95
Do.....	Pig iron.....	January, 1889.....	1.70
Do.....	Pig iron.....	February, 1889.....	1.83
Do.....	Pig iron.....	April, 1889.....	1.70

## FREIGHT RATES FROM LIVERPOOL, ENGLAND, TO POINTS SPECIFIED—Concluded.

[The rates are by some one of the following lines, or by lines of steam or sailing ships the names of which were not reported: the Inman line, the White Star line, the American line, or the Cunard steamship company.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Philadelphia, Pennsylvania .....	Hoop iron .....	1888, '89, and '90...	\$2.43
Do .....	Steel slabs .....	1888, '89, and '90...	1.95
Do .....	Tin plate .....	1888 .....	2.43
Do .....	Tin plate .....	1889 .....	2.01
Do .....	Tin plate .....	1890 .....	2.43
Galveston, Texas .....	Pig iron .....	April, 1888 .....	3.04
Do .....	Pig iron .....	October, 1888 .....	2.43
Do .....	Pig iron .....	April, 1889 .....	3.04
Do .....	Pig iron .....	October, 1889 .....	2.43
Do .....	Pig iron .....	April, 1890 .....	3.04
Do .....	Tin plate and steel .....	1888, '89, and '90...	3.65
Do .....	Cotton ties .....	1888, '89, and '90...	2.43
Do .....	Bar iron and bar steel .....	1888, '89, and '90...	4.87
San Francisco, California .....	Finished iron and steel .....	May, 1888 .....	8.52
Do .....	Finished iron and steel .....	June 21, 1888 .....	9.12
Do .....	Finished iron and steel .....	August, 1888 .....	8.52
Do .....	Finished iron and steel .....	January 30, 1889 .....	7.30
Do .....	Finished iron and steel .....	May 5, 1889 .....	5.47
Do .....	Finished iron and steel .....	August 29, 1889 .....	6.08
Do .....	Sheet iron, tin plate, etc. ....	October, 1889 .....	6.39
Do .....	Pig iron .....	October, 1889 .....	5.47
Do .....	Pig iron .....	June, 1890 .....	4.87
Do .....	Tin plate .....	June, 1890 .....	5.17
Do .....	Pig iron .....	June, 1888 .....	8.70
Do .....	Pig iron .....	October, 1888 .....	8.03
Do .....	Pig iron .....	January, 1889 .....	9.37
Do .....	Pig iron .....	March, 1889 .....	8.03
Do .....	Pig iron .....	June, 1889 .....	8.03
Do .....	Pig iron .....	July, 1889 .....	4.55
Do .....	Pig iron .....	November, 1889 .....	6.83
Do .....	Pig iron .....	January, 1890 .....	6.69
Do .....	Pig iron .....	June, 1890 .....	4.01
Do .....	Bar iron and steel .....	October, 1888 .....	9.37
Do .....	Bar iron and steel .....	February, 1889 .....	9.37
Do .....	Bar iron and steel .....	May, 1889 .....	6.26
Montreal, Canada .....	Steel rails .....	July and August, 1888 .....	1.70
Do .....	Steel rails .....	July and August, 1889 .....	1.58
Halifax, Nova Scotia .....	Steel rails .....	September, 1888 .....	2.68
Saint John, New Brunswick .....	Steel rails .....	September, 1888 .....	2.68

## FREIGHT RATES FROM GLASGOW, SCOTLAND, TO POINTS SPECIFIED.

[The rates are by some one of the following lines or by a line of sailing ships the name of which was not reported: the Allen line, the Anchor line, the State steamship company, or Donaldson & Brother's steamships.]

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland.....	Steel rails, steel, and iron...	1888.....	\$1.83 to \$1.95
Do .....	Plates and bars.....	1889.....	1.70 to 1.83
Do .....	Plates and bars.....	1890.....	1.70
Do .....	Steel slabs.....	1888, '89, and '90...	.61
Boston, Massachusetts.....	Pig iron.....	1888.....	1.68 to 1.95
Do .....	Pig iron.....	1889.....	1.22 to 1.70
Do .....	Steel plates.....	1888, '89, and '90...	2.43 to 3.04
New York, New York.....	Pig iron.....	January, 1888.....	1.28
Do .....	Pig iron.....	February, 1888.....	1.34
Do .....	Pig iron.....	March, 1888.....	1.70
Do .....	Pig iron.....	May, 1888.....	1.22
Do .....	Pig iron.....	September, 1888.....	.85
Do .....	Pig iron.....	December, 1888.....	.61
Do .....	Pig iron.....	January, 1889.....	.61
Do .....	Pig iron.....	February, 1889.....	.61
Do .....	Pig iron.....	March, 1889.....	.61
Do .....	Pig iron.....	May, 1889.....	.73
Do .....	Pig iron.....	September, 1889.....	.85
Do .....	Pig iron.....	November, 1889.....	.49
Do .....	Pig iron.....	December, 1889.....	.24
Do .....	Pig iron.....	January, 1890.....	.61
Do .....	Pig iron.....	April, 1890.....	.49
Do .....	Pig iron.....	May, 1890.....	.24
Do .....	Slabs.....	March, 1888.....	1.95
Do .....	Slabs.....	May, 1888.....	1.70
Do .....	Slabs.....	September, 1888.....	1.83
Do .....	Slabs.....	December, 1888.....	1.83
Do .....	Slabs.....	January, 1889.....	1.70
Do .....	Slabs.....	March, 1889.....	1.70
Do .....	Slabs.....	May, 1889.....	1.58
Do .....	Slabs.....	September, 1889.....	1.34
Do .....	Slabs.....	November, 1889.....	1.34
Do .....	Slabs.....	December, 1889.....	.73
Do .....	Slabs.....	January, 1890.....	.73
Do .....	Slabs.....	April, 1890.....	.61
Do .....	Slabs.....	May, 1890.....	.61
Do .....	Steel sheets, plates, and bars	1888, '89, and '90...	2.43
Do .....	Steel billets.....	1888, '89, and '90...	1.83
Philadelphia, Pennsylvania.....	Pig iron.....	1888.....	1.68
Do .....	Pig iron.....	1889 and '90.....	1.70
Do .....	Slabs.....	1889 and '89.....	1.70 to 2.43
Do .....	Slabs.....	1890.....	.85 to 1.10
Do .....	Steel plates.....	1888, '89, and '90...	2.43 to 3.04
San Francisco, California.....	Steel sheets and plates.....	1888.....	10.71
Do .....	Steel sheets and plates.....	January 1, 1889.....	10.71
Do .....	Steel sheets and plates.....	July 1, 1889.....	8.52
Do .....	Steel sheets and plates.....	January 1, 1890.....	5.47
Do .....	Pig iron.....	1888.....	9.12
Do .....	Pig iron.....	January 1, 1889.....	8.03
Do .....	Pig iron.....	July 1, 1889.....	6.08
Do .....	Pig iron.....	January 1, 1890.....	4.87

## FREIGHT RATES FROM BENI-SOOEF, EGYPT, TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland.....	Iron ore.....	January, 1888.....	\$3.41
Do .....	Iron ore.....	March, 1888.....	3.53
Do .....	Iron ore.....	December, 1889.....	2.43
Philadelphia, Pennsylvania.....	Iron ore.....	March, 1888.....	3.71 to 3.77
Do .....	Iron ore.....	July, 1888.....	3.16
Do .....	Iron ore.....	August, 1888.....	3.16 to 3.28
Do .....	Iron ore.....	February, 1890.....	2.25 to 2.37

## FREIGHT RATES FROM BILBAO, SPAIN, TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
New York, New York.....	Iron ore.....	January, 1890.....	\$2.68 to \$2.92
Philadelphia, Pennsylvania.....	Iron ore.....	September, 1888.....	3.41
Do .....	Iron ore.....	October, 1888.....	3.41
Do .....	Iron ore.....	March, 1890.....	2.56 to 2.92



## REPORT OF THE COMMISSIONER OF LABOR.

## FREIGHT RATES FROM BONA, ALGERIA, TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	April, 1888 .....	\$3.59
Do .....	Iron ore .....	December, 1888 .....	3.41 to 3.53
Do .....	Iron ore .....	February, 1889 .....	2.80
Do .....	Iron ore .....	December, 1889 .....	2.50
Philadelphia, Pennsylvania .....	Iron ore .....	January, 1888 .....	3.16 to 3.53
Do .....	Iron ore .....	February, 1888 .....	3.41
Do .....	Iron ore .....	April, 1888 .....	3.71 to 3.77
Do .....	Iron ore .....	August, 1888 .....	3.16 to 3.28
Do .....	Iron ore .....	October, 1888 .....	3.83
Do .....	Iron ore .....	December, 1888 .....	3.65
Do .....	Iron ore .....	March, 1889 .....	3.41
Do .....	Iron ore .....	April, 1889 .....	3.53
Do .....	Iron ore .....	May, 1889 .....	3.53 to 3.59
Do .....	Iron ore .....	August, 1889 .....	2.80 to 3.41
Do .....	Iron ore .....	September, 1889 .....	2.37
Do .....	Iron ore .....	October, 1889 .....	2.92
Do .....	Iron ore .....	December, 1889 .....	2.68
Do .....	Iron ore .....	January, 1890 .....	2.74 to 2.80
Do .....	Iron ore .....	February, 1890 .....	2.43 to 2.52
Do .....	Iron ore .....	April, 1890 .....	2.07
Do .....	Iron ore .....	May, 1890 .....	2.62 to 2.80
Do .....	Iron ore .....	June, 1890 .....	2.69

## FREIGHT RATES FROM CARTAGENA, SPAIN, TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	March, 1888 .....	\$3.80
Do .....	Iron ore .....	December, 1888 .....	2.98 to 3.16
Do .....	Iron ore .....	January, 1889 .....	2.92
Do .....	Iron ore .....	February, 1889 .....	3.10
Do .....	Iron ore .....	August, 1889 .....	2.80
Do .....	Iron ore .....	September, 1889 .....	2.43
Do .....	Iron ore .....	October, 1889 .....	2.74 to 2.92
Do .....	Iron ore .....	November, 1889 .....	2.56 to 2.80
Do .....	Iron ore .....	December, 1889 .....	2.43 to 2.62
Do .....	Iron ore .....	January, 1890 .....	2.56 to 2.62
Philadelphia, Pennsylvania .....	Iron ore .....	February, 1890 .....	2.37 to 2.56
Do .....	Iron ore .....	December, 1888 .....	3.28
Do .....	Iron ore .....	May, 1889 .....	3.41
Do .....	Iron ore .....	August, 1889 .....	2.56 to 2.68
Do .....	Iron ore .....	September, 1889 .....	2.43
Do .....	Iron ore .....	November, 1889 .....	2.68
Do .....	Iron ore .....	December, 1889 .....	2.80
Do .....	Iron ore .....	January, 1890 .....	2.68 to 2.80
Do .....	Iron ore .....	February, 1890 .....	2.68
Do .....	Iron ore .....	March, 1890 .....	2.07 to 2.52
Do .....	Iron ore .....	April, 1890 .....	2.22
Do .....	Iron ore .....	May, 1890 .....	2.92
Do .....	Iron ore .....	June, 1890 .....	2.37

## FREIGHT RATES FROM ELBA TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	June, 1888 .....	\$4.01 to \$4.08
Perth Amboy, New Jersey .....	Iron ore .....	March, 1888 .....	3.65
Do .....	Iron ore .....	April, 1888 .....	3.77
Philadelphia, Pennsylvania .....	Iron ore .....	February, 1888 .....	3.41
Do .....	Iron ore .....	April, 1888 .....	3.77 to 3.89
Do .....	Iron ore .....	May, 1888 .....	4.01
Do .....	Iron ore .....	June, 1888 .....	4.20
Do .....	Iron ore .....	November, 1888 .....	4.01
Do .....	Iron ore .....	December, 1888 .....	3.41 to 3.65
Do .....	Iron ore .....	March, 1889 .....	3.89 to 4.26
Do .....	Iron ore .....	April, 1889 .....	3.65
Do .....	Iron ore .....	June, 1889 .....	2.86
Do .....	Iron ore .....	August, 1889 .....	2.80 to 2.92
Do .....	Iron ore .....	September, 1889 .....	2.49 to 2.56
Do .....	Iron ore .....	November, 1889 .....	2.80
Do .....	Iron ore .....	December, 1889 .....	2.92
Do .....	Iron ore .....	January, 1890 .....	2.92 to 2.98
Do .....	Iron ore .....	March, 1890 .....	2.56
Do .....	Iron ore .....	April, 1890 .....	2.37
Do .....	Iron ore .....	May, 1890 .....	2.19 to 3.04



## FREIGHT RATES FROM GARUCHA TO POINT SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Philadelphia, Pennsylvania .....	Iron ore .....	October, 1888.....	\$4. 38
Do .....	Iron ore .....	November, 1888 .....	4. 38
Do .....	Iron ore .....	December, 1888 .....	3. 89 to 4. 01
Do .....	Iron ore .....	May, 1889 .....	3. 41 to 3. 59
Do .....	Iron ore .....	June, 1889 .....	3. 28 to 3. 53

## FREIGHT RATES FROM HUELVA, SPAIN, TO POINT SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Philadelphia, Pennsylvania .....	Iron ore .....	April, 1888.....	\$3. 95
Do .....	Iron ore .....	January, 1889.....	3. 77
Do .....	Iron ore .....	February, 1889.....	3. 89
Do .....	Iron ore .....	March, 1889.....	4. 14
Do .....	Iron ore .....	April, 1889.....	4. 14
Do .....	Iron ore .....	December, 1889 .....	3. 41
Do .....	Iron ore .....	March, 1890.....	3. 10

## FREIGHT RATES FROM MACRI, TURKEY, TO POINT SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	March, 1889.....	\$4. 38

## FREIGHT RATES FROM MARBELLA, SPAIN, TO POINT SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Philadelphia, Pennsylvania .....	Iron ore .....	March, 1888.....	\$3. 80 to \$3. 83
Do .....	Iron ore .....	July, 1888 .....	3. 41
Do .....	Iron ore .....	August, 1888.....	3. 16
Do .....	Iron ore .....	September, 1888.....	3. 77
Do .....	Iron ore .....	November, 1888.....	3. 41
Do .....	Iron ore .....	December, 1888 .....	3. 16 to 3. 65
Do .....	Iron ore .....	February, 1889.....	3. 41
Do .....	Iron ore .....	March, 1889.....	3. 65
Do .....	Iron ore .....	April, 1889.....	3. 77
Do .....	Iron ore .....	May, 1889.....	3. 65 to 3. 77
Do .....	Iron ore .....	June, 1889 .....	3. 28 to 3. 53
Do .....	Iron ore .....	August, 1889.....	2. 92
Do .....	Iron ore .....	September, 1889.....	2. 56 to 2. 80
Do .....	Iron ore .....	November, 1889.....	2. 98
Do .....	Iron ore .....	December, 1889.....	2. 92 to 3. 04
Do .....	Iron ore .....	January, 1890.....	2. 92
Do .....	Iron ore .....	February, 1890.....	2. 74 to 3. 04
Do .....	Iron ore .....	March, 1890.....	2. 43
Do .....	Iron ore .....	June, 1890 .....	2. 56

## FREIGHT RATES FROM MAZARRON, SPAIN, TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	April, 1888.....	\$3. 89
Do .....	Iron ore .....	June, 1888 .....	3. 89
Philadelphia, Pennsylvania .....	Iron ore .....	March, 1888.....	3. 35 to 3. 89
Do .....	Iron ore .....	October, 1889.....	3. 16

## FREIGHT RATES FROM MILOS TO POINT SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	December, 1889 .....	\$3. 41

## FREIGHT RATES FROM PERAZUELOS TO POINT SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	December, 1889 ...	\$2.98
Do .....	Iron ore .....	January, 1890 .....	3.04

## FREIGHT RATES FROM PORMAN TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
Baltimore, Maryland .....	Iron ore .....	January, 1888 .....	\$3.41
Do .....	Iron ore .....	February, 1888 .....	2.98
Do .....	Iron ore .....	August, 1888 .....	3.16
Do .....	Iron ore .....	December, 1888 .....	2.92
Do .....	Iron ore .....	January, 1889 .....	2.92 to 3.04
Do .....	Iron ore .....	February, 1889 .....	3.41
Do .....	Iron ore .....	June, 1889 .....	2.68
Do .....	Iron ore .....	August, 1889 .....	2.68
Do .....	Iron ore .....	September, 1889 .....	2.43 to 2.56
Do .....	Iron ore .....	December, 1889 .....	2.56 to 2.80
Do .....	Iron ore .....	January, 1890 .....	2.74
Do .....	Iron ore .....	February, 1890 .....	2.56 to 2.68
Do .....	Iron ore .....	June, 1890 .....	2.25 to 2.37
Philadelphia, Pennsylvania .....	Iron ore .....	January, 1888 .....	3.53
Do .....	Iron ore .....	February, 1888 .....	3.16 to 3.41
Do .....	Iron ore .....	March, 1888 .....	3.89
Do .....	Iron ore .....	December, 1888 .....	3.16
Do .....	Iron ore .....	June, 1889 .....	2.86
Do .....	Iron ore .....	September, 1889 .....	2.43
Do .....	Iron ore .....	January, 1890 .....	3.04
Do .....	Iron ore .....	February, 1890 .....	2.49 to 2.80
Do .....	Iron ore .....	March, 1890 .....	2.13
Do .....	Iron ore .....	April, 1890 .....	2.19
Do .....	Iron ore .....	June, 1890 .....	2.37 to 2.80

## FREIGHT RATES FROM SERPHO TO POINTS SPECIFIED.

Destination of freight.	Kind of freight.	Date.	Rate per ton (2,240 pounds).
New York, New York .....	Iron ore .....	March, 1890 .....	\$3.38
Do .....	Iron ore .....	May, 1890 .....	3.04
Philadelphia, Pennsylvania .....	Iron ore .....	February, 1888 .....	3.65
Do .....	Iron ore .....	July, 1888 .....	3.65
Do .....	Iron ore .....	December, 1888 .....	3.71
Do .....	Iron ore .....	April, 1889 .....	3.89
Do .....	Iron ore .....	May, 1889 .....	3.77
Do .....	Iron ore .....	September, 1889 .....	3.28
Do .....	Iron ore .....	December, 1889 .....	3.47
Do .....	Iron ore .....	April, 1890 .....	2.92 to 3.16
Do .....	Iron ore .....	June, 1890 .....	3.04

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## PART II.

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TIME AND EARNINGS—EFFICIENCY OF LABOR.

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TIME AND EARNINGS.

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## TIME AND EARNINGS.

Part II deals with the time employed, the earnings gained, and the efficiency of the workmen engaged in production. The subject first taken up is time and earnings. Of the 618 establishments represented in the tabulation of cost of production in Part I, copies of the payrolls were made in ninety-nine cases, and these served as the basis of the tables which are to follow. As a rule the period for which these rolls were copied was the same as that for the cost of production. Quite generally this period is for one year.

No necessity seemed to exist for collecting these data from all the 618 establishments, as what has been gathered and presented adequately represents, without doubt, all the existent conditions as to wages and duration of employment. The following statement shows the distribution of these ninety-nine establishments among the several industries:

NUMBER OF ESTABLISHMENTS TABULATED IN TIME AND EARNINGS.

Industry and locality.	Estab- lish- ments tabu- lated.
<b>PIG IRON:</b>	
Northern district of the United States.....	12
Southern district of the United States.....	5
Continent of Europe .....	2
Great Britain.....	3
Total.....	22
<b>MUCK BAR IRON:</b>	
United States .....	4
Great Britain .....	1
Total.....	5
<b>FINISHED BAR IRON:</b>	
United States .....	2
Great Britain .....	1
Total.....	3
<b>STEEL INGOTS:</b>	
United States .....	4
Continent of Europe .....	3
Total.....	7
<b>STEEL BILLETS:</b>	
United States .....	1
<b>STEEL BLOOMS:</b>	
United States .....	2
<b>STEEL RAILS:</b>	
Continent of Europe.....	2
<b>MIXED IRON AND STEEL:</b>	
United States .....	9
Continent of Europe.....	5
Great Britain .....	3
Total.....	17

## NUMBER OF ESTABLISHMENTS TABULATED IN TIME AND EARNINGS—Concluded.

Industry and locality.	Estab-lish-ments tabu-lated.
BITUMINOUS COAL :	.
United States .....	10
Dominion of Canada .....	1
Continent of Europe .....	2
Great Britain .....	1
Total .....	14
COKE :	
United States .....	6
Continent of Europe .....	1
Total .....	7
IRON ORE :	
United States .....	16
Continent of Europe .....	3
Total .....	19
All industries .....	99

The tables relating to time and earnings are numbered from XII to XIV, and, as the different presentations of facts or sub-tables designated by letters of the alphabet are numerous, a statement of them is here-with appended.

TABLE XII.—*Actual and Theoretical Time and Earnings.*

- A.—Pig iron—northern district of the United States.
- B.—Pig iron—southern district of the United States.
- C.—Pig iron—continent of Europe.
- D.—Pig iron—Great Britain.
- E.—Muck bar iron—United States.
- F.—Muck bar iron—Great Britain.
- G.—Finished bar iron—United States.
- H.—Finished bar iron—Great Britain.
- J.—Steel ingots—United States.
- K.—Steel ingots—continent of Europe.
- L.—Steel billets—United States.
- M.—Steel blooms—United States.
- N.—Steel rails—continent of Europe.
- O.—Mixed iron and steel—United States.
- P.—Mixed iron and steel—continent of Europe.
- Q.—Mixed iron and steel—Great Britain.
- R.—Bituminous coal—United States.
- S.—Bituminous coal—Dominion of Canada
- T.—Bituminous coal—continent of Europe.
- U.—Bituminous coal—Great Britain.
- V.—Coke—United States.
- W.—Coke—continent of Europe.
- X.—Iron ore—United States.
- Y.—Iron ore—continent of Europe.

TABLE XIII.—*Summary of Actual and Theoretical Time and Earnings by Occupations.*



TABLE XIV.—*Summary of Actual and Theoretical Time and Earnings by Industries.*

- A.—Pig iron.
- B.—Muck bar iron.
- C.—Finished bar iron.
- D.—Steel ingots.
- E.—Steel billets.
- F.—Steel blooms.
- G.—Steel rails.
- H.—Mixed iron and steel.
- J.—Bituminous coal.
- K.—Coke.
- L.—Iron ore.

Table XII presents the facts in detail for each establishment separately through the several industries from A to Y. Table XIII summarizes these facts by occupations, and Table XIV summarizes them by bringing the establishment totals together in each industry. The establishment numbers refer to establishments numbered the same in Part I, relating to cost of production. Thus establishment number 10, the second here tabulated as to time and earnings, is the identical number 10 appearing in the cost of production tables, pages 35 to 60. The numbers omitted are, of course, those of the establishments before referred to for which copies of payrolls were not made.

Under working days in the period appears the number of possible working days during the whole period for each class of employés. This period may exceed the number of days of actual running time for the establishment, and it will always do so when, during the period, the establishment has been temporarily closed. In different industries these possible working days may differ, although the period of time be the same, because in some industries, as in pig iron, the establishment usually runs every day in the period, while in others, as in iron ore mining, it closes on Sundays. Likewise in different occupations in the same establishment they may differ, because in pig iron, for example, the regular furnace employés work every day, while the repair men, laborers, and various others, as a rule, work on week days only.

The columns showing the actual condition for the period are referred to a little further along and such explanation made as seems needed; they embody the actual results taken from the payrolls. The last two columns of the table, however, do not represent actual conditions, but theoretical ones. The first of these two columns shows the number of employés that would be necessary (usually a fractional number of men), working continuously through the period, to perform the actual days of work given; and the second shows the consequent average earnings for the period of one such employé. The essential object of the comparison here is to show the great difference between the actual force and the necessary force in establishments, and between what men are actually paid during a fixed time (as, say a year) and what they are theoreti-

cally supposed to have gained when only their daily rate of pay is considered.

Supposably, it is a very simple thing to find out the number of men, their daily rates of pay, etc., in a large mill or factory. Practically, if one desires to be scientifically accurate, it is almost impossible of accomplishment. With reference to the data given in the column of actual daily earnings or daily rate nearest to average daily earnings, and, to some extent, with reference to the matter grouped under the box-head title of actual condition for period, the following remarks are offered :

The period covered, as has been noted, is usually a year. A workman not only may, but quite often does, work at more than one occupation within such a period. This is probably caused in great measure by the absence of some through illness or other causes, when, of course, another fills the vacancy, and a readjustment of duties for the time being has to take place in order that the establishment may continue its functions. It is quite common for a man to work at several occupations within the year. These, of course, are not distinctive trades, like the carpenter's or blacksmith's, but are occupations whose duties are quickly learned. In many industries they constitute the great bulk of labor. It is usually the case that there is one of these which is manifestly his principal occupation—the one he was hired for, as we may say; as to the others, he has probably worked at them as he was called on to supply the places of the absent. When his occupation is thus changed his rate of pay ordinarily changes to that of the new occupation. Commonly, as the occupation will not differ much in the degree of skill required, the rate of pay will not vary greatly; but the subsidiary places will usually have a higher rather than a lower rate, and he may eventually advance permanently into one of those positions. Again, while remaining in the same occupation, he may be promoted to a higher rate of pay, as there may be several rates for the same occupation, each advancing one representing higher skill or larger industry and attention.

With regard to piece workers or employés who are paid by the quantity, there are many difficulties. The payrolls of the mill sometimes show only the amount paid to the workmen, no record being made of the time or number of pieces it represents. Often, however, the number of pieces is also shown, and the rate per piece. If the books of the foreman or timekeeper are now referred to they may show the time, but not necessarily, in spite of his designation as timekeeper; for in a coal mine they will often show only the successive dates at which he credited the workman with the tons of coal mined. This workman may have worked all or only a part of the time between these dates, and all of a day or but part of a day; the output credited may be the result of his own labor simply, or it may have been contributed to by a half-grown son or a hired helper. The timekeeper knows nothing of this.

Ordinarily in any industry there will be much difficulty and even impossibility in determining the time of piece workers.

Often certain important employés work in gangs, crews, turns, shops, etc., different industries having different terms. The method of payment is equally various, and is not universally alike in any one industry. The following shows one method of payment for a crew of rollers in a rolling mill.

Let us suppose that work goes on continuously night and day for  $5\frac{1}{2}$  days each week. Two crews, each working a turn of 12 hours, will be necessary, known respectively as the day crew and the night crew. The composition of each will be about as follows: one roller, one heater, two roughers, two scrapers, one poke-in, two straighteners. These crews alternate in day and night work each week, the crew doing day work one week doing night work the next. A record is kept of the number of pounds of iron rolled by each crew. Let us suppose that wages are paid once in two weeks. These wages are paid to one of the rollers, who is known as the chief roller, and the payrolls of the company show no recognition of the other persons in the crews. The amount paid this chief roller will be a certain sum per ton for the whole amount of finished product. He now proceeds to divide this amount among the men. It is to be presumed that the amount of product of one crew will be somewhat larger than that of the other; so each is considered separately. Of the amount due his own crew he pays one-fourth to the heater and one-eighth to each of the roughers. He pays the scrapers, straighteners, and poke-in a fixed sum per day, each class being at a different rate. The other crew is paid off in a similar way, what the heater and rougher gets being based on the product of the crew. He pays the other roller usually a fixed sum per day. After making all these payments, what is left belongs to himself. It may be presumed that the chief roller does not concern himself with keeping a permanent record of these transactions, and as the only record the mill has is of the tons of product of each payment period and the amount paid the chief roller, and as the composition of the crews is changing from time to time, and the number of turns of work in a month varying at different seasons, the difficulty of ascertaining the number of days of work done and the earnings of each person in a year is great. Of course, in the case of piece workers when the time is obtainable, you will have, in a computation for a day, as many rates as you have individuals, which is an embarrassment of exactness.

There are also employés who work by the hour at one occupation, conjoined with piece work at another. Again, a certain class of labor which is performed by the hired workmen of one establishment, in another is let out to a contractor who hires his own help, and the establishment has no record of anything but the amount paid this contractor.

It is apparent that after the tedious labor of copying a payroll has been performed, it may be found that the material is quite incomplete.



No attempt has been made to supply such lacking information by estimates, except in immaterial instances, which are indicated by foot notes. In other words, the tables represent the actual facts, except as the exigencies of statistical treatment have harmlessly modified them in accordance with what follows on the methods of handling the most important of the difficulties referred to. The goodly proportion of employes working at but a single occupation for a single rate of course offers no difficulties. The treatment of other cases is now noted.

An employé found working at two or more occupations has been credited with his total time and earnings as made at that occupation at which he worked the longest, provided that three-fourths or more of his time was employed at it; also, he has been credited with his total time and earnings as made at the one of any two occupations at which he worked the longest, the daily rates of which were alike or differed not more than 10 cents, provided the time of the two combined was equal to three-fourths of his whole time. When an employé has made less than three-fourths of his time at one occupation, or at two or more, as just noted, he has been credited with his total time and earnings as made at a compound occupation, consisting of the several single occupations, as "cinderman and laborer."

Whenever possible, the actual daily rates paid by employers have been used instead of computed daily earnings. If the employé received the same daily rate of pay throughout the period, that rate, of course, has been used. If he was paid at several rates, the one nearest his actual average daily earnings has been given him, if it differed not more than 10 cents from such actual average daily earnings. If, however, the difference was greater than 10 cents, the actual average daily earnings (the quotient of total earnings divided by total days) has been used as the rate.

For a number of employes working wholly by the piece, no time could be given. In some cases where men were paid by the quantity or by contract, the exact time was obtained and has been used.\* In other cases, where they were also paid by the quantity or by contract, no exact time could be given by the employers; but in quite a number of these cases it was possible for the special agent to estimate the time on the basis of information furnished by the proprietor or the men. These estimates have usually been accepted and used as being reliable. In the cases of piece workers whose time was given and of all employes for whom no actual daily rate paid was known, the rates used were the actual average daily earnings (the quotient of total earnings divided by total days). Of course in this way a new rate was obtained for each particular case, and for the sake of brevity in the presentation, they were then arranged in groups in such a way that the actual average daily earnings of each group should be about 25 cents from the group below and above. In the cases previously mentioned where the time was unknown and unobtainable, the tables will show no data for rates, time, and other columns dependent upon the time. In a very few cases,



mostly occupations demanding a high degree of skill, the number of employes will be found lacking, as well as the rates, time, etc. This latter defect arose from the fact that the work was given out to contractors by the company, and nothing beyond the total sum paid to such contractor was shown by the books of the establishment. From what has been said it is apparent that the rate multiplied by the days of work done will not always produce exactly the earnings.

With these explanations we are prepared to understand and use the tables. Table XII takes up by number each establishment for which payrolls were copied. For example let us look at establishment number 10 (pages 296, 297, and 298), which is a blast furnace in the northern district of the United States. It shows for each occupation in that establishment the working days in the period covered by the investigation, the actual daily earnings or daily rate nearest to the average daily earnings, the number of different employes that have been employed in the establishment, together with the total days of work done, the average days of work done, the total earnings, and the average earnings for the period covered, and then, in the two right-hand columns of the table the number of employes that would be necessary to do the work if they should work continuously through the period, and the consequent average earnings for each of such employes for the period. To take a single case from Table XII—fillers. There were employed in establishment number 10, an establishment working 365 days, 94 different employes as fillers. Their actual daily earnings for the days worked were on an average \$1.58; they worked 7,219 days in all during the whole period, or an average for each filler of 77 days. The total earnings of the whole 94 were \$11,398, or an average for each of \$121 during the year. Now, 19.78 men, mathematically speaking, if they had worked continuously for the whole period that the establishment was running, would have accomplished the same results that the 94 different fillers accomplished, and each one would have earned on an average \$576. This illustration clearly shows how Table XII is to be used.

Table XII is followed by Table XIII, which is a summary of it by occupations. The figures used in this table are always the totals for each occupation, as given in Table XII. The column of actual daily earnings, or daily rate nearest to average daily earnings, will generally, in Table XIII, show average daily earnings, as the two or more rates so often appearing in Table XII are here reduced to a single statement. In comparing the earnings in any occupation at different establishments the length of the period covered must be noted, and the industry itself should not be overlooked. While in some cases a name may stand for the same duties through the different industries, in general comparisons cannot be safely made beyond the limits of an industry. "Mixed iron and steel" is a title of general rather than specific meaning. It is applied to establishments producing a more or less mis-

cellaneous assortment of products, for any one of which it was impossible to obtain statements, either in cost of production or in the time employed and earnings of workmen. The name, therefore, may cover half a dozen different though allied products. The basis of the theoretical condition in each table is, of course, variable, every establishment having one of its own, which is the number of working days in the period. The consequent average earnings per employé can be directly compared only when this basis is the same.

Table XIV brings together the establishment totals of Table XII for more convenient comparison of establishment results. As an illustration, looking at its first page, subdivision A, pig iron, we find that establishment number 10 is situated in the northern district of the United States; that the length of the period covered by our returns is one year; that the actual average daily earnings in that establishment, as a whole, were \$1.67 $\frac{1}{2}$ ; that there were 507 different individual employés who did an amount of work represented by the total of 45,039 days, or an average for each individual employé of 89 days; that the total earnings of the whole 507 individual employés, working on an average of 89 days each, was \$75,519, giving to each employé an average actual earning of \$149. Looking at the last two columns of the table, it will be seen that if, instead of 507 individual employés working during the period an average of 89 days each, 127.65 employés had been kept at work continuously throughout the whole period, they would have accomplished the same results and would have earned \$592 each.

The Department is inquired of from time to time as to the rate of wages paid in different employments in the different states of the Union, generally, it would appear, with the expectation that a definite answer can be made, and quite exact figures given, for instance, for puddlers in New York or carpenters in Ohio, or at least that somewhere within the realm of accomplishment just such definite results are waiting only to be gathered and presented in tabular columns in a way to settle the matter of rates of wages for every occupation in every state and country of the civilized world for the present generation. Reflection seems hardly needed to show that such figures do not and cannot exist. Large collections from important establishments engaged in the principal industries of different countries, if made substantially at the same time and exactly on the same basis, would prove the nearest possible approach to such information, and would be far beyond what has yet been done, and an attempt at this is in contemplation by the Department. Meanwhile the results here presented may be accepted as much more exact in detail and more comprehensive in scope than could be carried out in such a large investigation; since such a work would have to be confined to rates of wages mainly, while this covers in addition the actual days of work done by and earnings of each workman. But with regard to the repeated inquiry what is the rate of wages in such or such an occupation these tables are ample

to show that specifically no answer can be made. For instance, if we examine Table XIII, where those pursuing like occupations in different establishments in different states are brought together, we shall see how various are the daily rates of pay for similar work. As an example, let us look at the blacksmiths. For convenience of comparison, the following cases which run from the lowest to the highest rate of any given for the United States are extracted from Table XIII and are here presented :

THE VARYING WAGES OF BLACKSMITHS IN THE UNITED STATES.

Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continous employment.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.	Consequent average earnings per employé.	
			Total.	Average.	Total.	Average.			
313	\$1. 20	2	249	125	\$298	\$149	0. 80	\$375	
313	1. 83	3	511	170	935	312	1. 63	573	
313	1. 84½	2	610	305	1, 124	562	1. 95	577	
313	1. 97	9	2, 442	271	4, 810	534	7. 80	617	
313	2. 00	2	157	79	314	157	0. 50	626	
313	2. 08½	9	223	25	465	52	0. 70	653	
313	2. 18½	5	661	132	1, 445	289	2. 11	684	
313	2. 25	1	68	68	153	153	0. 22	704	
313	2. 35	2	560	280	1, 316	658	1. 79	736	
313	2. 38	6	249	42	592	99	0. 80	744	
313	2. 40	1	202	202	485	485	0. 65	752	
313	2. 43½	5	924	185	2, 250	450	2. 95	762	
313	2. 75	1	294	294	808	808	0. 94	860	
313	2. 75½	1	201	201	552	552	0. 64	860	
313	2. 83½	5	853	171	2, 418	484	2. 73	887	
313	2. 98½	5	879	176	2, 625	525	2. 81	935	
313	3. 60	1	310	310	1, 120	1, 120	0. 99	1, 131	

The distribution of the establishments among different states from which the instances of blacksmiths shown above are drawn is omitted in all tables in this volume for reasons given in the introduction, but the statement can be made that the seventeen cases are distributed through ten states as follows: five are in Pennsylvania, three in New York, two in Illinois, and one each in Alabama, Wisconsin, Virginia West Virginia, Missouri, Ohio, and Indiana. If other occupations are studied it will be found that in a like way a wide range of rates of pay exists. If the instances had all been drawn from a single state, while the diversity might not have been so great, it would still have been sufficiently striking to show that no such thing as a fixed rate of pay in any occupation exists anywhere in the United States. This, of course, does not mean that for all the workmen in an occupation there is no difference between Massachusetts and North Carolina, or Wisconsin and Florida, or between other states.

Tables XII, XIII, and XIV now follow :



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES.

ESTABLISHMENT No. 9.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmiths .....	313	\$2.00	1	59	59	\$117	\$117	0.19	\$621
	313	2.50	5	190	38	475	95	0.61	783
Total .....	313	2.38	6	249	42	592	99	0.80	744
Blacksmiths' helpers .....	313	1.35	1	33	33	44	44	0.11	417
	313	1.60	3	178	59	285	95	0.57	501
Total .....	313	1.56	4	211	53	329	82	0.68	488
Boilermakers .....	365	2.50	2	24	12	60	30	0.07	913
Boilermakers' helper .....	365	1.50	1	9	9	14	14	0.02	568
Cagemen .....	365	2.20	1	241	241	528	528	0.66	800
	365	2.35	1	159	159	374	374	0.44	859
Total .....	365	2.25½	2	400	200	902	451	1.10	823
Carpenters .....	313	2.00	1	85	85	169	169	0.27	622
	313	2.50	1	183	183	457	457	0.58	782
Total .....	313	2.33½	2	268	134	626	313	0.85	731
Cinder snappers .....	365	1.98½	2	445	223	884	442	1.22	725
Cinder snapper and helper .....	365	2.09	1	258	258	539	539	0.71	763
Cinder snappers and laborers .....	365	1.50	3	250	83	376	125	0.68	549
	365	1.93½	1	325	325	629	629	0.89	706
Total .....	365	1.75	4	575	144	1,005	251	1.57	638
Cinder snapper and ore piler .....	365	1.93	1	133	133	257	257	0.36	705
Engineer .....	365	3.00	1	17	17	51	51	0.05	1,095
Engineer and laborer .....	365	2.25	1	362	362	814	814	0.99	821
Engineer and machinist .....	365	2.97	1	321	321	953	953	0.88	1,084
Filler .....	365	1.92	1	265	265	509	509	0.73	701
Fillers, bottom .....	365	1.89	2	411	206	777	389	1.13	690
	365	2.00	12	1,159	97	2,291	191	3.18	721
	365	2.10	13	1,455	112	3,070	236	3.99	770
Total .....	365	2.03	27	3,025	112	6,138	227	8.30	741
Filler and helper .....	365	2.14½	1	7	7	15	15	0.02	782
Fillers and laborers .....	365	1.61	13	1,362	105	2,190	168	3.73	587
	365	1.93	6	1,366	228	2,635	439	3.74	704
	365	2.06	2	592	296	1,219	610	1.62	752
Total .....	365	1.82	21	3,320	158	6,044	288	9.09	664
Filler and metal breaker .....	365	2.13½	1	226	226	482	482	0.62	778
Fillers and ore breakers .....	865	1.76½	4	582	146	1,028	257	1.59	645
	365	2.04	1	190	190	388	388	0.52	745
Total .....	365	1.83½	5	772	154	1,416	283	2.11	669
Foremen .....	365	1.50	1	105	105	162	162	0.29	563
	365	2.55½	1	291	291	743	743	0.80	932
	365	3.29	1	365	365	1,200	1,200	1.00	1,200
Total .....	335	2.70½	3	761	254	2,105	702	2.09	1,010



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 9—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Helpers .....	365	\$2.49	9	468	52	\$1,165	\$129	1.28	\$909
Helpers and laborers.....	365	1.66	4	296	74	492	123	0.81	607
	365	2.04½	1	68	68	139	139	0.19	746
	365	2.14	3	882	294	1,886	629	2.42	780
Total .....	365	2.02	8	1,246	156	2,517	315	3.42	737
Helper and metal carrier .....	365	2.38½	1	232	232	553	553	0.64	870
Helper and ore piler.....	365	1.87½	1	8	8	15	15	0.02	684
Keepers .....	365	3.25	2	α 162	81	526	263	0.44	1,185
Keeper and laborer .....	365	2.70½	1	248	248	671	671	0.68	988
Laborers.....	365	1.00	1	43	43	44	44	0.12	373
	365	1.25	1	281	281	362	362	0.77	470
	365	1.35	25	222	9	300	12	0.61	493
	365	1.40	47	1,405	30	1,966	42	3.85	511
	365	1.50	9	583	65	874	97	1.60	547
	365	2.00	1	21	21	43	43	0.06	747
Total .....	365	1.40½	84	2,555	30	3,589	43	7.01	513
Laborers and metal breakers..	365	1.61½	8	850	106	1,373	172	2.33	590
	365	1.85	2	622	311	1,151	576	1.70	675
Total .....	365	1.71½	10	1,472	147	2,524	252	4.03	626
Laborers and metal carriers ..	365	1.60	2	224	112	358	179	0.61	583
	365	1.93	2	44	22	85	43	0.12	705
	365	2.12	2	364	182	772	386	1.00	774
	365	2.36	2	349	175	824	412	0.96	862
Total .....	365	2.08	8	981	123	2,039	255	2.69	759
Laborers and ore breakers....	365	1.57½	12	615	51	969	81	1.68	575
Laborer and ore piler .....	365	1.50	1	16	16	24	24	0.04	548
Laborer and stove cleaner .....	365	1.55	1	20	20	31	31	0.05	566
Laborer and stove tender .....	365	2.11½	1	324	324	685	685	0.89	772
Laborer and water tender.....	365	1.87	1	298	298	558	558	0.82	683
Masons .....	313	2.00	1	17	17	33	33	0.05	608
	313	3.20	9	259	29	829	92	0.83	1,002
Total .....	313	3.12½	10	276	28	862	86	0.88	978
Master masons.....	313	2.00	1	6	6	12	12	0.02	626
	313	5.00	1	37	37	185	185	0.12	1,565
Total .....	313	4.58	2	43	22	197	99	0.14	1,434
Mechanic.....	313	2.00	1	71	71	143	143	0.23	630
Metal breakers .....	365	1.79	2	566	283	1,014	507	1.55	654
	365	2.00	2	34	17	69	35	0.09	741
	365	2.10	4	586	147	1,225	306	1.61	763
Total .....	365	1.94½	8	1,186	148	2,308	289	3.25	710
Metal carriers .....	365	2.75	6	214	36	579	97	0.59	988
	365	2.82½	1	24	24	68	68	0.07	1,034
	365	3.00	12	1,036	86	3,073	256	2.84	1,083
Total .....	365	2.92	19	1,274	67	3,720	196	3.50	1,066

α The work done by keepers appears inadequate for the quantity of product shown on page 35.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES.—Continued.

ESTABLISHMENT No. 9.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Metal carrier and ore breaker.	365	\$2. 61½	1	151	151	\$395	\$395	0. 41	\$955
Ore breakers.....	365	1. 60	23	1, 099	48	1, 761	77	3. 01	585
Ore dumper .....	365	2. 00	1	1	1	2	2	0. 00	730
Ore pilers.....	365	1. 60	6	163	27	259	43	0. 45	580
Stove tenders.....	365	2. 50	2	209	105	513	257	0. 57	896
Teamsters (with teams) .....	313	5. 25	3	296	99	1, 551	517	0. 95	1, 640
Timekeeper .....	365	2. 46½	1	92	92	225	225	0. 25	893
Water boy.....	365	. 60½	1	345	345	209	209	0. 95	221
Water tenders.....	365	2. 00	1	40	40	80	80	0. 11	730
	365	2. 10	3	195	65	409	136	0. 53	766
Total .....	365	2. 08	4	235	59	489	122	0. 64	760
Whitewasher.....	313	3. 00	1	1	1	3	3	0. 00	939
The establishment.....	.....	2. 03	310	25, 735	83	52, 238	169	71. 18	734

## ESTABLISHMENT No. 10.

Blacksmiths.	313	\$2.10	1	91	91	\$190	\$190	0.29	\$654
	313	2.45	1	331	331	810	810	1.06	766
Total.	313	2.37	2	422	211	1,000	500	1.35	742
Blacksmiths' helpers.	313	1.50	2	382	191	573	287	1.22	470
	313	1.62	1	179	179	290	290	0.57	507
Total.	313	1.54	3	561	187	863	288	1.79	481
Blacksmiths' helper and stock preparer.	365	1.50	1	4	4	6	6	0.01	548
Boiler cleaner.	365	1.50	1	103	103	154	154	0.28	546
Boiler cleaner and water tender.	365	1.87	1	329	329	616	616	0.90	683
Cagemen.	365	1.65	2	339	170	564	282	0.93	607
Cageman and laborer.	365	1.58½	1	250	250	396	396	0.68	578
Cagemen's helpers.	365	1.50	3	450	150	673	224	1.23	546
Cagemen's helper and stock preparer.	365	1.58	1	333	333	526	526	0.91	577
Carpenters.	313	1.25	6	663	111	831	139	2.12	392
	313	2.00	1	342	342	684	684	1.09	626
	313	2.50	2	370	185	925	463	1.18	783
Total.	313	1.77½	9	1,375	163	2,440	271	4.39	555
Cindermen.	365	1.75	4	939	235	1,604	401	2.57	623
Cindermen and laborers.	365	1.46	3	590	197	861	287	1.62	533
	365	1.67½	1	227	227	380	380	0.62	611
Total.	365	1.52	4	817	204	1,241	310	2.24	554
Engine wipers.	365	1.50	2	656	328	976	488	1.80	543
Engineers.	365	2.25	2	613	307	1,379	690	1.68	821
Engineer, chief.	365	2.79½	1	379	379	1,050	1,050	1.04	1,011

<sup>a</sup> This amount includes the wages in the production of both Bessemer and foundry pig iron, besides \$10,733 paid to outside persons for labor done under contract, while the statement on page 51 is for Bessemer pig only.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT NO. 10—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- ees.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Fillers.....	365	\$1.50	8	194	24	\$292	\$37	0.53	\$549	
	365	1.55	36	3,165	88	4,924	137	8.67	568	
	365	1.60	45	3,398	76	5,427	121	9.31	583	
	365	1.65	5	462	92	755	151	1.27	596	
Total .....	365	1.58	94	7,219	77	11,398	121	19.78	576	
Fillers, top.....	365	1.88½	2	606	303	1,143	572	1.66	688	
	365	2.00	1	111	111	221	221	0.30	727	
Total .....	365	1.90	3	717	239	1,364	455	1.96	694	
Fillers and ironmen.....	365	1.64	3	353	118	579	193	0.97	599	
Filler and keepers' helper .....	365	1.59	1	114	114	181	181	0.31	580	
Fillers and laborers.....	365	1.52	8	402	50	612	77	1.10	556	
Fillers' helpers.....	365	1.75	3	272	91	475	158	0.75	637	
Fillers' helper and laborer .....	365	1.60	1	314	314	502	502	0.86	584	
Fillers' helper and stock pre- parer.	365	1.64	1	80	80	131	131	0.22	598	
Firemen .....	365	2.00	2	619	310	1,207	604	1.70	712	
Foreman, laborers .....	365	1.97½	1	159	159	312	312	0.44	716	
	365	2.25	1	345	345	776	776	0.95	821	
	365	2.63	1	365	365	960	960	1.00	960	
Total .....	365	2.35½	3	869	290	2,048	683	2.39	860	
Foreman, machinery .....	365	4.66	1	365	365	1,700	1,700	1.00	1,700	
Foreman and weighman .....	365	1.85½	1	189	189	351	351	0.52	678	
Fonder .....	365	6.78	1	59	59	400	400	0.16	2,475	
Hot-cinder men.....	365	1.50	10	1,038	104	1,538	154	2.84	541	
Hot-cinder men and laborers..	365	1.41½	4	861	215	1,220	305	2.36	517	
Iron men.....	365	1.76	17	2,868	169	5,046	297	7.86	642	
Iron men and laborers.....	365	1.47	8	663	83	975	122	1.82	537	
Iron man and stock preparer.	365	1.63	1	65	65	106	106	0.18	595	
Iron piler.....	365	1.66½	1	3	3	5	5	0.01	608	
Keepers .....	365	2.15	2	584	292	1,220	610	1.60	763	
Keeper and laborer.....	365	1.72	1	25	25	43	43	0.07	628	
Keepers' helpers.....	365	1.75	7	1,932	276	3,337	477	5.29	630	
	365	1.90	2	677	339	1,266	633	1.85	683	
Total .....	365	1.76½	9	2,609	290	4,603	511	7.14	644	
Keepers' helper and laborer...	365	1.50	1	58	58	87	87	0.16	548	
Keepers' helper and stock preparer.	365	1.56	1	251	251	392	392	0.69	570	
Laborers.....	313	1.25	100	5,062	51	6,393	64	16.17	395	
Laborer and machinist.....	313	1.40	1	10	10	14	14	0.03	438	
Laborers and scrapmen.....	365	1.57	4	316	79	496	124	0.87	573	
Laborers and stock preparers.	365	1.38	31	1,317	42	1,820	59	3.61	504	
Laborer and weighman .....	365	1.37½	1	16	16	22	22	0.04	502	
Machinists .....	313	2.00	1	3	3	6	6	0.01	626	
	313	2.25	1	342	342	770	770	1.09	705	
	313	2.45	2	543	272	1,331	666	1.73	767	
	313	2.75	1	4	4	11	11	0.01	861	
Total .....	313	2.37½	5	892	178	2,118	424	2.84	743	
Machinists' helpers.....	313	1.60½	2	89	45	143	72	0.28	503	
Masons .....	313	2.25	1	16	16	36	36	0.05	704	
	313	2.40	2	23	12	55	28	0.07	748	
	313	3.33½	2	12	6	40	20	0.04	1,043	
	313	3.62½	1	325	325	1,178	1,178	1.04	1,135	
Total .....	313	3.48	6	376	63	1,309	218	1.20	1,090	



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 10—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Mason and stoveman .....	365	\$1.98½	1	286	286	\$567	\$567	0.78	\$724
Masons' helpers .....	313	1.25	1	52	52	66	66	0.17	397
	313	1.35	1	301	301	407	407	0.96	423
	313	1.50	1	17	17	25	25	0.05	460
	313	1.60	1	15	15	24	24	0.05	501
	313	1.75	3	33	11	57	19	0.11	541
Total .....	313	1.38½	7	418	60	579	83	1.34	434
Moulders .....	365	1.41½	1	130	130	184	184	0.36	517
	365	1.65	1	135	135	223	223	0.37	603
Total .....	365	1.53½	2	265	133	407	204	0.73	561
Pipe fitters .....	313	1.65	1	104	104	170	170	0.33	512
	313	2.00	1	50	50	96	96	0.16	601
	313	2.25	1	9	9	20	20	0.03	696
Total .....	313	1.75½	3	163	54	286	95	0.52	549
Policemen .....	365	1.48	8	418	52	618	77	1.15	540
Sample boys .....	365	.50	2	177	89	89	45	0.48	184
	365	.75	1	135	135	101	101	0.37	273
Total .....	365	.61	3	312	104	190	63	0.85	222
Sample man .....	365	1.50	1	242	242	363	363	0.66	548
Scrapmen .....	365	1.64	1	237	237	390	390	0.65	601
	365	1.75	4	185	46	323	81	0.51	637
Total .....	365	1.69	5	422	84	713	143	1.16	617
Stock preparers .....	365	1.50	98	3,051	31	4,592	47	8.36	549
Storekeeper .....	365	1.65	1	339	339	559	559	0.93	602
Stoveman .....	365	2.00	1	337	337	655	655	0.92	709
Stoveman's helper .....	365	1.75	1	351	351	640	640	0.96	666
Timekeeper .....	365	1.52	1	335	335	510	510	0.92	556
Water boys .....	365	.75	1	213	213	160	160	0.58	274
	365	.90	6	517	86	463	77	1.42	327
Total .....	365	.85½	7	730	104	623	89	2.00	312
Water tenders .....	365	2.00	3	760	253	1,511	504	2.08	726
Weighman .....	365	1.97½	1	365	365	720	720	1.00	720
The establishment .....	.....	1.67½	507	45,039	89	α 75,519	149	127.65	592

α In addition \$2,667 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 51.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 22.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmith .....	313	\$2.20	1	300	300	\$660	\$660	0.96	\$689
Blacksmith's helpers .....	313	1.30	3	312	104	407	136	1.00	408
Bricklayers.....	313	3.00	1	2	2	6	6	0.01	939
	313	4.00	9	8	1	32	4	0.03	1,252
Total .....	313	3.80	10	10	1	38	4	0.04	1,189
Cindermen.....	365	1.55	17	3,106	183	4,808	283	8.51	565
Cinderman and iron handler..	365	1.62	1	254	254	411	411	0.70	591
Cinderman and laborer.....	365	1.48	1	108	108	160	160	0.30	541
Cleaners, stack .....	365	1.40	2	183	92	261	131	0.50	521
Cleaner, stack, and filler .....	365	1.51	1	291	291	440	440	0.80	552
Cleaner, stack, and keepers' helper.	365	1.50	1	18	18	27	27	0.05	548
Cleaner, stack, and stoveman..	365	1.55	1	357	357	554	554	0.98	566
Dumpers .....	365	1.40	5	907	181	1,271	254	2.48	511
Engineers .....	365	1.75	1	9	9	16	16	0.02	649
	365	2.00	8	775	97	1,549	194	2.12	730
Total .....	365	1.99½	9	784	87	1,565	174	2.14	729
Engineer and laborer.....	365	1.60	1	5	5	8	8	0.01	584
Fillers, bottom.....	365	1.50	31	6,236	201	9,308	300	17.08	545
Fillers, top.....	365	1.50	8	902	113	1,349	169	2.47	546
	365	1.55	4	403	101	626	157	1.10	567
Total .....	365	1.51½	12	1,305	109	1,975	165	3.57	552
Foreman.....	365	2.42	1	364	364	881	881	1.00	883
Foreman, iron handlers .....	365	2.50	1	364	364	910	910	1.00	913
Foreman and laborer .....	365	1.55	1	176	176	273	273	0.48	566
Iron handlers .....	365	1.70	25	2,009	80	3,412	136	5.50	620
Iron handler and laborer.....	365	1.55½	1	18	18	28	28	0.05	568
Keepers .....	365	1.90	2	695	348	1,328	664	1.90	697
Keepers' helpers .....	365	1.55	11	2,158	196	3,329	303	5.91	563
	365	1.65	3	889	296	1,457	486	2.44	598
Total .....	365	1.57	14	3,047	218	4,786	342	8.35	573
Keepers' helper and laborer ..	365	1.38½	1	13	13	18	18	0.04	505
Laborers .....	365	1.41½	62	3,468	56	4,907	79	9.50	516
Laborers and runners .....	365	1.48	2	224	112	331	166	0.61	539
Moulders .....	365	1.75	1	22	22	39	39	0.06	647
	365	2.25	2	306	153	689	345	0.84	822
Total .....	365	2.22	3	328	109	728	243	0.90	810
Rnnnermen.....	365	1.55	6	455	76	699	117	1.25	561
Stovemen.....	365	1.65	3	641	214	1,072	357	1.76	610
Weighmen.....	365	1.55	3	722	241	1,105	368	1.98	559
The establishment.....	.....	1.58½	221	26,700	121	42,371	192	73.76	574

a The earnings here shown are for one year. The statement for this establishment on page 51 is for six months only.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 32.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmiths .....	365	\$2.40	1	163	163	\$387	\$387	0.45	\$867
	365	2.90	1	135	135	392	392	0.37	1,060
Total .....	365	2.61½	2	298	149	779	390	0.82	954
Blacksmiths' helper .....	365	1.50	1	291	291	433	433	0.80	543
Brakemen .....	313	1.50	2	493	247	736	368	1.58	467
Bricklayer .....	313	4.33½	1	3	3	13	13	0.01	1,356
Cagemen .....	365	1.65	2	631	316	1,032	516	1.73	597
Carpenters .....	313	2.25	1	9	9	20	20	0.03	696
	313	2.40	1	275	275	657	647	0.88	748
Total .....	313	2.38½	2	284	142	677	339	0.91	746
Cinder tappers .....	365	1.50	1	328	328	491	491	0.90	546
	365	1.65	3	616	205	1,004	335	1.69	595
Total .....	365	1.58½	4	944	236	1,495	374	2.59	578
Cinder tapper and driver .....	365	1.60	1	249	249	398	398	0.63	583
Cinder tapper and iron hand- ler.	365	2.25½	1	71	71	160	160	0.19	823
Cinder tappers and laborers ..	365	1.49½	4	562	141	840	210	1.54	546
Cinder tapper and ore breaker	365	1.52½	1	143	143	218	218	0.39	556
Coke cleaner .....	365	1.50	1	37	37	54	54	0.10	533
Coke cleaner and ore breaker.	365	1.48½	1	293	293	442	442	0.82	541
Engineers .....	365	2.40	2	729	365	1,724	862	2.00	863
Engineers, locomotive .....	313	1.50	1	186	186	283	283	0.59	476
	313	2.00	2	332	166	661	331	1.06	623
Total .....	313	1.82	3	518	173	944	315	1.65	570
Fillers .....	365	1.40	1	5	5	7	7	0.01	511
	365	1.50	2	304	152	461	231	0.83	554
	365	1.65	26	3,965	153	6,485	249	10.86	597
Total .....	365	1.62½	29	4,274	147	6,953	240	11.70	594
Fillers, top .....	365	2.00	6	1,334	222	2,626	438	3.65	719
Filler and iron handler .....	365	2.34	1	68	68	159	159	0.19	853
Fillers and laborers .....	365	1.55	4	304	76	471	118	0.83	566
Filler and ore breaker .....	365	1.55	1	111	111	172	172	0.30	566
Fireman .....	365	2.25	1	324	324	718	718	0.89	809
Firemen, locomotive .....	313	1.55	2	192	96	302	151	0.61	492
	313	1.65	3	328	109	532	177	1.05	508
Total .....	313	1.60½	5	520	104	834	167	1.66	502
Fireman and laborer .....	365	1.48	1	114	114	169	169	0.31	541
Foreman .....	365	2.65	1	360	360	954	954	0.99	967
Helpers .....	365	1.65	8	1,905	238	3,116	390	5.22	597
Helpers and laborers .....	365	1.48	2	81	41	120	60	0.22	541
Hostler and laborer .....	365	1.60	1	360	360	585	585	1.00	583
Iron handlers .....	365	1.38½	1	13	13	18	18	0.04	505
	365	2.17	1	314	314	682	682	0.86	793
	365	2.32	7	1,153	165	2,673	382	3.16	846
	365	2.49½	2	348	174	869	435	0.95	917
Total .....	365	2.32	11	1,828	166	4,242	386	5.01	847
Iron handlers and laborers .....	365	1.70	5	337	67	573	115	0.92	621
Keepers .....	365	2.25	2	666	333	1,495	748	1.82	819

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 32—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborers .....	313	\$1.00	3	295	98	\$302	\$101	0.94	\$320
	313	1.40	154	5,233	34	7,375	48	16.72	411
	313	1.50	26	1,439	55	2,141	82	4.60	466
	313	1.60	9	79	9	124	14	0.25	491
Total .....	313	1.41	192	7,046	37	9,942	52	22.51	442
Limestone breakers.....	365	1.50	4	751	188	1,121	280	2.06	545
Machinist .....	313	2.61	1	299	299	781	781	0.96	818
Ore breakers .....	365	1.50	11	801	73	1,182	107	2.19	539
Repairer, car .....	313	1.60	1	352	352	563	563	1.12	501
Stockers and water tenders...	365	1.67	2	642	321	1,071	536	1.76	609
Stovemmen.....	365	1.65	2	623	312	1,010	505	1.71	592
Teamster(with team) .....	313	2.40	1	9	9	21	21	0.03	730
Watchman .....	365	1.50	1	317	317	473	473	0.87	545
The establishment .....	.....	1.70	321	28,983	90	40,296	154	83.73	589

## ESTABLISHMENT No. 41.

Carpenter .....	143	\$2.00	1	142	142	\$284	\$284	0.99	\$286
Carpenter and laborer .....	143	1.35	1	145	145	196	196	1.01	193
Engineers .....	167	2.00	2	334	167	668	334	2.00	334
Fillers .....	167	1.50	10	1,441	144	2,162	216	8.63	251
Fillers, top.....	167	1.65	2	335	168	553	277	2.01	276
Foreman.....	167	2.25	1	169	160	379	379	1.01	375
Iron barrow man .....	167	1.65	1	78	78	129	129	0.47	276
Iron movers .....	167	1.37½	1	130	130	186	186	0.78	239
	167	1.50	6	857	143	1,268	211	5.13	247
	167	1.65	2	316	158	521	261	1.80	275
Total .....	167	1.51½	9	1,303	145	1,975	219	7.80	253
Iron mover and moulders' helper.	167	1.57	1	167	167	262	262	1.00	262
Keepers .....	167	1.85	2	328	164	606	303	1.96	309
Laborers.....	143	1.12½	19	794	42	913	48	5.55	164
	143	1.25	25	2,593	104	3,169	127	18.13	175
Total .....	143	1.20½	44	3,387	77	4,082	93	23.68	172
Laborer and slagman .....	167	1.35	1	134	134	181	181	0.80	226
Laborer and stock breaker....	167	1.30	1	151	151	196	196	0.90	217
Moulders .....	167	1.65	3	331	110	546	182	1.98	275
Moulders' helpers .....	167	1.50	2	316	158	474	237	1.89	251
Ovenmen .....	167	1.75	2	329	165	577	289	1.97	293
Slagmen .....	167	1.50	7	837	120	1,255	179	5.01	250
Stableman .....	167	1.62½	1	166	166	270	270	0.99	272
Stock breakers .....	167	1.37½	11	1,522	138	2,093	190	9.11	230
Timekeeper .....	167	1.63½	1	167	167	273	273	1.00	273
The establishment.....	.....	1.45½	103	11,782	114	17,161	167	74.21	231

a The earnings here shown include amounts paid a few employés not in the pig iron department, which it was impossible to exclude. The statement for this establishment on page 51 is for pig iron only.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

## ESTABLISHMENT No. 42.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmith.....	313	\$2. 75	1	294	294	\$808	\$808	0. 94	\$860
Blacksmiths' helpers.....	313	1. 50	2	308	154	461	231	0. 98	468
Boiler cleaners .....	365	. 50	14	92	7	46	3	0. 25	133
	365	. 75	1	14	14	11	11	0. 04	287
	365	1. 00	6	71	12	71	12	0. 19	365
	365	1. 12½	8	61	8	68	9	0. 17	407
Total .....	365	. 82½	29	238	8	196	7	0. 65	301
Boiler cleaners and laborers..	365	1. 04	3	71	24	74	25	0. 19	380
	365	1. 17	1	88	88	103	103	0. 24	427
Total .....	365	1. 11½	4	159	40	177	44	0. 43	406
Brakemen .....	365	1. 50	2	496	248	744	372	1. 36	548
Carpenters .....	313	1. 75	1	204	204	357	357	0. 65	548
	313	2. 25	1	4	4	9	9	0. 01	704
	313	2. 75	1	288	288	792	792	0. 92	861
Total .....	313	2. 33½	3	496	165	1, 158	386	1. 58	731
Cindermen.....	365	1. 50	2	623	312	935	468	1. 71	548
Cindermen and laborers .....	365	1. 41	2	507	254	716	358	1. 39	515
Coal screeners .....	365	1. 25	1	302	302	378	378	0. 83	457
	365	1. 35	3	659	220	889	296	1. 81	492
Total .....	365	1. 32	4	961	240	1, 267	317	2. 64	481
Engineers, furnace .....	365	1. 85	2	714	357	1, 321	661	1. 96	675
Engineers, locomotive .....	365	1. 85	2	718	359	1, 329	665	1. 97	676
Fillers .....	365	1. 50	2	236	118	343	172	0. 65	530
Fillers, bottom.....	365	1. 50	14	3, 666	262	5, 464	390	10. 04	544
	365	1. 65	1	327	327	538	538	0. 90	601
Total .....	365	1. 50½	15	3, 993	266	6, 002	400	10. 94	549
Fillers, top.....	365	1. 50	6	1, 703	284	2, 546	424	4. 67	546
	365	1. 65	2	692	346	1, 142	571	1. 90	602
Total .....	365	1. 54	8	2, 395	299	3, 688	461	6. 57	562
Fillers and laborers.....	365	1. 38½	13	2, 456	189	3, 402	262	6. 73	506
Firemen, locomotive .....	365	1. 50	2	700	350	1, 050	525	1. 92	548
Foremen.....	365	1. 97	1	365	365	720	720	1. 00	720
	365	2. 25	1	306	306	687	687	0. 84	819
Total .....	365	2. 09½	2	671	336	1, 407	704	1. 84	765
Helpers.....	365	1. 65	9	2, 452	272	4, 061	451	6. 72	605
Helper and laborer.....	365	1. 42½	1	330	330	470	470	0. 90	520
Iron handlers.....	365	2. 23	4	1, 400	365	3, 258	815	4. 00	815
Iron sorter.....	365	1. 40	1	286	286	400	400	0. 78	510
Keepers .....	365	1. 85	2	680	340	1, 268	634	1. 86	681
Laborers.....	313	1. 25	49	9, 317	190	11, 512	235	29. 77	387
Laborer and machinists' helper	365	1. 41½	1	346	346	489	489	0. 95	516
Laborer and stock breaker....	365	1. 32	1	339	339	447	447	0. 93	481
Machinists .....	365	1. 65	1	325	325	536	536	0. 89	602
	365	2. 15	1	359	359	772	772	0. 98	785
Total .....	365	1. 91	2	684	342	1, 308	654	1. 87	698



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 42—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total	Aver- age.	Total	Aver- age.		
Machinists' helpers.....	365	\$1.00	2	315	158	\$320	\$163	0.86	\$378
Masons .....	313	2.43½	1	327	327	797	797	1.04	763
	313	3.00	3	56	19	168	56	0.18	939
Total .....	313	2.52	4	383	96	965	241	1.22	789
Mouldors .....	365	1.50	1	325	325	487	487	0.89	547
	365	2.50	1	76	76	190	190	0.21	913
Total .....	365	1.69	2	401	201	677	339	1.10	616
Repairers.....	313	1.50	2	352	176	528	264	1.12	470
Stablemen.....	365	1.15	1	41	41	48	48	0.11	427
	365	1.33	1	288	288	383	383	0.79	485
Total .....	365	1.31	2	329	165	431	216	0.90	478
Stock breakers .....	365	1.45	7	2,282	326	3,304	472	6.25	528
Stove tenders .....	365	2.15	2	713	357	1,533	767	1.95	785
Teamsters (with team).....	313	3.00	2	146	73	436	218	0.47	935
Water tenders.....	365	1.50	2	591	296	888	444	1.62	548
Weighmen.....	365	1.50	2	642	321	967	484	1.76	550
The establishment.....	.....	1.53½	192	38,013	198	58,272	304	109.29	533

ESTABLISHMENT No. 49.

Blacksmiths.....	365	\$1.67½	2	458	229	\$767	\$384	1.25	\$611
Carpenter .....	313	1.60	1	314	314	502	502	1.00	500
Cindermen.....	365	1.25	12	2,719	227	3,390	283	7.45	455
Cinderman and helper.....	365	1.32	1	320	320	423	423	0.88	482
Cinderman and iron handler..	365	1.78½	1	103	103	184	184	0.28	652
Engineers .....	365	1.60	1	366	366	585	585	1.00	583
	365	1.97	1	365	365	720	720	1.00	720
Total .....	365	1.78½	2	731	366	1,305	658	2.00	652
Fillers .....	365	1.35	25	4,239	170	5,742	230	11.61	494
Fillers, top.....	365	1.60	2	673	337	1,058	529	1.84	574
Filler and koeper.....	365	1.69	1	354	354	599	599	0.97	618
Firemon .....	365	1.35	3	705	235	962	321	1.93	498
Foremen .....	365	1.80	1	359	359	646	646	0.98	657
	365	3.29	1	365	365	1,200	1,200	1.00	1,200
Total .....	365	2.55	2	724	362	1,846	923	1.98	931
Helpers.....	365	1.45	5	973	195	1,388	278	2.67	521
	365	1.55	2	385	193	601	301	1.05	570
Total .....	365	1.46½	7	1,358	194	1,989	284	3.72	535
Hot-blast man.....	365	1.53½	1	365	365	561	561	1.00	561
Iron handlers.....	365	1.88½	1	310	310	585	585	0.85	689
	365	2.00	11	1,281	116	2,537	231	3.51	723
Total .....	365	1.96	12	1,591	133	3,122	260	4.36	716

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

## ESTABLISHMENT No. 49—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workman had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Keepers .....	365	\$1.80	2	513	259	\$932	\$469	1.42	\$657
Laborers.....	319	1.10	4	188	47	209	52	0.60	348
	313	1.15	2	48	24	54	27	0.15	352
	313	1.25	12	990	75	1,129	94	2.88	393
	313	1.35	12	2,867	239	3,793	316	9.16	414
Total .....	313	1.20½	30	4,003	133	5,185	173	12.70	405
Stableman .....	365	1.15	1	357	357	411	411	0.98	420
Stockers .....	365	1.25	3	825	275	1,039	346	2.26	460
	365	1.35	4	1,061	265	1,432	358	2.91	493
Total .....	305	1.31	7	1,886	269	2,471	353	5.17	478
Teamsters (with team) .....	313	3.13	2	46	23	144	72	0.15	980
The establishment.....		1.47	114	21,464	188	231,593	277	60.78	520

## ESTABLISHMENT No. 55.

Blacksmith .....	155	\$2.50	1	166	166	\$415	\$415	1.07	\$388
Blacksmith's helper .....	155	1.60	1	177	177	286	286	1.14	250
Cagemen .....	181	2.00	2	352	176	703	352	1.94	361
Carpenter .....	155	2.50	1	149	149	373	373	0.96	388
Cindermen .....	181	1.75	12	1,034	86	1,800	150	5.71	315
Cindermen and fillers .....	181	1.62	2	23	12	85	18	9.13	275
Cindermen and laborers .....	181	1.58	4	50	13	79	20	0.28	286
Cindermen and metal carriers .....	181	2.12½	2	185	93	393	197	1.02	385
	181	2.68	1	153	153	410	410	0.85	485
Total .....	181	2.37½	3	338	113	803	208	1.87	430
Coke-dust man .....	181	1.40	1	179	179	251	251	0.90	254
Engineers .....	181	2.25	2	332	166	746	373	1.83	407
	181	3.25	1	182	182	592	592	1.01	589
Total .....	181	2.00½	3	514	171	1,338	446	2.84	471
Fillers .....	181	1.30	2	9	5	12	6	0.05	241
	181	1.40	32	3,057	96	4,283	134	10.89	254
	181	1.53½	2	291	146	447	224	1.61	278
Total .....	181	1.41½	36	3,357	93	4,742	132	18.55	256
Fillers, bottom .....	181	1.70	16	2,378	149	4,028	252	13.14	307
Fillers, top .....	181	2.10	4	661	165	1,385	346	3.65	379
Filler and metal carrier .....	181	1.65½	1	147	147	243	243	0.81	299
Filler and scraper .....	181	1.55½	1	47	47	73	73	0.26	281
Foremen .....	181	2.50	1	183	183	455	455	1.01	450
	181	3.00	1	182	182	540	546	1.01	543
Total .....	181	2.74	2	365	183	1,001	501	2.02	496

<sup>a</sup> The earnings here shown are for one year. The statement for this establishment on page 51 is for nine months only.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 55—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Foreman, laborers .....	181	\$2.00	1	180	180	\$357	\$357	0.99	\$359
Hot-blast men .....	181	1.25	1	65	65	81	81	0.36	226
	181	1.30	1	152	152	208	208	0.84	248
	181	1.75	2	370	185	647	324	2.04	317
Total .....	181	1.59½	4	587	147	936	234	3.24	289
Hot-blast man and scraper....	181	1.59½	1	168	168	268	268	0.93	289
Keepers .....	181	2.30	2	305	153	700	350	1.69	415
Keepers' helpers.....	181	1.75	7	823	118	1,443	206	4.55	317
	181	1.90	2	353	177	690	345	1.95	354
Total .....	181	1.81½	9	1,176	131	2,133	237	6.50	328
Keepers' helper and laborer..	181	1.50½	1	152	152	229	229	0.84	273
Keepers' helper and metal carrier.	181	2.39	1	18	18	43	43	0.16	432
Keepers' helper and scraper..	181	1.60½	1	172	172	276	276	0.95	290
Laborers.....	155	1.30	47	2,544	54	3,362	72	16.41	205
	155	1.40	2	137	69	193	97	0.88	218
	155	1.50	4	160	40	239	60	1.03	232
Total .....	155	1.33½	53	2,841	54	3,704	72	18.32	207
Laborers and scrapers .....	181	1.44½	3	218	73	315	105	1.20	262
Metal carriers .....	181	3.01	8	886	111	2,665	333	4.90	544
Oiler .....	181	1.35	1	182	182	246	246	1.01	245
Scrapers.....	181	1.50	3	13	4	20	7	0.07	278
Water tenders.....	181	1.75	3	333	111	589	196	1.84	320
Weighmen .....	181	1.75	2	354	177	620	310	1.96	317
The establishment.....	.....	1.75½	183	17,522	96	30,746	168	99.90	308

ESTABLISHMENT No. 58.

Barrow helpers .....	365	\$1.40	16	3,555	222	\$5,015	\$313	0.74	\$515
Barrow helper and coke forker.	365	1.45	1	294	294	427	427	0.81	530
Barrow helpers and fillers .....	365	1.48½	5	1,481	296	2,196	439	4.06	541
Barrow helper and laborer....	365	1.45	1	283	283	410	410	0.78	529
Barrow helpers and stock-housemen.	365	1.47	3	709	256	1,132	377	2.11	537
Blacksmiths .....	313	2.00	1	307	307	615	615	0.98	627
	313	2.30	1	309	309	711	711	0.99	720
	313	3.00	1	308	308	925	925	0.98	940
Total .....	313	2.40½	3	924	308	2,251	750	2.95	763
Blacksmiths' helpers .....	313	1.50	1	284	284	445	445	0.91	490
	313	1.65	2	571	286	930	470	1.82	515
	313	1.75	1	313	313	548	548	1.00	548
Total .....	313	1.65½	4	1,168	292	1,922	483	3.73	518

a The earnings shown here and for this establishment on page 51, although for the same length of time, are for different periods.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 58—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conso- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Brakemen .....	365	\$1.70	14	3,024	216	\$5,099	\$364	8.28	\$615
	365	1.85	1	46	46	84	84	0.13	667
	365	2.00	5	687	137	1,356	271	1.88	720
Total .....	365	1.74	20	3,757	188	6,539	327	10.29	635
Brakeman and casthouse man.	365	1.62	1	168	168	272	272	0.46	591
Brakeman and dumper .....	365	1.63½	1	346	346	566	566	0.95	597
Brakemen and laborers .....	365	1.59½	3	666	222	1,061	354	1.82	581
Carpenters .....	313	1.87	1	294	294	550	550	0.94	586
	313	2.00	9	2,013	224	4,026	447	6.43	626
	313	2.25	1	306	306	689	689	0.98	705
Total .....	313	2.01½	11	2,613	233	5,265	479	8.35	631
Casthouse men .....	365	1.25	1	194	194	243	243	0.53	457
	365	1.40	1	297	297	422	422	0.81	519
	365	1.45	13	2,167	167	3,175	244	5.94	535
	365	1.55	6	1,617	270	2,503	417	4.43	565
	365	1.60	1	319	319	519	519	0.87	594
	365	1.70	1	83	83	143	143	0.23	629
Total .....	365	1.50	23	4,677	203	7,005	305	12.81	547
Casthouse man and cinder snapper.	365	1.57½	1	336	336	529	529	0.92	575
Cinder snappers .....	365	1.80	9	2,173	241	3,849	428	5.95	647
Cinder snapper and laborer ..	365	1.64	1	137	137	225	225	0.38	599
Cinder snapper and woolman.	365	1.68	1	248	248	417	417	0.68	614
Cleaner, office .....	313	.37½	1	300	300	113	113	0.96	118
Coke forkers .....	365	1.40	17	4,479	263	6,310	371	12.27	514
	365	1.55	1	351	351	537	537	0.96	558
Total .....	365	1.42	18	4,830	268	6,847	380	13.23	517
Coke forker and laborer .....	365	1.44½	1	256	256	370	370	0.70	528
Coke forkers and stockhouse men.	365	1.46	2	545	273	795	398	1.49	532
Drivers .....	313	1.50	2	496	248	734	367	1.58	463
Dumper .....	365	1.50	1	363	363	550	550	0.99	553
Dumper and laborer .....	365	1.50½	1	194	194	292	292	0.53	549
Engineers .....	365	2.25	4	1,215	304	2,733	683	3.33	821
	365	2.50	4	997	249	2,479	620	2.73	908
	365	2.75	1	367	367	1,009	1,009	1.01	1,004
	365	3.50	1	364	364	1,274	1,274	1.00	1,278
Total .....	365	2.54½	10	2,943	294	7,495	750	8.07	930
Engineer and foreman .....	365	2.95	1	251	251	740	740	0.69	1,076
Engineer and laborer .....	365	1.84	1	179	179	329	329	0.49	671
Fillers, coke .....	365	1.55	19	5,207	274	8,008	421	14.27	561
Fillers, lime .....	365	1.55	11	3,381	307	5,259	478	9.26	568
Fillers, ore .....	365	1.54	19	5,081	267	7,828	412	13.92	562
Fillers, top .....	365	1.82½	3	803	268	1,466	489	2.20	666
	365	1.95	8	2,541	318	4,924	616	6.96	707
Total .....	365	1.91	11	3,344	304	6,390	581	9.16	697
Fillers and laborers .....	365	1.51	3	809	270	1,223	408	2.22	552
	365	1.81½	2	640	320	1,160	580	1.75	662
Total .....	365	1.61½	5	1,449	290	2,383	477	3.97	600



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 58—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Differential employés.	Days of work done.		Earnings.		Necessary employés.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Firemen .....	365	\$1.75	3	740	247	\$1,287	\$429	2.03	\$635
	365	1.85	4	1,132	233	2,092	523	3.10	675
	365	2.00	1	343	343	670	670	0.94	713
Total .....	365	1.83	8	2,215	277	4,049	506	6.07	667
Firemen's helpers .....	365	1.50	1	250	250	374	374	0.68	546
	365	1.55	1	239	239	448	448	0.79	566
Total .....	365	1.52½	2	539	270	822	411	1.47	557
Flagman .....	365	1.55	1	219	219	339	339	0.60	565
Flagman and storekeeper .....	365	1.44½	1	317	317	458	458	0.87	527
Foremen .....	365	2.50	3	854	285	2,166	722	2.34	926
	313	2.88½	1	312	312	900	900	1.00	903
	313	3.00	1	312	312	935	935	1.00	938
	365	2.42½	1	364	364	1,246	1,246	1.00	1,249
	365	4.00	2	220	110	880	440	0.60	1,460
Total .....	347	2.97	8	2,062	258	6,127	766	5.94	1,031
Helper and moulder .....	365	1.72	1	347	347	597	597	0.95	628
Hostler .....	365	1.45	1	362	362	526	526	0.99	530
Inspectors, car .....	365	1.50	3	535	195	884	295	1.60	552
	365	1.60	2	716	358	1,145	573	1.96	584
Total .....	365	1.56	5	1,301	260	2,029	406	3.56	569
Keepers .....	365	2.66½	2	651	326	1,736	868	1.78	973
	365	3.00	2	690	345	2,070	1,035	1.89	1,095
Total .....	365	2.84	4	1,341	335	3,806	952	3.67	1,036
Keepers' helpers .....	365	1.78½	20	5,466	273	9,751	488	14.98	651
Keepers' helper and laborer ..	365	1.69	1	119	119	201	201	0.33	617
Laborers .....	313	.75	3	132	44	90	33	0.42	235
	313	1.40	216	12,855	52	18,077	73	41.07	440
	313	1.45	25	2,390	96	3,465	139	7.64	454
	313	1.50	13	799	61	1,195	92	2.55	468
	313	1.55	7	587	84	896	128	1.88	478
	313	1.65	1	3	3	5	5	0.01	522
	313	1.75	3	363	121	634	211	1.16	547
	313	1.80	1	5	5	9	9	0.02	563
	313	2.00	1	3	3	6	6	0.01	626
Total .....	313	1.42½	300	17,137	57	24,386	81	54.76	445
Laborers and metal carriers ..	313	1.70½	2	17	9	29	15	0.05	534
Laborer and scaleman .....	365	1.56½	1	164	164	247	247	0.45	550
Laborers and stockhouse men ..	365	1.48½	6	937	166	1,461	244	2.73	535
Lightman .....	365	2.00	1	346	346	685	685	0.95	723
Machinists .....	313	1.50	1	315	315	474	474	1.01	471
	313	1.65	1	296	296	487	487	0.95	515
	313	1.90	1	317	317	606	606	1.01	598
Total .....	313	1.69	3	928	309	1,567	522	2.97	529
Mason .....	313	1.90	1	314	314	596	596	1.00	594
Metal carriers .....	313	(a)	(b)	(a)	(a)	16,093	(b)	(a)	(a)
Painters .....	313	.75	1	59	59	44	44	0.19	233
	313	1.50	1	88	88	133	133	0.28	473
	313	2.00	2	224	112	448	224	0.72	626
Total .....	313	1.66½	4	371	93	625	156	1.19	527

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
b Number of employés not given.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A.—Pig Iron; NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 58—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- ees.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent averag earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Railroad boss.....	313	\$2.00	1	297	297	\$594	\$594	0.95	\$626	
Scalemen.....	365	1.60	12	3,361	330	9,266	522	10.85	577	
Stockhouse men.....	365	1.40	6	952	159	1,359	227	2.61	521	
	365	1.45	1	261	261	378	378	0.72	529	
	365	1.55	14	2,822	202	4,352	311	7.73	563	
Total.....	365	1.51	21	4,035	192	6,089	290	11.06	551	
Storekeeper.....	365	1.40	1	14	14	20	20	0.04	521	
Stovemén.....	365	1.08	1	307	307	609	609	0.84	724	
	365	2.10	3	800	297	1,865	622	2.44	765	
Total.....	365	2.06½	4	1,197	299	2,474	619	3.28	754	
Timekeeper.....	313	2.88½	1	312	312	900	900	1.00	903	
Unloaders.....	313	(a)	(b)	(a)	(a)	3,438	(b)	(a)	(a)	
Watchmen.....	365	1.60	1	361	361	578	578	0.99	584	
Water boys.....	365	.75	6	396	66	297	50	1.08	274	
	365	.88	2	231	116	203	102	0.63	321	
Total.....	365	.79½	8	627	78	500	63	1.71	291	
Water tenders.....	365	2.10	2	709	355	1,495	748	1.94	770	
Wipers.....	365	1.50	4	989	247	1,501	375	2.71	554	
	365	1.67½	1	74	74	124	124	0.20	612	
Total.....	365	1.53	5	1,063	213	1,625	325	2.91	558	
Woolmen.....	365	1.45	1	73	73	108	108	0.20	540	
	365	1.55	3	518	173	804	268	1.42	567	
	365	1.60	1	318	318	513	513	0.87	589	
Total.....	365	1.57	5	909	182	1,425	285	2.49	572	
Yardmaster.....	365	2.25	1	291	291	655	655	0.80	822	
The establishment.....	.....	(c)	(c)	(c)	(c)	d187,677	(c)	(c)	(c)	

ESTABLISHMENT No. 67.

Blacksmith .....	313	\$1.90	1	317	317	\$601	\$601	1.01	\$593
Boilermen .....	365	1.60	1	319	319	519	519	0.87	594
	365	1.70	1	35	35	60	60	0.10	626
Total .....	365	1.63½	2	354	177	579	290	0.97	597
Brakeman, locomotive .....	365	1.38½	1	246	246	341	341	0.67	506
Carpenter .....	313	1.60	1	289	289	463	463	0.92	501
Engineers, furnace .....	365	2.37	1	345	345	818	818	0.95	865
	365	3.00	1	340	340	1,021	1,021	0.93	1,096
Total .....	365	2.68½	2	685	343	1,839	920	1.88	980

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employ-ées not given.

c No total can be made for reasons shown in the preceding footnotes.

d The earnings here shown are for one year. The statement for this establishment on page 52 is for two months only.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## A. Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 67—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings por em- ployé.
				Total.	Aver- age.	Total	Aver- age.		
Engineer, hoisting . . . . .	365	\$2.00	1	340	340	\$671	\$671	0.93	\$720
Engineer, locomotive . . . . .	365	3.00	1	28	28	85	85	0.08	1,108
Fillers . . . . .	365	1.60	23	5,202	226	8,330	362	14.25	584
	365	1.65	4	548	137	907	227	1.50	604
	365	1.85	1	165	165	302	302	0.45	668
Total . . . . .	365	1.61½	28	5,915	211	9,539	341	16.20	589
Fillers and laborers . . . . .	365	1.45	13	2,391	184	3,467	267	6.55	529
Foremen . . . . .	313	1.90	1	106	106	205	205	0.34	605
	365	2.50	2	603	302	1,527	764	1.65	924
Total . . . . .	356	2.44½	3	709	236	1,732	577	1.99	870
Helpers . . . . .	365	1.60	6	1,266	211	2,058	343	3.47	594
	365	1.70	2	582	291	988	494	1.59	620
Total . . . . .	365	1.65	8	1,848	231	3,047	381	5.06	602
Hoisters . . . . .	365	1.80	1	332	332	595	595	0.91	654
Iron handlers . . . . .	365	1.60	9	2,443	271	3,924	436	6.69	586
	365	1.66½	2	140	70	233	117	0.38	607
Total . . . . .	365	1.61	11	2,583	235	4,157	378	7.07	587
Keepers . . . . .	365	2.00	2	401	231	946	473	1.26	749
	365	2.25	1	335	335	727	727	0.92	792
Total . . . . .	365	2.10	3	796	265	1,673	558	2.18	767
Laborers . . . . .	313	1.25	48	4,930	103	6,364	133	15.75	404
Masons . . . . .	313	3.50	5	43	9	150	30	0.14	1,092
Slagmen . . . . .	365	1.60	6	1,583	264	2,579	430	4.34	595
Stovemén . . . . .	365	1.60½	2	680	340	1,092	546	1.86	586
Trackman . . . . .	313	1.40	1	295	295	413	413	0.94	438
Yardmaster . . . . .	365	2.00	1	321	321	642	642	0.88	730
The establishment . . . . .		1.62	139	24,685	178	40,029	288	70.33	569

ESTABLISHMENT No. 83.

Carpenter .....	79	\$1.75	1	79	79	\$138	\$138	1.00	\$138
Driver .....	92	.60	1	92	92	55	55	1.00	55
Engineers .....	92	1.66	2	172	86	286	143	1.87	153
Fillers, coke .....	92	1.20	6	342	57	412	69	3.72	111
Fillers, ore .....	92	1.42	4	316	79	449	112	3.43	131
Fillers, top .....	92	1.67½	2	164	82	275	138	1.78	154
Fireman .....	92	1.64½	1	92	92	150	150	1.00	150
Helpers .....	92	1.42	3	255	85	863	121	2.77	131
	92	1.50	1	105	105	161	161	1.14	141
Total .....	92	1.45½	4	360	90	524	131	3.91	134
Keepers .....	92	1.90	2	160	80	304	152	1.74	175
Laborers .....	79	.75	1	16	16	11	11	0.20	54

a In addition \$1,361 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 592.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued

## A.—Pig Iron: NORTHERN DISTRICT OF THE UNITED STATES—Concluded.

ESTABLISHMENT No. 83—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborers—concluded .....	79	\$1.00	1	15	15	\$15	\$15	0.19	\$79
	79	1.15	4	132	33	150	38	1.67	90
	79	1.25	4	232	58	286	72	2.94	97
	79	1.37½	2	69	35	95	48	0.87	100
Total .....	79	1.20	12	464	39	557	46	5.87	95
Laborers, furnace .....	79	1.10	1	84	84	93	93	1.06	87
	79	1.15	1	72	72	83	83	0.91	91
Total .....	79	1.13	2	156	78	176	88	1.97	83
Machinist .....	79	1.65	1	78	78	129	129	0.99	131
Scrapman .....	92	1.80	1	5	5	9	9	0.05	166
Slagmen .....	92	1.87	4	363	91	679	170	3.95	172
Stableman .....	92	1.15	1	92	92	105	105	1.00	195
Stock unloader .....	79	1.40	1	20	20	28	28	0.25	111
Toamsters (with teams) .....	79	3.00	3	151	50	453	151	1.91	237
The establishment .....	.....	1.52½	48	3,106	65	4,729	99	35.44	133

ESTABLISHMENT No. 84.

Blacksmith .....	104	\$1.35	1	104	104	\$141	\$141	1.00	\$141
Carpenter .....	104	2.00	1	20	20	40	40	0.19	208
Cinder tappers .....	122	1.20	4	419	105	501	125	3.43	146
Cinder tapper and gutterman .....	122	1.28½	1	7	7	9	9	0.06	157
Cinder tapper and laborer .....	122	1.13½	1	44	44	50	50	0.36	139
Cinder tappers' helpers .....	122	1.10	3	216	72	238	79	1.77	134
Conductor .....	122	1.25	1	94	94	117	117	0.77	152
Engineers .....	122	1.45	2	129	65	187	94	1.06	177
	122	1.65	1	115	115	190	190	0.94	202
Total .....	122	1.54½	3	244	81	377	126	2.00	189
Fillers, bottom .....	122	1.20	8	677	85	807	101	5.55	145
Fillers, top .....	122	1.45	2	235	118	340	170	1.93	177
Fillers and laborers .....	122	1.00½	11	604	55	662	60	4.95	134
Guttermen .....	122	1.40	4	420	105	588	147	3.44	171
Keepers .....	122	1.45	2	231	116	335	168	1.89	177
Keepers' helpers .....	122	1.20	2	224	112	269	135	1.84	147
	122	1.30	2	237	119	309	155	1.94	159
Total .....	122	1.25½	4	461	115	578	145	3.78	153
Laborers .....	122	1.00	34	2,030	60	2,073	61	16.64	125
Stableman .....	122	1.00	1	122	122	122	122	1.00	122
Stock breaker .....	122	1.00	1	105	105	105	105	0.86	122
Weighmen .....	122	1.25	2	215	108	268	134	1.76	152
Yardmaster .....	122	1.50	1	122	122	183	183	1.00	183
The establishment .....	.....	1.18½	85	6,370	75	7,534	86	52.38	144

<sup>a</sup> In addition \$140 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 592.

<sup>b</sup> The earnings shown here and for this establishment on page 52, although for the same length of time, are for different periods.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## B.—Pig Iron: SOUTHERN DISTRICT OF THE UNITED STATES.

ESTABLISHMENT No. 95.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Brakemen .....	334	\$1.25	1	205	205	\$256	\$256	0.61	\$417
	334	1.35	2	151	76	204	102	0.45	451
Total .....	334	1.29	3	356	119	460	153	1.06	432
Cindertappers .....	334	1.15	10	244	24	281	28	0.73	385
	334	1.30	44	1,666	38	2,160	49	4.99	433
	334	1.40	1	236	236	325	325	0.71	460
	334	1.45	2	494	247	716	358	1.48	484
Total .....	334	1.32	57	2,640	46	3,482	61	7.91	441
Cinder tappers and fillers. ....	334	1.16½	4	79	20	92	23	0.24	389
Cinder tapper and laborer ....	334	1.20	1	5	5	6	6	0.01	401
Engineers .....	334	2.00	7	808	115	1,597	228	2.42	660
	334	2.60	1	5	5	13	13	0.01	868
	334	3.25	1	28	28	91	91	0.08	1,086
Total .....	334	2.02½	9	841	93	1,701	189	2.51	676
Engineer and wiper .....	334	1.14	1	303	303	345	345	0.91	380
Fillers .....	334	1.36	3	385	128	524	175	1.15	455
Filler, bottom .....	334	1.33½	1	3	3	4	4	0.01	445
Fillers, stockhouse .....	334	1.00	3	7	2	7	2	0.02	334
	334	1.15	190	6,146	32	7,104	37	18.40	386
	334	1.25	2	615	308	769	385	1.84	418
Total .....	334	1.16½	195	6,768	35	7,880	40	20.26	389
Fillers, top .....	334	1.75	2	496	248	866	433	1.49	583
Filler and keepers' helper .....	334	1.33½	1	3	3	4	4	0.01	445
Firemen .....	334	1.50	4	680	170	1,020	255	2.04	501
Foremen .....	334	2.00	1	55	55	110	110	0.16	668
	334	2.37	2	475	238	1,125	563	1.42	791
Total .....	334	2.33	3	530	177	1,235	412	1.58	778
Iron handlers .....	334	1.20	2	150	75	182	91	0.45	405
	334	1.50	3	228	76	348	116	0.68	510
	334	1.66½	1	3	3	5	5	0.01	557
Total .....	334	1.40½	6	381	64	535	89	1.14	469
Keepers .....	334	1.75	2	580	290	1,011	506	1.74	582
Keepers' helpers .....	334	1.40	15	1,334	89	1,868	125	3.99	468
Laborers .....	334	1.00	27	618	23	628	23	1.85	339
	334	1.10	1	76	76	85	85	0.23	374
	334	1.15	4	17	4	20	5	0.05	393
	334	1.25	1	72	72	90	90	0.22	418
	334	1.35	4	72	18	98	25	0.22	455
Total .....	334	1.07½	37	855	23	921	25	2.57	360
Laborer and stoveman .....	334	1.21½	1	23	23	28	28	0.07	407
Repairer, car .....	334	2.25	1	4	4	9	9	0.01	752
Scrapmen .....	334	1.00	5	290	58	291	58	0.87	325
Stovemén .....	334	1.27½	4	464	116	592	148	1.39	426
Water boys .....	334	1.15	3	356	119	413	138	1.07	387
The establishment .....		1.34	358	17,376	49	23,287	65	52.05	448

α The earnings hero shown are for eleven months only. The statement for this establishment on page 52 is for eighteen months.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## B.—Pig Iron: SOUTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 101.

Occupation.	Working days in the period.	Actual daily earnings or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employes.	Days of work done.		Earnings.		Necessary employes.	Consequent average earnings per employé.	
				Total.	Average.	Total.	Average.			
Blacksmiths.....	184	\$2.75	2	347	174	\$959	\$480	1.89	\$509	
Blacksmiths' helpers.....	184	1.25	4	282	71	353	88	1.53	230	
Cagemen and fillers.....	184	1.26	196	5,817	30	6,976	36	31.61	221	
Carpenters.....	184	2.00	1	48	48	100	100	0.26	383	
	184	2.25	3	251	84	577	192	1.36	423	
	184	2.75	1	186	186	528	528	1.01	522	
Total.....	184	2.48½	5	485	97	1,205	241	2.63	457	
Cinder tappers.....	184	1.35	51	2,583	51	3,472	68	14.04	247	
	184	1.40	15	235	16	334	23	1.28	262	
	184	1.50	4	554	139	829	207	3.01	275	
Total.....	184	1.37½	70	3,372	48	4,635	66	18.33	253	
Cinder tappers and coke forkers.	184	1.25	3	24	8	30	10	0.13	230	
Cinder tapper and iron piler..	184	1.33½	1	6	6	8	8	0.03	245	
Cinder tappers and laborers..	184	1.17½	5	510	102	599	120	2.77	216	
Coal wheelers.....	184	1.00	5	57	11	57	11	0.31	184	
Coal wheelers and firemen....	184	1.27	2	155	78	197	99	0.84	234	
Coke drivers.....	184	1.15	23	522	23	600	26	2.84	211	
Coke drivers and laborers....	184	1.07	7	345	49	370	53	1.88	197	
Coke driver and teamster....	184	1.06	1	147	147	156	156	0.80	195	
Coke forkers.....	184	1.00	1	2	2	2	2	0.01	184	
	184	1.20	95	2,597	27	3,106	33	14.11	220	
Total.....	184	1.19½	96	2,599	27	3,108	32	14.12	220	
Coke forkers and laborers....	184	1.09½	29	493	17	541	19	2.68	202	
Engine wipers.....	184	1.15	4	209	52	247	62	1.14	217	
Engineers.....	184	2.25	2	297	149	668	334	1.61	414	
Engineers, locomotive.....	184	3.00	2	183	92	549	275	0.99	552	
	184	3.25	1	184	184	600	600	1.00	600	
Total.....	184	3.13	3	367	122	1,149	383	1.99	576	
Engineer and engineers' helper.	184	1.75	1	109	109	195	195	0.59	329	
Engineers' helpers.....	184	1.25	10	419	42	518	52	2.28	227	
	184	1.50	6	706	118	1,059	177	3.84	276	
Total.....	184	1.40	16	1,125	70	1,577	99	6.12	258	
Engineers' helper and laborer.	184	1.24	1	50	50	62	62	0.27	228	
Engineers' helper and teamster.	184	1.12½	1	113	113	127	127	0.61	207	
Fallmen.....	184	1.25	17	551	32	685	40	2.99	229	
Fillers, top.....	184	1.75	6	906	151	1,556	259	4.92	316	
Fillers and laborers.....	184	1.10	6	236	39	260	43	1.28	203	
Fillers' helpers.....	184	1.50	6	707	118	1,040	173	3.84	271	
Firemen.....	184	1.50	10	966	97	1,442	144	5.25	275	
	184	1.75	1	184	184	322	322	1.00	322	
Total.....	184	1.53½	11	1,150	105	1,764	160	6.25	282	
Foremen.....	184	1.93½	3	360	120	696	232	1.96	356	
Founders.....	184	2.93	1	182	182	533	533	0.99	539	
	184	4.89	1	184	184	900	900	1.00	900	
Total.....	184	3.91½	2	366	183	1,433	717	1.99	720	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## B.—Pig Iron: SOUTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 191—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total	Aver- age.		
Inclinenmen .....	184	\$1.15	2	310	155	\$362	\$181	1.68	\$215
Iron breakers .....	184	(a)	15	(a)	(a)	2,546	170	(a)	(a)
Iron carriers .....	184	1.50	1	202	202	311	311	1.10	283
	184	2.00	21	1,296	62	2,582	123	7.04	367
Total .....	184	1.93	22	1,408	68	2,893	132	8.14	355
Iron grader .....	184	1.96	1	153	153	300	300	0.83	361
Iron loaders .....	184	(a)	9	(a)	(a)	1,605	178	(a)	(a)
Iron pilers .....	184	(a)	2	(a)	(a)	80	40	(a)	(a)
Iron wringers .....	184	1.10	11	728	66	803	73	3.96	203
Keepers .....	184	2.00	5	714	143	1,425	285	3.88	367
Keepers' helpers .....	184	1.25	13	666	51	849	65	3.62	235
	184	1.45	10	834	83	1,191	110	4.53	263
	184	1.55	7	622	89	975	139	3.38	288
Total .....	184	1.42	30	2,122	71	3,015	101	11.53	261
Keepers' helper and laborer ..	184	1.00	1	2	2	2	2	0.01	184
Laboratory boy .....	184	1.00	1	118	118	113	113	0.64	176
Laborers .....	184	1.00	118	1,505	13	1,545	13	8.18	189
Laborers, yard .....	184	1.00	5	28	6	28	6	0.15	184
	184	1.10	25	865	35	961	38	4.70	204
	184	1.25	2	211	106	262	131	1.15	228
Total .....	184	1.13½	32	1,104	35	1,251	39	6.00	209
Machinists .....	184	2.50	5	694	130	1,734	347	3.77	460
Masons .....	184	3.25	1	18	18	59	59	0.10	603
	184	4.50	1	8	8	36	36	0.04	828
Total .....	184	3.65½	2	26	13	95	48	0.14	672
Master machinist .....	184	4.07	2	167	84	680	340	0.91	749
Ore dumpers .....	184	1.15	3	187	62	217	72	1.02	214
	184	1.25	4	130	33	163	41	0.71	231
Total .....	184	1.20	7	317	45	380	54	1.73	221
Porter .....	184	.98	1	153	153	150	150	0.83	180
Sand sifters .....	184	1.10	2	290	145	319	160	1.58	202
Scavenger .....	184	.50	1	178	178	89	89	0.97	92
Scrapmen .....	184	1.15	4	361	90	415	104	1.96	212
Stableman and teamster .....	184	1.39	1	198	198	275	275	1.08	256
Storekeeper .....	184	1.50	1	184	184	276	276	1.00	276
Stovemmen .....	184	1.75	9	717	80	1,256	140	3.00	322
Teamsters .....	184	1.00	9	501	56	502	56	2.72	184
	184	1.50	1	15	15	23	23	0.08	252
Total .....	184	1.01½	10	516	52	525	53	2.80	187
Weighmen .....	184	1.30	6	806	134	1,046	174	4.38	239
The establishment .....		(b)	828	(b)	(b)	c 54,433	66	(b)	(b)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

c The earnings here shown are for six months only. The statement for this establishment on page 52 is for one year.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## B.—Pig Iron: SOUTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 103.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- fer- ent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmiths.....	365	\$2.00	2	318	159	\$635	\$318	0.87	\$729
Blacksmiths' helpers.....	365	1.00	3	331	110	335	112	0.91	369
Brakeman.....	365	1.50	1	74	74	111	111	0.20	548
Brakeman, dinkey.....	365	1.35	1	200	200	267	267	0.55	487
Brakeman and fireman.....	365	1.28	1	111	111	142	142	3.30	467
Brakeman and laborer.....	365	1.25	1	4	4	5	5	0.01	456
Bricklayers.....	365	4.00	12	49	4	194	16	0.13	1,445
	365	5.00	1	5	5	25	25	0.01	1,825
Total.....	365	4.05½	13	54	4	219	17	0.14	1,480
Cageman.....	365	1.40	1	339	339	473	473	0.93	509
Cageman and filler.....	365	1.30	1	70	70	91	91	0.19	475
Carpenter.....	365	1.50	1	351	351	527	527	0.96	548
Drivers.....	365	1.15	2	362	181	410	205	0.99	413
Engineers.....	365	1.25	1	123	123	159	159	0.34	472
	365	1.50	1	36	36	54	54	0.10	548
	365	1.75	1	74	74	133	133	0.20	656
	365	2.00	3	330	110	649	216	0.90	718
Total.....	365	1.76½	6	563	94	995	166	1.54	615
Engineers, dinkey.....	365	1.50	3	752	251	1,105	368	2.06	536
	365	2.00	1	286	286	573	573	0.78	731
Total.....	365	1.61½	4	1,038	260	1,678	420	2.84	590
Engineers, locomotive.....	365	2.00	1	176	176	366	366	0.48	759
	365	2.25	1	192	192	424	424	0.53	806
Total.....	365	2.14½	2	368	184	790	395	1.01	784
Engineer and water tender...	365	1.82	1	313	313	570	570	0.86	665
Fillers.....	365	1.00	1	27	27	27	27	0.07	365
	365	1.10	17	596	35	664	39	1.63	407
	365	1.15	28	1,435	51	1,660	59	3.83	422
	365	1.20	69	4,161	60	4,959	72	11.40	435
	365	1.25	4	728	182	913	228	1.99	458
Total.....	365	1.18½	119	6,947	58	8,223	69	19.02	432
Fillers, top.....	365	1.10	1	27	27	29	29	0.07	392
	365	1.15	1	258	258	301	301	0.71	426
	365	1.25	1	236	236	292	292	0.65	452
	365	1.35	3	739	246	1,006	335	2.02	497
	365	2.30	1	234	234	537	537	0.64	838
Total.....	365	1.45	7	1,494	213	2,165	309	4.09	529
Filler and helper.....	365	1.25	1	56	56	70	70	0.15	456
Fillers and laborers.....	365	1.08½	5	80	16	87	17	0.22	397
Filler and stocker.....	365	1.11½	1	69	69	77	77	0.19	407
Firemen.....	365	1.00	1	21	21	21	21	0.06	365
	365	1.15	6	96	16	109	18	0.26	414
	365	1.50	1	6	6	9	9	0.02	548
Total.....	365	1.13	8	123	15	139	17	0.34	412
Foremen.....	365	2.06	1	257	257	530	530	0.70	753
	365	5.25	1	365	365	1,917	1,917	1.00	1,917
Total.....	365	3.93½	2	622	311	2,447	1,224	1.70	1,436



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## B.—Pig Iron: SOUTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 103—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary employ- és.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Foremen, track.....	265	\$1.64½	2	358	179	\$588	\$294	0.98	\$599	
Helpers.....	265	1.10	3	157	52	170	57	0.43	395	
	365	1.15	1	13	13	15	15	0.04	421	
	365	1.20	2	118	59	144	72	0.32	445	
	365	1.25	6	443	74	543	91	1.21	447	
	365	1.50	1	176	176	264	264	0.48	548	
Total.....	365	1.25	13	907	70	1,136	87	2.48	457	
Hot-blast man.....	365	1.15	1	328	328	376	376	0.90	418	
Iron handlers.....	365	1.10	1	204	204	230	230	0.56	412	
	365	1.25	2	183	92	227	114	0.50	453	
	365	1.30	4	1,364	341	1,766	442	3.74	473	
	365	1.60	6	373	62	586	98	1.02	573	
	365	1.75	4	556	139	964	241	1.52	633	
Total.....	365	1.41	17	2,680	158	2,773	222	7.34	514	
Iron handler and keeper.....	365	1.72	1	312	312	536	536	0.85	627	
Iron handlers and laborers....	365	1.31½	2	19	10	25	13	0.05	480	
	365	1.62½	1	152	152	247	247	0.42	593	
Total.....	365	1.59	3	171	57	272	91	0.47	581	
Keepers.....	365	1.85	3	704	235	1,276	425	1.93	662	
Laborers.....	365	.40	2	38	19	15	8	0.10	144	
	365	.50	8	860	108	448	56	2.36	190	
	365	.60	1	51	51	30	30	0.14	215	
	365	.85	1	134	134	113	113	0.37	308	
	365	1.00	199	4,735	24	4,759	24	12.97	367	
	365	1.05	26	797	31	832	32	2.18	381	
	365	1.10	15	600	40	660	44	1.64	402	
	365	1.25	4	349	87	434	109	0.96	454	
Total.....	365	.96½	256	7,564	30	7,291	28	20.72	352	
Laborer and slagman.....	365	1.14	1	85	85	97	97	0.23	417	
Laborer and water tender.....	365	1.25½	1	75	75	94	94	0.21	457	
Machinist.....	365	3.00	1	340	340	1,019	1,019	0.93	1,094	
Moulders.....	365	1.25	2	118	59	147	74	0.32	455	
	365	1.35	1	239	239	316	316	0.65	483	
	365	1.40	3	473	158	661	220	1.30	510	
	365	2.10	1	308	308	635	635	0.84	753	
	365	2.50	3	327	109	813	271	0.90	907	
Total.....	365	1.75½	10	1,465	147	2,572	257	4.01	641	
Moulder and stocker.....	365	1.23	1	144	144	177	177	0.59	419	
Slagmen.....	365	1.15	16	1,738	109	2,004	125	4.76	421	
Stockers.....	365	1.00	6	59	10	60	10	0.16	371	
	365	1.10	62	1,593	26	1,757	28	4.36	403	
	365	1.15	6	147	25	168	28	0.40	417	
	365	1.20	1	5	5	6	6	0.01	438	
Total.....	365	1.10½	75	1,804	24	1,991	27	4.93	403	
Water tenders.....	365	1.40	2	475	238	669	335	1.30	514	
The establishment.....	.....	1.34	586	33,037	56	41,327	76	90.44	490	

<sup>a</sup> In addition \$2,571 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 592.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## B.—Pig Iron: SOUTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 109.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Blacksmiths .....	313	\$1.60	1	296	296	\$474	\$474	0.95	\$501	
	313	2.05	1	314	314	659	650	1.00	648	
Total .....	313	1.84½	2	610	305	1,124	562	1.95	577	
Blacksmiths' helper .....	313	1.00	1	281	281	281	281	0.90	313	
Bricklayers .....	313	3.00	2	67	34	200	100	0.21	934	
Cageman .....	365	1.48½	1	316	316	453	453	0.87	523	
Carpenter .....	313	2.00	1	326	326	658	658	1.04	632	
Cindermen .....	365	1.00	1	65	65	69	69	0.18	387	
	365	1.13	24	2,732	114	3,062	128	7.48	409	
	365	1.28	1	283	283	362	362	0.78	467	
Total .....	365	1.13½	26	3,080	118	3,493	134	8.44	414	
Drivers .....	365	.90	1	29	29	26	26	0.08	327	
	365	1.00	1	332	332	329	329	0.91	362	
	365	1.13	1	309	309	346	346	0.85	409	
	365	1.17	1	30	30	35	35	0.08	426	
Total .....	365	1.05	4	700	175	736	184	1.92	384	
Dumpers .....	365	1.08	3	647	216	688	229	1.77	388	
Engineers .....	365	1.85	2	714	357	1,321	661	1.96	675	
Fillers .....	365	1.13	4	276	69	310	78	0.76	410	
	365	1.17	1	289	289	333	333	0.79	421	
Total .....	365	1.14	5	565	113	643	129	1.55	415	
Fillers, bottom .....	365	1.00	7	248	35	256	37	0.68	377	
	305	1.08	26	1,774	68	1,925	74	4.86	396	
	365	1.13	58	4,103	71	4,613	80	11.24	410	
	365	1.17	5	311	62	368	74	0.85	432	
	365	1.25	2	356	178	433	217	0.98	444	
Total .....	365	1.12	93	6,792	69	7,595	78	18.61	408	
Fillers, top .....	365	1.13	2	135	68	154	77	0.87	416	
	365	1.17	6	827	138	990	165	2.27	437	
	365	1.49	1	252	252	372	372	0.69	539	
Total .....	365	1.25	9	1,214	135	1,516	168	3.33	456	
Filler and sweeper .....	365	.87	1	132	132	115	115	0.36	318	
Foremen .....	365	1.04½	1	91	91	150	150	0.25	602	
	365	2.46	2	368	194	954	477	1.06	897	
Total .....	305	2.30½	3	479	160	1,104	368	1.31	841	
Founder .....	365	4.52	1	366	366	1,650	1,650	1.66	1,645	
Grader .....	365	1.25	1	296	296	371	371	0.81	457	
Hoi-ter .....	365	1.45	1	308	308	447	447	0.84	530	
Hostler and laborer .....	365	1.07	1	84	84	90	90	0.23	391	
Hot-blast men .....	365	1.25	1	290	290	375	375	0.79	472	
	365	1.40	3	604	201	833	278	1.65	503	
	365	1.49	3	654	218	965	322	1.79	539	
Total .....	365	1.40½	7	1,548	221	2,173	310	4.23	512	
Iron handlers .....	365	1.00	1	4	4	4	4	0.01	365	
	365	1.13	1	223	223	247	247	0.61	404	
	305	1.17	4	518	130	615	154	1.42	433	
	365	1.25	12	1,256	105	1,660	180	3.44	454	
Total .....	365	1.21½	18	2,003	111	2,426	135	5.43	443	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## B.—Pig Iron: SOUTHERN DISTRICT OF THE UNITED STATES—Continued.

ESTABLISHMENT No. 109—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Keepers .....	365	\$2.00	3	680	227	\$1,359	\$453	1.86		\$729
Laborers .....	313	.66½	1	3	3	2	2	0.01		209
	313	.75	3	99	33	74	25	0.32		234
	313	.90	14	247	18	227	16	0.79		288
	313	1.00	173	6,072	35	6,071	35	19.40		313
	313	1.08	27	1,507	56	1,596	59	4.81		331
	313	1.13	13	2,061	159	2,314	178	6.58		351
	313	1.17	2	301	151	359	180	0.96		373
Total .....	313	1.03½	233	10,200	44	10,643	46	32.87		324
Machinist .....	365	2.79½	1	366	366	1,020	1,020	1.00		1,017
Mason .....	313	3.00	1	1	1	3	3	0.00		939
Monlder .....	365	1.55	1	268	268	414	414	0.73		564
Oiler .....	365	1.00	1	361	361	361	361	0.99		365
Runners .....	365	1.00	1	3	3	3	3	0.01		365
	365	1.17	5	821	161	973	195	2.25		433
	365	1.40	1	256	256	357	357	0.70		509
Total .....	365	1.23½	7	1,080	154	1,333	190	2.96		451
Stableman .....	365	1.07	1	299	299	320	320	0.82		391
Stovemcn .....	365	1.00	1	18	18	18	18	0.05		365
	365	1.31½	1	70	70	92	92	0.19		480
	365	1.49	2	180	93	281	141	0.51		551
Total .....	365	1.42½	4	274	69	391	98	0.75		521
Sweepers .....	365	.50	2	102	51	51	20	0.28		183
	365	.75	5	045	129	400	92	1.77		260
	365	1.00	2	43	22	44	22	0.12		373
Total .....	365	.70½	9	790	88	555	62	2.17		256
Water boys .....	365	.50	9	908	101	458	51	2.49		181
Weighmen .....	365	1.35	3	780	260	1,015	338	2.14		475
The establishment .....		1.23	460	36,622	80	44,956	98	105.59		426

## ESTABLISHMENT No. 114.

Blacksmith .....	365	\$1.50	1	320	320	\$487	\$487	0.88		\$555
Cagemen .....	365	1.10	1	10	10	11	11	0.03		402
	365	1.15	1	88	88	100	100	0.24		415
Total .....	365	1.13½	2	98	49	111	56	0.27		413
Cinder tappers .....	365	.90	1	238	238	210	210	0.65		322
	365	1.00	3	474	158	475	158	1.30		366
Total .....	365	.96	4	712	178	685	171	1.95		351
Engineers .....	365	1.75	6	716	119	1,253	209	1.96		639
Fillers, bottom .....	365	1.00	1	109	109	109	109	0.30		365
	365	1.08	19	2,269	119	2,300	126	6.19		386
	365	1.10	1	294	294	321	321	0.81		399
Total .....	365	1.06	21	2,663	127	2,820	134	7.30		387

α In addition \$3,628 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 592.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**B.—Pig Iron: SOUTHERN DISTRICT OF THE UNITED STATES—Concluded.**

ESTABLISHMENT No. 114—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Necessary employ- és.	Conso- quent average earnings per employ- é.
				Total.	Average.	Total.	Average.		
Fillers, top .....	365	\$1.50	4	1,014	254	\$1,521	\$380	2.78	\$548
Foremen.....	365	1.75	1	365	365	639	639	1.00	639
	365	3.25	1	365	367	1,175	1,175	1.00	1,175
Total .....	365	2.48½	2	730	365	1,814	907	2.00	907
Graders .....	365	1.10	2	223	112	245	123	0.61	401
Iron handlers.....	365	1.10	6	1,082	180	1,181	197	2.96	398
Keeper .....	365	1.50	1	127	127	191	191	0.35	549
Keepers and keepers' helpers.	365	1.31½	2	338	169	445	223	0.93	481
Keepers' helpers .....	365	1.15	2	378	189	427	214	1.04	412
Laborers .....	313	.75	2	152	76	119	60	0.49	245
	313	.90	12	598	50	541	45	1.91	283
	313	1.00	42	2,442	58	2,436	58	7.80	312
	313	1.05	6	545	91	570	95	1.74	327
	313	1.10	1	298	298	327	327	0.95	343
Total .....	313	.99	63	4,035	64	3,993	63	12.89	310
The establishment .....	.....	1.22	116	12,436	107	a 15,173	131	35.92	422

**C.—Pig Iron: CONTINENT OF EUROPE.**

ESTABLISHMENT No. 40.

Blacksmith .....	90	\$0.76	1	74	74	\$56	\$56	0.82	\$68
Blacksmith's helper .....	90	.64	1	68	68	44	44	0.76	58
Boiler cleaner .....	90	.25	1	76	76	19	19	0.84	23
Chargers .....	90	.71	4	359	90	256	61	3.99	64
Coke wheelers.....	90	.69	6	477	80	329	55	5.30	62
Engineers .....	90	.74	2	281	91	134	67	2.01	67
Foreman .....	90	1.07	1	90	90	96	96	1.00	96
Keepers .....	90	1.07	2	180	90	193	97	2.00	97
Keepers' helpers.....	90	.74	2	171	86	126	63	1.90	66
Laborers.....	90	.64	3	116	39	74	25	1.29	57
Laborers (boys).....	90	.33	1	63	63	21	21	0.70	30
	90	.38	1	80	80	30	30	0.89	34
Total .....	90	.35½	2	143	72	51	26	1.59	32
Ore wheelers .....	90	.64	1	83	83	53	53	0.92	57
	90	.67	4	343	86	229	57	3.81	60
Total .....	90	.66	5	426	85	282	56	4.73	60
Slag wheelers.....	90	.62½	2	51	26	32	16	0.57	56
	90	.68	1	69	69	47	47	0.77	61
	90	.69	2	152	76	105	53	1.60	62
Total .....	90	.67½	5	272	54	184	37	3.03	61
Weighman.....	90	.64	1	79	79	51	51	0.88	58
The establishment.....	.....	.70	36	2,712	75	b 1,895	53	30.14	63

a In addition \$365 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 593.

b The earnings here shown are for three months. The statement for this establishment on page 51 is for one month only.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## C.—Pig Iron: CONTINENT OF EUROPE—Concluded.

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table I.]

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- ees.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmiths .....	78	\$0.74½	2	186	93	\$139	\$70	2.38	\$58
Blacksmiths' helpers .....	78	.45	3	245	82	110	37	3.14	35
Boiler cleaners .....	91	.20½	4	320	80	65	16	3.52	18
Carpenter .....	78	.67½	1	44	44	29	29	0.56	51
Cinder sorters .....	91	.24	2	133	67	32	16	1.46	22
	91	.54	1	80	80	43	43	0.88	49
Total .....	91	.35	3	213	71	75	25	2.34	32
Cinder tappers .....	91	.58½	6	448	75	263	44	4.92	53
Doormen .....	91	.60½	4	334	84	202	51	3.67	55
Engineers .....	91	.60½	9	746	83	451	50	8.20	55
Fillers .....	91	.71½	6	492	82	351	59	5.41	65
Fillers, top .....	91	.73½	7	508	73	373	53	5.58	67
Foremen .....	91	.97	2	171	86	166	83	1.88	83
	91	1.49½	1	90	90	134	134	0.99	135
Total .....	91	1.15	3	261	87	300	100	2.87	105
Foreman, machinists .....	91	1.35½	1	106	106	143	143	1.16	123
Iron wheeler .....	91	.60½	1	102	102	62	62	1.12	55
Keepers .....	91	1.23	1	82	82	100	100	0.90	111
	91	1.48½	1	89	89	132	132	0.98	135
Total .....	91	1.35½	2	171	86	232	116	1.88	123
Keepers' helpers .....	91	.69	5	377	75	261	52	4.14	63
	91	.91½	5	410	82	376	75	4.51	83
Total .....	91	.81	10	787	79	637	64	8.65	74
Laborers .....	91	.29	1	74	74	21	21	0.81	26
	91	.38½	1	42	42	16	16	0.46	35
	91	.45½	1	74	74	33	33	0.81	41
	91	.58½	3	259	86	151	50	2.85	53
Total .....	91	.49	6	449	75	221	37	4.93	45
Limestone breakers .....	91	.55	5	365	73	200	40	4.01	50
Machinists' apprentice .....	78	.26½	1	72	72	19	19	0.92	21
Ore breakers .....	91	.53	6	422	70	224	37	4.64	48
Stockers .....	91	.60	18	1,252	70	754	42	13.76	55
Stockers' helpers .....	91	.27½	2	176	88	48	24	1.93	25
Stovemen .....	91	.69	6	517	86	356	59	5.68	63
Weighmen .....	91	.58	1	73	73	42	42	0.80	52
	91	.62½	2	179	90	112	56	1.97	57
	91	.72	1	97	97	70	70	1.07	66
Total .....	91	.64	4	349	87	224	56	3.84	58
The establishment .....	.....	.64	110	8,565	78	5,478	50	95.11	58

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## D.—Pig Iron: GREAT BRITAIN.

ESTABLISHMENT No. 36.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Necessary employ- és.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Blacksmiths .....	78	\$0.67	1	74	74	\$49	\$49	0.95	\$52
	78	.73	1	69	69	50	50	0.88	57
	78	.89	1	87	87	78	78	1.12	70
Total .....	78	.77	3	230	77	177	59	2.95	60
Blacksmiths' strikers .....	78	.54½	3	224	75	122	41	2.87	42
Boiler cleaners .....	91	.60	1	98	98	59	59	1.08	55
	91	.62	1	98	98	61	61	1.08	57
Total .....	91	.61	2	196	98	120	60	2.16	56
Boiler feeders .....	91	.67	2	182	91	122	61	2.00	61
Carpenter .....	78	.67	1	77	77	51	51	0.99	52
Cinder tappers .....	91	.73	1	91	91	66	66	1.00	66
	91	.91½	1	91	91	83	83	1.00	83
Total .....	91	.82	2	182	91	149	75	2.00	75
Cleaner .....	78	.26½	1	78	78	21	21	1.00	21
Cleaner, enginehouse .....	78	.26½	1	78	78	21	21	1.00	21
Cleaner, office .....	78	.16	1	78	78	13	13	1.00	13
Engine tenders, blast .....	91	.75	2	182	91	137	69	2.00	69
Engine tender, electric .....	91	.69	1	124	124	85	85	1.36	62
Engine tenders, lift .....	91	.91½	2	182	91	166	83	2.00	83
Fillers .....	91	1.03½	2	170	85	176	88	1.87	94
	91	1.05½	1	81	81	85	85	0.89	95
	91	1.06½	1	87	87	92	92	0.96	96
Total .....	91	1.04½	4	338	85	353	88	3.72	95
Fillers, cinder .....	91	.77½	2	165	83	128	64	1.81	71
	91	.79½	1	81	81	64	64	0.89	72
	91	.80	1	75	75	60	60	0.82	73
Total .....	91	.78½	4	321	80	252	63	3.52	71
Fillers, coke .....	91	.62	4	303	76	188	47	3.33	56
	91	.64	2	156	78	99	50	1.71	58
Total .....	91	.62½	6	459	77	287	48	5.04	57
Fillers, mino. ....	91	.83½	1	52	52	43	43	0.57	75
	91	.86	2	154	77	132	66	1.69	78
	91	.86½	3	261	87	225	75	2.87	78
	91	.88	3	236	79	208	69	2.59	80
	91	.89	2	173	87	154	77	1.90	81
	91	.92	1	57	57	53	53	0.63	85
Total .....	91	.87½	12	993	78	815	68	10.25	79
Fitters .....	78	.69	2	170	85	117	59	2.18	54
Fitters' helper .....	78	.35½	1	78	78	28	28	1.00	28
Foremen .....	91	1.35½	2	182	91	247	124	2.00	124
Foreman, engine .....	91	1.21½	1	91	91	111	111	1.00	111
Foreman, navvies .....	91	.99	1	91	91	90	90	1.00	90
Hot-blast men .....	91	.75	2	182	91	137	69	2.00	69
Keepers .....	91	1.17	1	83	83	96	96	0.91	105
	91	1.19	2	144	72	171	86	1.58	108
	91	1.20	1	74	74	89	89	0.81	109
Total .....	91	1.18½	4	301	75	356	89	3.30	108

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## D.—Pig Iron: GREAT BRITAIN—Continued.

ESTABLISHMENT No. 36—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborers.....	91	\$0.46½	1	86	86	\$40	\$40	0.95	\$42
	91	.48½	17	1,310	77	650	38	14.40	45
	91	.57	3	104	35	56	19	1.14	49
Total .....	91	.49½	21	1,500	71	746	36	16.49	45
Liftmen .....	91	.74	2	157	79	117	59	1.73	68
	91	.76	2	163	82	124	62	1.79	69
Total .....	91	.75½	4	320	80	241	60	3.52	69
Masons .....	78	.71	2	117	59	83	42	1.50	55
	78	.85	1	99	99	84	84	1.27	66
Total .....	78	.77½	3	216	72	167	56	2.77	60
Masons' helpers .....	78	.36½	1	78	78	28	28	1.00	28
	78	.54½	4	301	75	165	41	3.86	43
Total .....	78	.51	5	379	76	193	39	4.86	40
Messenger.....	91	.28	1	91	91	25	25	1.00	25
Moulders .....	91	.48½	3	128	43	67	22	1.41	48
	91	.59	17	1,183	70	693	41	13.00	53
	91	.71	1	85	85	58	58	0.93	62
Total .....	91	.58½	21	1,396	66	818	39	15.34	53
Navvies .....	91	.54½	7	376	54	206	29	4.13	50
	91	.57	1	78	78	44	44	0.86	51
Total .....	91	.55	8	454	57	250	31	4.09	50
Spare hands .....	91	.60	16	1,504	94	903	56	16.53	55
Stove cleaner.....	91	.61	1	101	101	61	61	1.11	55
Sweepers .....	91	.42½	2	182	91	78	39	2.00	39
	91	.46½	2	152	76	71	36	1.67	43
Total .....	91	.44½	4	334	84	149	37	3.67	41
Timekeeper and number taker.	91	.72½	1	91	91	66	66	1.00	66
Water tender.....	91	.59	1	91	91	54	54	1.00	54
Weighmen.....	91	.61	2	182	91	111	56	2.00	56
The establishment.....		.67	148	11,618	79	a 7,761	52	130.62	59

ESTABLISHMENT No. 37.

Blacksmiths .....	73	\$0.73	2	177	89	\$129	\$65	2.27	\$57
	78	.77	1	103	103	79	79	1.32	60
	78	.97 $\frac{1}{2}$	1	78	78	76	76	1.00	76
Total .....	78	.79 $\frac{1}{2}$	4	358	90	284	71	4.59	62
Blacksmiths' strikers .....	78	.52 $\frac{1}{2}$	4	356	89	187	47	4.56	41
Boiler cleaners .....	91	.61	4	391	98	239	60	4.30	56
Boiler feeders .....	91	.65	4	367	92	238	60	4.03	59
Carpenter .....	78	.73	1	107	107	78	78	1.37	57
Cleaners, enginehouse .....	78	.24 $\frac{1}{2}$	2	156	78	38	19	2.00	19

a The earnings here shown are for three months only. The statement for this establishment on page 51 is for six months.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## D.—Pig Iron: GREAT BRITAIN—Continued.

ESTABLISHMENT No. 37—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Cleaner, office.....	78	\$0.14	1	78	78	\$11	\$11	1.00	\$11
Engineers.....	91	.75	4	382	96	285	71	4.20	68
Fillers.....	91	.88½	8	666	83	589	74	7.32	80
Fillers, cinder.....	91	.71½	8	595	74	424	53	6.54	65
Fillers, coke.....	91	.54½	2	166	83	91	46	1.82	50
	91	.59	9	743	83	436	48	8.16	53
	91	.61	8	583	73	355	44	6.41	55
Total.....	91	.59	19	1,492	79	882	46	16.39	54
Fillers, stove.....	91	.54½	2	176	88	96	48	1.93	50
Firomen.....	91	.59	8	391	49	228	29	4.30	53
Fitters.....	78	.71	4	406	102	288	72	5.21	55
Foreman.....	91	1.46	2	182	91	266	133	2.00	133
	91	2.26	1	91	91	206	206	1.00	206
Total.....	91	1.73	3	273	91	472	157	3.00	157
Foreman, fitters.....	78	2.43½	1	78	78	190	190	1.00	190
Foreman, masons.....	78	1.21½	1	78	78	95	95	1.00	95
Haulers.....	91	.54½	6	544	91	298	50	5.98	50
Helpers.....	91	.75	29	1,915	66	1,432	49	21.01	68
	91	.85	2	145	73	123	62	1.59	77
Total.....	91	.75½	31	2,060	66	1,555	50	22.63	69
Hot-blast men.....	91	.75	2	192	96	141	71	2.11	67
Keepers.....	91	1.01½	7	568	81	577	82	6.24	92
Laborers.....	91	.36½	6	497	83	185	31	5.46	34
	91	.44½	7	632	90	282	40	6.95	41
	91	.48½	31	2,263	73	1,115	36	24.87	45
	91	.52½	22	1,749	80	914	42	19.22	48
	91	.54½	20	1,322	66	735	37	14.53	51
	91	.58½	21	1,916	91	1,117	53	21.05	53
Total.....	91	.52	107	8,379	78	4,348	41	92.08	47
Ladleman.....	91	.61	1	57	57	35	35	0.63	56
Masons.....	78	.67	2	165	83	110	55	2.12	52
	78	.71	1	60	60	42	42	0.77	55
	78	.73	2	164	82	120	60	2.10	57
Total.....	78	.70	5	389	78	272	54	4.99	55
Masons' helpers.....	78	.54½	11	863	78	471	43	11.06	43
Moulder.....	91	.67	1	72	72	48	48	0.79	61
Number taker.....	91	.40½	1	92	92	37	37	1.01	37
Stove cleaners.....	91	.61	2	174	87	106	53	1.91	55
Sweepers.....	91	.20½	3	271	90	55	18	2.98	18
Weighmen.....	91	.20½	2	201	101	54	27	2.21	24
	91	.42½	4	320	80	136	34	3.52	39
Total.....	91	.36½	6	521	87	190	32	5.73	33
Wheel changor.....	91	.61	1	64	64	38	38	0.70	51
The establishment.....		.62	262	20,596	79	12,795	49	231.58	55

Ⓒ The earnings here shown are for three months only. The statement for this establishment on page 51 is for six months.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## D.—Pig Iron: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table I.]

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Boiler cleaner.....	135	\$0.82½	1	135	135	\$111	\$111	1.00	\$111
Bricklayers.....	135	1.21½	1	91	91	108	108	0.67	160
	135	1.34	2	206	103	267	134	1.53	175
Total.....	135	1.26½	3	297	99	375	125	2.20	170
Bricklayers' helpers.....	135	.77	1	100	100	75	75	0.74	101
	135	.85	2	216	108	181	91	1.60	113
Total.....	135	.81	3	316	105	256	85	2.34	109
Chargers.....	135	1.26½	8	1,080	135	1,367	171	8.00	171
Chargers' helpers.....	135	.54½	2	282	141	155	78	2.09	74
Engineer, hoisting.....	135	1.01½	1	176	176	178	178	1.30	137
File cleaner.....	135	1.03	1	135	135	139	139	1.00	139
Fillers, coke.....	135	.88	4	540	135	476	119	4.00	119
Fillers, lime.....	135	.88	4	540	135	475	119	4.00	119
Fillers, ore.....	135	1.01	12	1,620	135	1,638	137	12.00	137
Foremen, laborers.....	135	1.13½	2	270	135	307	154	2.00	154
Horseman.....	135	.81	1	132	132	107	107	0.98	109
Joiners.....	135	1.21	4	486	122	589	147	3.60	164
Keepers.....	135	1.54	6	810	135	1,248	208	6.00	208
Keepers' helpers.....	135	.93½	6	810	135	755	126	6.00	126
Kiln man.....	135	.77½	1	144	144	111	111	1.07	104
Laborers, furnace.....	135	.77½	10	1,291	129	997	100	9.56	104
Laborers, general.....	135	.77	5	580	116	444	89	4.30	103
	135	.85	1	141	141	120	120	1.04	115
Total.....	135	.78	6	721	120	564	94	5.34	106
Lampman.....	135	.76	1	135	135	103	103	1.00	103
Limestone breakers.....	135	.84	4	540	135	452	113	4.00	113
Metal carriers.....	135	1.21½	18	2,430	135	2,956	164	18.00	164
	135	a 2.77	1	135	135	374	374	1.00	374
Total.....	135	1.30	19	2,565	135	3,330	175	19.00	175
Moulder.....	135	.92	1	135	135	124	124	1.00	124
Onsetters.....	135	1.01	2	270	135	273	137	2.00	137
Onsetters, assistant.....	135	.87	2	270	135	234	117	2.00	117
Plate layers.....	135	.77	4	448	112	345	86	3.32	104
	135	.85	1	132	132	112	112	0.98	115
Total.....	135	.79	5	580	116	457	91	4.30	106
Sampleman.....	135	.73	1	132	132	94	94	0.98	96
Slag crane man.....	135	.79½	1	133	133	105	105	0.99	107
Slagmen.....	135	1.01	10	1,350	135	1,363	136	10.00	136
Stove tenders.....	135	1.04½	2	270	135	281	141	2.00	141
Tippers.....	135	.90½	3	405	135	365	122	3.00	122
	135	.95	6	841	140	792	132	6.23	127
Total.....	135	.93	9	1,246	138	1,157	129	9.23	125
Tuyère fitter.....	135	1.05½	1	186	186	195	195	1.38	142

a Contractor. Includes wages and profits.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**D.—Pig Iron: GREAT BRITAIN—Concluded.**

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Weighmen.....	135	\$0.67½	1	135	135	\$91	\$91	1.00	\$91
	135	.71	1	135	135	96	96	1.00	96
	135	.77½	2	270	135	209	105	2.00	105
Total.....	135	.73½	4	540	135	396	99	4.00	99
The establishment.....	.....	1.01½	137	18,137	132	18,412	134	134.36	137

**E.—Muck Bar Iron: UNITED STATES.**

ESTABLISHMENT No. 7.

Ashmen.....	155	\$1.30	1	99	99	\$135	\$135	0.64	\$211
	155	1.50	2	164	82	238	119	1.06	225
Total.....	155	1.42	3	263	88	373	124	1.70	220
Blacksmith.....	155	2.30	1	108	108	248	248	0.70	336
Boiler tenders.....	155	1.75	4	160	40	280	70	1.03	271
Buggymen.....	155	.66½	1	3	3	2	2	0.02	103
	135	1.30	3	91	30	119	40	0.59	203
	155	1.50	2	156	78	237	119	1.01	235
Total.....	155	1.43	6	250	42	358	60	1.62	222
Buggyman and puddler.....	155	2.16	1	31	31	67	67	0.20	335
Caller.....	153	1.50	1	7	7	10	10	0.05	221
Catchers.....	143	1.66½	2	89	45	148	74	0.62	238
	143	2.44½	2	178	89	435	218	1.24	349
Total.....	143	2.18½	4	267	67	583	146	1.86	312
Cindermen.....	155	1.25	2	87	44	109	55	0.56	194
	155	1.75	3	181	60	316	105	1.17	271
Total.....	155	1.58½	5	268	54	425	85	1.73	246
Coal wheelers.....	155	1.50	5	208	42	313	63	1.34	233
Drag-outs.....	143	1.70	3	113	38	192	64	0.79	243
	143	1.82½	4	230	60	436	109	1.67	261
Total.....	143	1.78½	7	352	50	628	90	2.46	255
Engineers.....	155	2.00	3	205	68	410	137	1.32	310
Foreman.....	143	2.80½	1	157	157	450	450	1.10	410
Helper, lamp.....	155	1.50	1	16	16	24	24	0.10	233
Hookers-up.....	143	.66½	1	3	3	2	2	0.02	95
	143	1.23	9	317	35	390	43	2.22	176
	143	1.42	2	91	46	129	65	0.64	203
Total.....	143	1.27	12	411	34	521	43	2.88	181

<sup>a</sup> The earnings here shown, though for only a part of the employés, are thought to be fairly representative.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## E.—Muck Bar Iron: UNITED STATES—Continued.

ESTABLISHMENT No. 7—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employes.	Days of work done.		Earnings.		Necessary employes.	Consequent average earnings per employé.	
				Total.	Average.	Total.	Average.			
Laborers .....	155	\$0.75	3	21	7	\$16	\$5	0.14	\$118	
	155	1.00	1	7	7	7	7	0.05	155	
	155	1.25	32	280	9	351	11	1.81	194	
	155	1.35	4	76	19	102	26	0.49	208	
	155	1.37½	2	71	36	98	49	0.46	214	
Total .....	155	1.26	42	455	11	574	13	2.95	196	
Machinist .....	155	1.50	1	144	144	216	216	0.93	233	
Masons .....	155	2.75	1	29	29	78	78	0.19	417	
	155	4.00	1	139	139	554	554	0.90	618	
Total .....	155	3.76	2	168	84	632	316	1.09	583	
Millwrights .....	155	1.50	1	67	67	100	100	0.43	231	
	155	2.00	1	28	28	56	56	0.18	310	
Total .....	155	1.64	2	95	48	156	78	0.61	255	
Mixers .....	143	1.25	4	153	38	191	48	1.07	179	
Ore wheeler .....	143	1.85	1	87	87	161	161	0.61	265	
Physic man .....	143	1.25	1	98	98	122	122	0.69	178	
Puddlers .....	143	3.00	1	1	1	3	3	0.01	429	
	143	3.39	6	424	71	1,438	240	2.97	485	
	143	3.62½	21	1,218	58	4,416	210	8.52	518	
	143	3.74	11	663	60	2,479	225	4.64	535	
	143	4.05	3	125	42	506	169	0.87	579	
	143	4.25½	1	43	43	183	183	0.30	609	
	143	4.57½	7	191	27	874	125	1.34	654	
	143	4.77½	6	190	32	907	151	1.33	683	
	143	5.14	1	43	43	221	221	0.30	735	
	143	6.00	1	2	2	12	12	0.01	858	
Total .....	143	3.80½	58	2,000	50	11,039	190	20.29	544	
Puddlers and puddlers' helpers.	143	2.44½	1	36	36	88	88	0.25	350	
	143	2.70½	1	158	158	427	427	1.19	386	
Total .....	143	2.65½	2	194	97	515	258	1.35	380	
Puddlers' helpers .....	143	1.53½	5	54	11	83	17	0.38	220	
	143	1.74	17	589	35	1,024	60	4.12	249	
	143	1.89	31	1,539	50	2,907	94	10.76	270	
	143	2.08	3	63	21	131	44	0.44	297	
Total .....	143	1.84½	56	2,245	40	4,145	74	15.70	264	
Puddlers at squeezers .....	143	1.35½	7	175	25	237	34	1.22	194	
Rollers .....	143	3.19	2	162	81	517	259	1.13	456	
Roughers .....	143	1.98	1	85	85	169	169	0.59	284	
	143	2.72	2	150	75	408	204	1.05	389	
	143	2.74½	3	161	54	442	147	1.13	393	
Total .....	143	2.57½	6	396	66	1,019	170	2.77	368	
Stockers .....	155	1.50	2	206	103	309	155	1.33	233	
	155	1.88½	1	61	61	115	115	0.39	292	
Total .....	155	1.59	3	267	89	424	141	1.72	246	
Stocker, boss .....	155	3.25	1	104	104	336	336	0.67	501	
Toolman .....	155	1.37½	1	115	115	158	158	0.74	213	
Weighmen .....	155	1.75	4	316	79	550	138	2.04	270	
The establishment .....		2.38½	247	10,777	44	25,682	104	73.67	349	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## E.—Muck Bar Iron: UNITED STATES—Continued.

ESTABLISHMENT No. 9.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Ashmen .....	313	\$1.25	1	316	316	\$394	\$394	1.01	\$390
	313	1.50	2	328	164	492	246	1.05	470
Total .....	313	1.37½	3	644	215	886	295	2.06	431
Blacksmith .....	313	2.25	1	136	136	306	306	0.43	704
Blacksmiths' helper .....	313	1.40	1	187	187	264	264	0.60	442
Carpenter and millwright .....	313	1.88½	1	79	79	149	149	0.25	590
Catchers .....	286	2.54½	2	446	223	1,135	568	1.56	728
Cindermen .....	313	1.25	4	432	108	538	135	1.38	390
Drag-onts .....	286	1.88	2	446	223	838	419	1.56	537
Engineers .....	313	1.65	2	635	318	1,047	524	2.03	516
Firemen .....	313	1.07	1	14	14	15	15	0.04	335
	313	1.25	4	577	144	720	180	1.84	391
	313	2.00	1	273	273	537	537	0.87	616
Total .....	313	1.47	6	864	144	1,272	212	2.75	461
Hookers-up .....	286	2.16	2	446	223	964	482	1.56	618
Laborers .....	313	.50	1	51	51	26	26	0.16	160
	313	1.02	1	211	211	215	215	0.67	319
	313	1.12½	24	672	28	761	32	2.15	354
	313	1.25	44	4,733	108	5,873	133	15.12	388
	313	1.38½	1	13	13	18	18	0.04	433
	313	1.50	1	57	57	86	86	0.18	472
Total .....	213	1.21½	72	5,737	80	6,979	97	18.32	381
Machinists .....	313	2.25	1	113	113	254	254	0.36	704
	313	2.50	3	45	15	114	38	0.14	793
Total .....	313	2.33	4	158	40	368	92	0.50	729
Mason .....	313	6.37	1	259	259	1,650	1,650	0.83	1,994
Mason's helper .....	313	1.12½	1	191	191	216	216	0.61	354
Puddlers .....	286	3.88	11	2,502	227	9,708	883	8.75	1,110
Puddlers' helpers .....	286	2.23½	6	651	109	1,456	243	2.28	640
	286	2.42	11	2,502	227	6,050	550	8.75	692
Total .....	286	2.58	17	3,153	185	7,506	442	11.03	681
Roll turner .....	313	6.09½	1	31	31	189	189	0.10	1,908
Rollers .....	286	4.29	2	446	223	1,913	957	1.56	1,227
Rollers' helpers .....	286	1.35	2	446	223	602	301	1.56	386
	286	1.42½	2	446	223	636	318	1.56	408
Total .....	286	1.39	4	892	223	1,238	310	3.12	397
Scrappers .....	286	4.94	5	1,259	252	6,221	1,244	4.40	1,413
Scrappers' helpers .....	286	1.25	5	1,259	252	1,574	315	4.40	358
	286	3.04	5	1,259	252	3,829	766	4.40	870
Total .....	286	2.14½	10	2,518	252	5,403	540	8.80	614
Stockers .....	286	1.35	3	664	221	896	299	2.32	386
	286	1.81	3	669	223	1,211	404	2.34	518
Total .....	286	1.58	6	1,333	222	2,107	351	4.66	452
Stockers, boss .....	286	2.45½	1	223	223	547	547	0.78	702
	286	4.10	2	224	112	918	459	0.78	1,172
Total .....	286	3.27½	3	447	149	1,465	488	1.56	937



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## E.—Muck Bar Iron: UNITED STATES—Continued.

ESTABLISHMENT No. 9—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Teamsters .....	313; 313	\$1.25 1.35	1 1	40 319	40 319	\$49 431	\$49 431	0.13 1.02	\$383 423	
Total .....	313	1.33½	2	359	180	480	240	1.15	418	
Watchman .....	365	1.50	1	297	297	446	446	0.81	548	
Weighmen .....	286 286	1.53½ 3.12½	4 1	543 245	136 245	833 765	208 765	1.90 0.86	439 893	
Total .....	286	2.03	5	788	158	1,598	320	2.76	580	
The establishment .....	.....	2.22½	169	24,685	146	54,886	325	83.14	660	

ESTABLISHMENT No. 17.

Ball boys .....	286	\$0.61½	2	298	149	\$183	\$92	1.04	\$176
Bloom boys .....	286	1.33	2	298	149	396	198	1.04	380
Bricklayers .....	313 313	2.45½ 3.00	1 1	22 186	22 186	54 558	54 558	0.07 0.59	768 939
Total .....	313	2.94	2	208	104	612	306	0.66	921
Bricklayers' helpers .....	313 313	1.31½ 1.50	1 1	220 186	220 186	289 283	289 283	0.70 0.59	411 476
Total .....	313	1.41	2	406	203	572	286	1.29	441
Catchers .....	286	2.74½	4	595	149	1,634	409	2.08	785
Cinder wheelers .....	286 286	1.25 1.30	11 1	428 41	39 41	535 53	49 53	1.50 0.14	358 370
Total .....	286	1.25½	12	469	39	588	49	1.04	359
Drag-outs .....	286	1.83	4	595	149	1,089	272	2.08	523
Engineer .....	286	4.12	1	187	187	770	770	0.65	1,178
Engineer's helpers .....	286	1.75	3	77	26	136	45	0.27	505
Firemen .....	286	1.32½	2	311	156	411	206	1.09	378
Fix grinders .....	286	1.37	8	433	54	596	75	1.61	394
Hookers-up .....	286	2.66	2	298	149	792	396	1.04	760
Laborers .....	313	1.20	5	200	40	242	48	0.64	379
Metal breakers .....	286	2.00	5	750	150	1,475	295	2.62	562
Ore stockers .....	286	1.37½	2	143	72	195	98	0.50	390
Puddlers .....	286	3.39	104	9,883	95	33,513	322	34.56	970
Puddler, boss .....	286	3.41½	1	193	193	659	659	0.67	977
Puddlers' helpers .....	286	2.11	104	9,881	95	20,829	200	34.55	603
Rollers .....	286	7.06	2	298	149	2,104	1,052	1.04	2,019
Roughers .....	286	3.32	2	298	149	990	495	1.04	959
Tap wheelers .....	286	1.40	15	420	28	588	39	1.47	400
The establishment .....	.....	2.60½	284	26,241	92	68,374	241	91.48	747

a In addition, \$2,642 was paid to outside persons for labor done at \$1.31 per day, which is included in the statements for this establishment on pages 113 and 593.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## E.—Muck Bar Iron: UNITED STATES—Continued.

## ESTABLISHMENT No. 26.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- ees.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Ashmen .....	313	\$1.25	3	67	22	\$84	\$28	0.21	\$392	
	313	1.50	3	504	168	756	252	1.61	470	
Total .....	313	1.47	6	571	95	840	140	1.82	460	
Blacksmiths .....	313	1.25	1	4	4	5	5	0.01	391	
	313	1.87	1	23	23	43	43	0.07	585	
	313	2.00	5	164	33	333	67	0.52	636	
	313	2.05	1	20	20	41	41	0.06	642	
	313	3.58½	1	12	12	43	43	0.04	1,122	
Total .....	313	2.08½	9	223	25	465	52	0.70	653	
Blacksmiths' helpers .....	313	1.50	6	217	36	321	54	0.69	463	
Catchers .....	286	2.50	2	402	201	1,005	503	1.41	715	
Cinder wheelers .....	286	1.35	3	269	90	364	121	0.94	387	
Drag-outs .....	286	1.75	4	600	152	1,061	265	2.12	501	
Engineers .....	313	2.25	2	401	201	910	455	1.28	710	
Firemen .....	313	1.50	3	414	138	621	207	1.32	470	
Hookers-up .....	286	1.75	2	390	195	683	342	1.36	501	
Laborers .....	313	1.25	28	518	19	649	23	1.65	392	
	313	1.35	4	39	10	52	13	0.12	417	
	313	1.50	2	371	186	556	278	1.19	469	
Total .....	313	1.35½	34	928	27	1,257	37	2.96	424	
Laborer and ore crusher .....	313	1.39½	1	234	234	327	327	0.75	437	
Laborer and watchman .....	313	1.75½	1	37	37	65	65	0.12	550	
Machinists .....	313	1.25	1	12	12	15	15	0.04	391	
	313	2.25	1	12	12	27	27	0.04	704	
	313	3.33½	1	12	12	40	40	0.04	1,043	
Total .....	313	2.28	3	36	12	82	27	0.12	713	
Mason .....	313	4.16	1	222	222	924	924	0.71	1,303	
Mason's helpers .....	313	1.71	2	314	157	537	269	1.00	535	
Millwrights .....	313	2.00	1	28	28	58	58	0.09	648	
	313	2.25	1	249	249	560	560	0.80	704	
Total .....	313	2.23	2	277	130	618	309	0.89	698	
Ore crushers .....	313	1.25	2	232	116	290	145	0.74	301	
	313	1.35	1	202	202	272	272	0.65	421	
	313	1.50	2	46	23	69	35	0.15	470	
Total .....	313	1.31½	5	480	96	631	126	1.54	411	
Puddlers .....	286	2.93	14	2,183	156	6,400	457	7.63	838	
	286	3.08½	34	5,802	171	17,903	527	20.29	882	
	286	3.32	5	455	91	1,511	302	1.59	950	
	286	3.56	1	34	34	121	121	0.12	1,018	
	286	3.84½	1	85	85	327	327	0.30	1,100	
Total .....	286	3.07	55	8,559	156	26,262	477	29.93	878	
Puddlers' helpers .....	286	1.00	55	8,518	155	8,518	155	29.78	286	
	286	1.53	50	8,366	167	12,786	256	29.25	437	
	286	1.68½	5	180	36	303	61	0.63	481	
Total .....	286	1.26½	110	17,064	155	21,607	196	59.66	362	
Rollers .....	286	5.00	2	406	203	2,030	1,015	1.42	1,430	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## E.—Muck Bar Iron: UNITED STATES—Concluded.

ESTABLISHMENT No. 26—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Roughers .....	286	\$2.50	2	406	203	\$1,015	\$508	1.42	\$715
Roughers' helpers .....	286	1.50	2	310	155	465	233	1.08	429
Stable boss .....	313	2.14½	1	14	14	30	30	0.04	671
Stockers .....	313	1.50	2	290	145	435	218	0.93	470
Stocker, boss .....	313	5.50	1	180	180	990	990	0.58	1,722
Teamsters .....	313	1.55	2	25	13	38	19	0.08	476
	313	1.80	1	12	12	22	22	0.04	574
Total .....	313	1.62	3	37	12	60	20	0.12	508
Watchmen .....	313	1.25	1	14	14	18	18	0.04	402
	313	1.50	1	15	15	22	22	0.05	459
	313	2.00	2	34½	174	715	358	1.11	643
	313	2.15	3	384	128	817	272	1.23	666
	313	2.25	1	12	12	27	27	0.04	704
Total .....	313	2.07	8	773	97	1,599	200	2.47	647
The establishment .....		1.91½	272	34,060	125	α 65,204	240	117.38	555

## F.—Muck Bar Iron: GREAT BRITAIN.

ESTABLISHMENT No. 36.

Foremen, puddlers .....	99	\$0.88½	1	99	99	\$88	\$88	1.00	\$88
	99	1.06	1	99	99	105	105	1.00	105
	99	1.46	2	198	99	289	145	2.00	145
Total .....	99	1.21½	4	396	99	482	121	4.00	121
Forge sweepers and roll scalers .....	99	.74	2	183	92	135	68	1.85	73
Grinding fettlers .....	99	.75	2	280	140	209	105	2.83	74
Iron sorters .....	99	.95½	3	406	135	378	129	4.10	95
	99	1.01½	1	134	134	136	136	1.35	100
Total .....	99	.97	4	540	135	524	131	5.45	96
Watchman .....	126	.95½	1	135	135	129	129	1.07	120
Weighmen .....	99	.88	2	198	99	175	88	2.00	88
Wheelers .....	99	.76	2	258	129	198	99	2.61	76
The establishment .....		.93	17	1,990	117	β 1,852	109	19.81	93

α In addition \$1,697 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 113 and 593.

β The earnings here shown are for only a part of the employés for four months. The statement for this establishment on page 113 is for all the employés for one year.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## G.—Finished Bar Iron: UNITED STATES.

## ESTABLISHMENT No. 8.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employes.	Days of work done.		Earnings.		Necessary employes.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Blacksmiths .....	299	\$1.50	3	352	117	\$528	\$176	1.18	\$449
	299	1.80	1	285	285	512	512	0.95	537
Total .....	299	1.63½	4	637	159	1,040	260	2.13	488
Catchers .....	299	2.05	1	21	21	43	43	0.07	612
	299	3.98½	1	265	265	1,056	1,056	0.89	1,191
Total .....	299	3.84½	2	286	143	1,099	550	0.96	1,149
Engineers .....	299	2.00	1	260	260	521	521	0.87	599
	299	2.50	1	280	280	700	700	0.94	748
	299	3.00	2	292	146	877	439	0.98	898
Total .....	299	2.52	4	832	208	2,098	525	2.79	754
Engineer, locomotive .....	299	3.00	1	299	299	897	897	1.00	897
Fireman .....	299	1.50	1	304	304	455	455	1.02	448
Heaters .....	299	4.61	2	538	269	2,479	1,240	1.80	1,378
	299	4.95	1	273	273	1,351	1,351	0.91	1,480
	299	5.18½	3	419	140	2,172	724	1.40	1,550
	299	5.80	1	291	291	1,686	1,686	0.97	1,732
Total .....	299	5.05½	7	1,521	217	7,688	1,098	5.08	511
Heaters' helpers .....	299	1.00	4	970	243	970	243	3.24	299
	299	1.40	1	295	295	412	412	0.99	418
	299	1.50	1	216	216	317	317	0.72	439
	299	1.60	1	222	222	357	357	0.74	481
Total .....	299	1.20½	7	1,703	243	2,056	294	5.69	361
Laborers .....	299	1.10	2	298	149	328	164	1.00	329
	299	1.25	16	3,326	208	4,161	260	11.12	374
	299	1.30	2	438	219	573	287	1.46	391
	299	1.50	1	261	261	386	386	0.87	442
Total .....	299	1.26	21	4,323	206	5,448	259	14.45	377
Mason .....	299	2.75	1	299	299	822	822	1.00	822
Metal wheeler .....	299	1.70	1	277	277	471	471	0.93	508
Millwright .....	299	3.75	1	300	300	1,123	1,123	1.00	1,119
Pullers-up (boys) .....	299	.30	2	551	184	165	55	1.84	90
Roll turner .....	299	3.00	1	202	202	605	605	0.68	896
Rollers .....	299	4.00	4	1,005	251	4,020	1,005	3.36	1,196
	299	5.36	1	271	271	1,452	1,452	0.91	1,602
Total .....	299	4.29	5	1,276	255	5,472	1,094	4.27	1,282
Roller, boss .....	299	17.91	1	292	292	5,230	5,230	0.98	5,355
Rollers' helper .....	299	2.00	1	271	271	541	541	0.91	597
Roughers .....	299	3.06½	3	618	206	1,895	632	2.07	917
	299	3.41	7	1,188	170	4,052	579	3.97	1,020
	299	3.50	1	271	271	947	947	0.91	1,045
	299	3.64	1	67	67	244	244	0.22	1,089
Total .....	299	3.33	12	2,144	179	7,138	595	7.17	995
Rougher-up .....	299	2.60	1	285	285	742	742	0.95	778
Scrapers .....	299	1.30	3	287	96	374	125	0.96	390
	299	1.50	2	378	189	567	284	1.26	449
	299	1.62½	1	265	265	430	430	0.89	485
Total .....	299	1.47½	6	930	155	1,371	229	3.11	441



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## G.—Finished Bar Iron: UNITED STATES—Continued.

ESTABLISHMENT No. 8—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Stickers-in.....	299	\$0. 70	1	241	241	\$168	\$168	0. 81	\$208
	299	. 80	2	293	147	234	117	0. 98	239
	299	1. 25	2	211	106	264	132	0. 71	374
Total .....	299	. 89½	5	745	149	666	133	2. 50	267
Straighteners.....	299	. 70	7	777	111	544	78	2. 60	209
	299	. 80	4	638	160	510	128	2. 13	239
	299	1. 60	1	151	151	242	242	0. 51	479
Total .....	299	. 83	12	1, 566	131	1, 296	108	5. 24	247
The establishment.....	.....	2. 44	97	19, 043	196	446, 423	479	63. 70	729

## ESTABLISHMENT No. 9.

Blacksmith.....	313	\$2.25	1	68	68	\$153	\$153	0.22	\$704
Blacksmith's helper.....	313	1.42	1	93	93	132	132	0.30	444
Carpenter and millwright.....	313	1.88½	1	79	79	149	149	0.25	590
Catchers.....	286	2.25	2	446	223	1,004	502	1.56	644
Cinderman.....	313	1.25	1	132	132	164	164	0.42	389
Engineers.....	313	1.35	2	440	220	594	297	1.41	423
Firemen.....	313	1.25	1	11	11	13	13	0.04	370
	313	1.40½	1	94	94	132	132	0.30	410
	313	1.80	1	259	259	463	463	0.83	560
Total .....	313	1.67	3	364	121	608	203	1.17	523
Heaters.....	286	7.03	2	472	236	3,318	1,659	1.65	2,010
Heaters' helpers.....	286	2.00	2	446	223	892	446	1.56	572
	286	3.00	4	892	223	2,676	669	3.12	858
Total .....	286	2.66½	6	1,338	223	3,568	595	4.68	763
Laborers.....	313	1.12½	26	711	27	811	31	2.27	357
	313	1.25	6	804	134	1,024	171	2.57	399
	313	1.40	1	322	322	458	458	1.03	445
	313	1.50	1	80	80	122	122	0.26	477
	313	2.00	1	3	3	6	6	0.01	626
Total .....	313	1.26	35	1,920	55	2,421	69	6.14	395
Machinists.....	313	2.25	1	113	113	254	254	0.36	704
	313	2.50	3	45	15	114	38	0.14	793
Total .....	313	2.33	4	158	40	368	92	0.50	729
Roll turner.....	313	5.99½	1	148	148	887	887	0.47	1,876
Rollers.....	286	10.77½	2	447	224	4,816	2,408	1.56	3,081
Rollers' helpers.....	286	2.50	3	670	223	1,675	558	2.34	715
Roughers.....	286	3.68½	8	1,784	223	6,576	822	6.24	1,054
Shearmen.....	286	2.37	1	223	223	528	528	0.78	677
	286	2.64	1	223	223	589	589	0.78	755
Total .....	286	2.50½	2	446	223	1,117	559	1.56	716

a The earnings here shown include amounts paid a few employés not in the finished bar iron department which it was impossible to exclude. The statement for this establishment on page 127 is for finished bar iron only.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**G.—Finished Bar Iron: UNITED STATES—Concluded.**

ESTABLISHMENT No. 9—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Shearmen's helpers.....	286	\$1.25	2	446	223	\$558	\$279	1.56	\$358
	286	1.75	2	443	222	774	387	1.55	500
Total .....	286	1.50	4	889	222	1,332	333	3.11	429
Stickers-in.....	286	1.50	2	447	224	671	336	1.56	429
Straighteners.....	286	1.35	6	1,338	223	1,806	301	4.68	386
The establishment.....	.....	2.68½	86	11,679	136	31,359	365	39.82	788

**H.—Finished Bar Iron: GREAT BRITAIN.**

ESTABLISHMENT No. 29.

Bar lifters and stock takers...	99	\$1.09½	3	312	104	\$343	\$114	3.15	\$109
	99	1.13½	1	115	115	131	131	1.16	113
Total .....	99	1.11	4	427	107	474	119	4.31	110
Bogie men .....	99	.97½	3	279	93	272	91	2.82	97
Box pile makers.....	99	1.03½	1	117	117	122	122	1.18	103
	99	1.21½	1	103	103	125	125	1.04	120
Total .....	99	1.12½	2	220	110	247	124	2.22	111
Bundlers and stock takers....	99	.87½	1	87	87	76	76	0.88	86
	99	1.09½	5	567	113	622	124	5.73	109
	99	1.18	4	440	110	519	130	4.44	117
	99	1.47½	1	111	111	164	164	1.12	146
Total .....	99	1.14½	11	1,205	110	1,381	126	12.17	113
Chargers .....	99	.69	5	540	108	375	75	5.45	69
Cutters-down.....	99	1.21½	1	99	99	121	121	1.00	121
	99	1.25½	2	193	97	244	122	1.95	125
Total .....	99	1.25	3	292	97	365	122	2.95	124
Foreman, bundlers and stock takers.	99	1.94½	1	99	99	193	193	1.00	193
Foreman, mill.....	99	1.46	1	99	99	145	145	1.00	145
Foreman, roll turners.....	99	3.54	1	99	99	350	350	1.00	350
Heaters.....	99	1.85½	9	742	82	1,377	153	7.49	184
	99	2.00½	1	83	83	167	167	0.84	199
	99	2.37½	6	477	80	1,132	189	4.82	235
Total .....	99	2.05½	16	1,302	81	2,676	167	13.15	203
Heaters' helpers.....	99	1.09½	10	800	80	875	88	8.08	108
Hookers-in .....	99	.97½	2	191	96	187	94	1.93	97
Horsemen .....	99	.81	1	125	125	101	101	1.26	80
	99	1.06	1	99	99	105	105	1.00	105
Total .....	99	.92	2	224	112	206	103	2.26	91

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## H.—Finished Bar Iron: GREAT BRITAIN—Continued.

ESTABLISHMENT No. 29—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Joiner .....	108	\$1.20	1	102	102	\$131	\$131	0.94	\$139
Laborers .....	108	.69	2	248	124	173	87	2.30	75
	108	.75	1	144	144	109	109	1.33	82
	108	.85	1	90	90	77	77	0.83	92
Total .....	108	.74½	4	482	121	359	90	4.46	80
Peelers .....	99	1.09½	2	215	108	236	118	2.17	109
Pilers .....	99	.79	1	80	80	62	62	0.81	77
	99	.81	2	188	94	154	77	1.90	81
	99	.82	1	88	88	73	73	0.89	82
Total .....	99	.81	4	356	89	289	72	3.60	80
Plate layers .....	99	.77	2	230	115	176	88	2.32	76
Roll ragger .....	99	.73	1	123	123	90	90	1.24	72
Roll scalars .....	99	.67	1	118	118	79	79	1.19	66
	99	.70	2	176	88	123	62	1.78	69
Total .....	99	.68½	3	294	98	202	67	2.97	68
Rollers .....	99	1.53	2	173	87	265	133	1.75	152
	99	2.38½	4	331	83	789	197	3.34	236
	99	3.06½	2	194	97	595	298	1.96	304
Total .....	99	2.36	8	698	87	1,649	206	7.05	234
Rollers' helpers .....	99	.77	4	388	97	299	75	3.92	76
	99	.85	4	368	92	313	78	3.72	84
	99	.99½	2	194	97	193	97	1.96	98
	99	1.01½	4	368	92	373	93	3.72	100
	99	1.09½	2	136	68	149	75	1.37	108
	99	1.46	2	194	97	283	142	1.96	144
	99	1.58	4	272	68	430	108	2.75	157
	99	1.82½	4	346	87	631	158	3.49	181
	99	2.00½	2	194	97	389	195	1.96	199
	99	2.19	4	390	98	854	214	3.04	217
	99	2.31	2	194	97	448	224	1.96	229
Total .....	99	1.43½	34	3,044	90	4,362	128	30.75	142
Rollers' helpers (boys) .....	99	.36½	2	136	68	50	25	1.37	36
	99	.42½	4	368	92	157	39	3.72	42
	99	.46½	4	368	92	172	43	3.72	46
	99	.61	2	136	68	83	42	1.37	60
	99	.67	1	98	98	65	65	0.99	66
Total .....	99	.47½	13	1,106	85	527	41	11.17	47
Storekeeper .....	99	.97½	1	99	99	96	96	1.00	96
Straightener .....	99	1.21½	1	127	127	154	154	1.28	120
Warehousemen .....	108	.89	1	108	108	97	97	1.00	97
	108	1.03½	1	128	128	140	140	1.19	118
Total .....	108	1.00½	2	236	118	237	119	2.19	108
Wash heaters .....	99	2.27½	2	186	93	423	212	1.88	225
Wash heaters' helper .....	99	.71	1	116	116	83	83	1.17	71
Weighmen .....	99	.85	1	110	110	94	94	1.11	85
	99	.91½	1	126	126	116	116	1.27	91
	99	1.15	1	99	99	114	114	1.00	114
Total .....	99	.96½	3	335	112	324	108	3.38	96

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**H.—Finished Bar Iron: GREAT BRITAIN—Concluded.**

ESTABLISHMENT No. 29—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Noces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Wheelers-in .....	99	\$0. 78½	2	185	93	\$145	\$73	1. 87	\$78
	99	. 89	2	183	92	164	82	1. 85	89
Total .....	99	. 84	4	368	92	309	77	3. 72	83
The establishment.....	.....	1. 25	147	13, 894	95	17, 393	118	139. 63	125

**J.—Steel Ingots: UNITED STATES.**

ESTABLISHMENT No. 1.

Blacksmiths .....	313	\$2.25	3	541	180	\$1,206	\$402	1.73	\$698
	313	2.45	1	192	192	470	470	0.61	766
	313	3.00	1	191	191	574	574	0.61	941
<b>Total .....</b>	313	2.43½	5	924	185	2,250	450	2.95	762
Blacksmiths and blacksmiths' helpers.	313	1.91½	8	80	10	153	19	0.26	599
Blacksmith and laborer .....	313	1.33½	1	6	6	8	8	0.02	417
Blacksmiths' helpers .....	313	1.50	6	861	144	1,291	215	2.75	469
Blowers, baking fan .....	313	1.73½	3	458	153	794	265	1.46	543
Blowers, converter .....	313	2.79½	2	296	148	827	414	0.95	874
Boilermaker .....	313	2.25	1	174	174	391	391	0.56	703
Bottom men .....	313	1.35	4	327	82	446	112	1.04	427
	313	1.50	3	237	79	355	118	0.76	469
	313	1.90	2	250	125	475	238	0.80	595
<b>Total .....</b>	313	1.57	9	814	90	1,276	142	2.60	491
Bottom man and coal handler.	313	1.66½	1	3	3	5	5	0.01	522
Bottom man and masous' helper	313	1.45	1	20	20	29	29	0.06	454
Bottom man and stone handler	313	1.50	1	2	2	3	3	0.01	470
Carboneer .....	313	2.73½	1	15	15	41	41	0.05	856
Charger .....	313	2.46½	1	125	125	308	308	0.40	771
Chemists .....	365	1.63	1	46	46	75	75	0.13	595
	365	1.81	1	229	229	414	414	0.63	660
	365	3.48½	1	269	269	938	938	0.74	1,273
	365	8.23	1	319	319	2,625	2,625	0.87	3,004
<b>Total .....</b>	365	4.69½	4	863	216	4,052	1,013	2.37	1,714
Cindermen .....	313	1.25	3	421	140	529	176	1.35	393
Cleaner, office .....	313	1.00	1	16	16	16	16	0.05	313
Coal handlers .....	313	1.38	5	42	8	58	12	0.13	432
	313	1.57	31	137	4	215	7	0.44	491
	313	1.66½	3	6	2	10	3	0.02	522
<b>Total .....</b>	313	1.53	39	185	5	283	7	0.59	479
Coal wheelers .....	313	1.54½	14	459	33	709	51	1.47	483
Coal wheeler and fireman .....	313	1.43	1	7	7	10	10	0.02	447
Coal wheeler and iron handler.	313	2.00	1	3	3	6	6	0.01	626
Coal wheeler and laborer .....	313	1.50	1	40	40	60	60	0.13	470
Coal wheeler and unloader .....	313	1.56½	1	30	30	47	47	0.10	490
Coke handlers .....	313	1.79½	6	306	51	549	92	0.98	562
Coke wheelers .....	313	1.87½	2	262	131	491	246	0.84	587

a The earnings here shown are for four months only. The statement for this establishment on page 127 is for one year.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 1—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per om- ployé.
				Tótal.	Aver- ago.	Total.	Aver- age.		
Conductors .....	313	\$1.50	13	691	53	\$1,030	\$79	2.21	\$467
	313	1.78	4	99	25	176	44	0.32	556
	313	2.03	1	102	102	207	207	0.33	635
	313	2.17	1	29	29	63	63	0.09	680
Total .....	313	1.60½	19	921	48	1,476	78	2.95	502
Conductors and engineers ....	313	1.72	3	436	145	751	250	1.39	539
	313	1.93	1	14	14	27	27	0.04	604
Total .....	313	1.73	4	450	113	778	195	1.43	541
Conductor and fireman .....	313	1.70	1	10	10	17	17	0.03	532
Conductors and laborers .....	313	1.45½	4	274	69	399	100	0.88	456
Conductor and ladleman .....	313	2.09½	1	128	128	268	268	0.41	655
Conductor and mould cooler ..	313	1.66	1	124	124	206	206	0.40	520
Crano boys .....	313	1.12½	2	247	124	282	141	0.79	357
Cranemen, hydraulic .....	313	1.40	3	10	3	14	5	0.03	438
	313	1.72½	4	130	33	224	56	0.42	539
	313	1.92½	1	13	13	25	25	0.04	602
	313	2.29½	6	854	142	1,961	327	2.73	719
Total .....	313	2.21	14	1,007	72	2,224	159	3.22	691
Cranemen, scrap .....	313	1.35	6	142	24	191	32	0.45	421
	313	1.45	2	29	15	42	21	0.09	453
Total .....	313	1.36½	8	171	21	233	29	0.54	426
Cranemen and laborers .....	313	1.49½	2	69	35	103	52	0.22	467
Cranemen and mould coolers ..	313	1.44½	1	122	122	176	176	0.39	452
	313	1.75	1	28	28	49	49	0.09	548
Total .....	313	1.50	2	150	75	225	113	0.48	470
Cranemen and mouldmen .....	313	1.86½	3	225	75	420	140	0.72	584
	313	2.16½	1	144	144	312	312	0.46	673
	313	2.36½	1	77	77	182	182	0.25	740
Total .....	313	2.05	5	446	89	914	183	1.43	611
Craneman and oiler .....	313	1.49	1	65	65	97	97	0.21	467
Cranemen and runners .....	313	1.66	2	269	135	446	223	0.86	519
	313	1.91½	1	152	152	296	296	0.49	610
Total .....	313	1.76	3	421	140	742	247	1.35	552
Crushers .....	313	1.35	3	136	45	183	61	0.43	421
Driers .....	313	1.25	1	185	185	232	232	0.59	393
	313	1.35	2	158	79	215	108	0.50	426
Total .....	313	1.30½	3	343	114	447	149	1.09	408
Dropmen .....	313	1.51	2	188	94	284	142	0.60	473
Dumpers .....	313	1.31	10	1,403	140	1,835	184	4.48	409
Dumpers and iron handlers ..	313	1.50½	3	79	26	119	40	0.25	471
Dumper and laborer .....	313	1.30	1	10	10	13	13	0.03	407

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 1—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Engineers .....	313	\$1.35	1	86	86	\$117	\$117	0.27	\$426	
	313	1.50	1	16	16	23	23	0.05	450	
	313	1.70	2	217	109	369	185	0.69	582	
	313	1.75	3	315	105	550	183	1.01	547	
	313	1.80	2	457	229	818	409	1.46	560	
	313	2.00	1	20	20	40	40	0.06	626	
	313	2.27	2	306	153	694	347	0.98	710	
Total .....	313	1.84½	12	1,417	118	2,611	218	4.52	577	
Engineers, locomotive .....	313	2.15	7	249	36	535	76	0.80	673	
Engineers and laborers .....	313	1.46	3	98	33	143	48	0.31	457	
	313	1.83½	1	18	18	33	33	0.06	574	
Total .....	313	1.51½	4	116	29	176	44	0.37	475	
Engineer and rigger .....	313	1.91½	1	205	205	393	393	0.65	600	
Fillers, cupola .....	313	2.35	2	259	130	609	305	0.83	736	
Firemen .....	313	1.82	2	22	11	40	20	0.07	569	
	313	2.00	6	54	9	108	18	0.17	626	
	313	2.10	4	432	108	893	223	1.38	647	
Total .....	313	2.05	12	508	42	1,041	87	1.62	641	
Fireman and laborer .....	313	1.50	1	2	2	3	3	0.01	470	
Fireman and stocker .....	313	1.94	1	50	50	97	97	0.16	607	
Fireman and vesselman .....	313	1.78	1	18	18	32	32	0.06	556	
Foreman .....	365	4.44	1	105	105	466	466	0.79	1,620	
Foremen, converter .....	365	4.73	2	732	366	3,461	1,731	2.01	1,726	
Foremen, iron handlers .....	313	1.81½	1	208	208	378	378	0.66	569	
	313	2.00	1	248	248	496	496	0.79	626	
Total .....	313	1.91½	2	456	228	874	437	1.45	600	
Foremen, laborers .....	365	1.83½	1	12	12	22	22	0.03	669	
	365	3.25	1	105	105	341	341	0.29	1,185	
Total .....	365	3.10½	2	117	59	363	182	0.32	1,132	
Foreman, mixers .....	313	2.65	1	257	257	681	681	0.82	829	
Foreman, stockers .....	313	4.07	1	138	138	562	562	0.44	1,275	
Inspector .....	313	2.70	1	61	61	165	165	0.19	847	
Inspector, mould .....	313	1.25	1	192	192	240	240	0.61	391	
Inspector, stock .....	313	2.25	1	136	136	300	300	0.43	690	
Iron handlers .....	313	1.17½	8	23	3	27	3	0.07	367	
	313	1.47	12	72	6	106	9	0.23	461	
	313	1.66½	38	1,918	50	3,198	84	6.13	522	
	313	2.20	3	5	2	11	4	0.02	689	
Total .....	313	1.65½	61	2,018	33	3,342	55	6.45	518	
Iron handlers and laborers .....	313	1.43	13	322	25	460	35	1.03	447	
	313	1.52	1	23	23	35	35	0.07	476	
	313	2.00	1	9	9	18	18	0.03	626	
Total .....	313	1.45	15	354	24	513	34	1.13	454	
Iron handler and screener .....	313	1.39	1	46	46	64	64	0.15	435	
Iron handler and stocker .....	313	1.33½	1	3	3	4	4	0.01	417	
Iron handlers and unloaders .....	313	1.48½	6	37	6	55	9	0.12	465	
Janitors .....	365	.50	2	111	56	56	28	0.30	184	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued,

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 1—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborers.....	313	\$1.25	159	2,695	17	\$3,396	\$21	8.61	\$394
	313	1.35	25	1,398	56	1,897	76	4.47	425
	313	1.50	2	30	15	45	23	0.10	470
Total.....	313	1.29½	186	4,123	22	5,338	29	13.18	405
Laborers and ladlemen.....	313	1.60½	1	33	33	53	53	0.11	503
	313	2.00	1	17	17	34	34	0.05	626
Total.....	313	1.74	2	50	25	87	44	0.16	545
Laborers and lifters.....	313	1.39½	2	338	169	471	236	1.08	436
Laborer and mouldman.....	313	1.67½	1	34	34	57	57	0.11	525
Laborers and oilers.....	313	1.43	2	228	114	326	163	0.73	448
Laborer and pit cleaner.....	313	1.35½	1	14	14	19	19	0.04	425
Laborers and runners.....	313	1.69	2	13	7	22	11	0.04	530
Laborers and scrapmen.....	313	1.56½	6	67	11	105	18	0.21	491
	313	1.78	3	36	12	64	21	0.12	556
	313	2.09½	1	179	179	375	375	0.57	056
Total.....	313	1.93	10	282	28	544	54	0.90	604
Laborers and stockers.....	313	1.53½	3	67	22	103	34	0.21	481
Laborers and unloaders.....	313	1.39½	9	179	20	250	28	0.57	437
	313	1.59½	2	183	92	292	146	0.58	499
Total.....	313	1.49½	11	362	33	542	49	1.15	469
Laborer and vessel tender....	313	1.45½	1	209	209	304	304	0.67	455
Ladle stoppers.....	313	1.25	2	4	2	5	3	0.01	391
	313	3.70½	1	164	164	608	608	0.52	1,160
	313	4.45½	1	11	11	49	49	0.04	1,394
Total.....	313	3.70	4	179	45	662	166	0.57	1,158
Ladleman.....	313	1.35	2	161	81	215	108	0.51	418
	313	2.37½	4	569	142	1,350	338	1.82	743
	313	2.61½	2	218	109	577	289	0.70	828
	313	2.86½	2	223	112	639	320	0.71	897
	313	3.48½	2	237	119	826	413	0.76	1,091
Total.....	313	2.56	12	1,408	117	3,607	301	4.50	802
Ladleman and mouldman.....	313	2.61½	1	80	80	209	209	0.26	818
Ladleman and pit cleaner.....	313	1.62	1	119	119	193	193	0.38	508
Ladleman and runner.....	313	1.66½	1	3	3	5	5	0.01	522
Ladleman and scrap cleaners..	313	1.54½	1	137	137	212	212	0.44	484
	313	1.86½	1	37	37	69	69	0.12	584
Total.....	313	1.61½	2	174	87	281	141	0.56	505
Liftmen.....	313	1.35	3	492	164	674	225	1.57	429
Machinists.....	313	2.00	3	259	80	515	172	0.83	622
	313	2.25	1	17	17	38	38	0.05	700
	313	2.45	7	347	50	850	121	1.11	767
	313	2.50	1	20	20	50	50	0.06	783
Total.....	313	2.26	12	613	54	1,453	121	2.05	707
Machinists' helpers.....	313	1.25	4	33	8	41	10	0.11	389
Machinists' helper and oiler...	313	1.31	1	29	29	38	38	0.09	410



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 1—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Manganese heaters .....	313 313	\$1.35 1.46½	1 1	66 226	66 226	\$89 331	\$89 331	0.21 0.72	\$422 453
Total .....	313	1.44	2	292	146	420	210	0.93	450
Manganese heater and scrap- man.	313	1.47½	1	149	149	220	220	0.48	462
Masons .....	313 313 313 313	2.20 3.14½ 3.25 4.00	1 1 4 2	5 7 62 45	5 7 16 23	11 22 202 181	11 22 51 91	0.02 0.02 0.20 0.14	689 984 1,020 1,259
Total .....	313	3.49½	8	119	15	416	52	0.38	1,094
Masons' helpers .....	313 313	1.50 1.62½	7 1	429 20	61 20	648 33	93 33	1.37 0.06	473 516
Total .....	313	1.51½	8	449	56	681	85	1.43	475
Master mechanic .....	365	6.58½	1	319	319	2,100	2,100	0.87	2,403
Melters .....	313 313	3.31 3.90	2 1	269 10	135 10	891 39	446 39	0.86 0.03	1,037 1,221
Total .....	313	3.33½	3	279	93	930	310	0.89	1,043
Melter and scrapman .....	313	2.54	1	50	50	127	127	0.16	795
Mould coolers .....	313	1.35	8	240	30	326	41	0.77	425
Mould cooler and stocker .....	313	1.70	1	26	26	45	45	0.08	542
Mouldmen .....	313 313 313 313 313 313 313	2.00 2.23 2.50 2.87½ 3.08 3.32 3.53½	1 1 2 7 10 4 1	123 91 10 911 1,089 425 123	123 91 5 130 109 106 123	245 200 25 2,618 3,353 1,412 435	245 200 13 374 335 353 435	0.39 0.29 0.03 2.91 3.48 1.36 0.39	623 688 783 899 964 1,040 1,107
Total .....	313	2.99	26	2,772	107	8,288	319	8.85	936
Mouldman and scrap cleaner .	313	2.59½	1	42	42	109	109	0.13	812
Mouldman and scrapman .....	313	1.98½	1	74	74	147	147	0.24	622
Oilers .....	313 313	1.25 1.40	3 3	160 323	53 108	291 455	67 152	0.51 1.03	393 441
Total .....	313	1.36	6	483	81	656	109	1.54	425
Painters .....	313 313	1.50 1.75	2 1	25 11	13 11	38 19	19 19	0.08 0.04	476 541
Total .....	313	1.58½	3	36	12	57	19	0.12	496
Panhouse mon .....	313 313	1.35 1.40	3 6	277 593	92 99	374 824	125 137	0.88 1.89	423 435
Total .....	313	1.37½	9	870	97	1,198	133	2.77	431
Panhouse man and scrapman .	313	1.50	1	2	2	3	3	0.01	470
Pipe fitters .....	313 313 313	1.50 1.75 2.37½	2 1 1	45 80 35	23 80 35	71 139 82	36 139 82	0.15 0.26 0.11	483 544 733
Total .....	313	1.81½	4	161	40	292	73	0.52	563



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 1—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Pit cleaners.....	313	\$2.41	11	1,045	95	\$2,521	\$229	3.34	\$755
Pumpmen .....	313	1.60	2	402	201	649	325	1.28	505
Riggers .....	313	1.50	2	29	15	44	22	0.09	475
	313	2.00	1	23	23	47	47	0.07	640
Total .....	313	1.75	3	52	17	91	30	0.16	548
Roofer .....	313	1.37½	1	79	79	108	108	0.25	428
Runners .....	313	1.83½	1	6	6	11	11	0.02	574
	313	2.29	4	228	57	522	131	0.73	717
	313	2.44½	4	383	96	937	234	1.22	766
	313	3.00	1	6	6	18	18	0.02	939
Total .....	313	2.39	10	623	62	1,488	149	1.99	748
Runner and scrap cleaner .....	313	1.70	1	20	20	34	34	0.06	532
Runner and slagman.....	313	1.92	1	25	25	48	48	0.08	601
Runners and spiegel melters' helpers.	313	2.42½	2	131	66	318	159	0.42	760
Scrap boys.....	313	.75	1	73	73	54	54	0.23	232
	313	.80	5	146	29	119	24	0.47	255
	313	1.00	1	13	13	13	13	0.04	313
Total.....	313	.80	7	232	33	186	27	0.74	251
Scrap cleaners.....	313	1.35	22	681	31	925	42	2.18	425
	313	1.45	3	175	58	252	84	0.56	451
Total.....	313	1.37½	25	856	34	1,177	47	2.74	430
Scrap cleaner and spiegel melt- er's helper.	313	1.80	1	91	91	164	164	0.29	564
Scrap cleaners and stockers...	313	1.56½	1	97	97	152	152	0.31	490
	313	1.95	1	168	168	328	328	0.54	611
Total.....	313	1.81	2	265	133	480	240	0.85	567
Scrapmen.....	313	1.25	10	64	6	82	8	0.20	401
	313	1.35	2	3	2	4	2	0.01	417
	313	1.50	3	153	51	230	77	0.49	471
	313	1.84	7	211	30	388	55	0.67	576
	313	1.99½	15	369	25	736	49	1.18	624
	313	2.26½	3	30	10	68	23	0.10	709
	313	2.85½	2	7	4	20	10	0.02	894
Total.....	313	1.82½	42	837	20	1,528	36	2.67	571
Scrapmen and unloaders.....	313	1.80	2	10	5	18	9	0.03	563
Scrapmen and water carriers.	313	1.40	1	10	10	14	14	0.03	438
	313	1.82	2	11	6	20	10	0.04	569
Total.....	313	1.62	3	21	7	34	11	0.07	507
Screeners.....	313	1.43	2	7	4	10	5	0.02	447
Slagmen.....	313	1.40	2	87	44	118	59	0.28	425
	313	1.58½	1	126	126	200	200	0.40	497
Total .....	313	1.49½	3	213	71	318	106	0.68	467
Slurry mixers.....	313	1.35	4	248	62	333	83	0.79	420

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

## ESTABLISHMENT No. 1—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Steel pourers.....	313	\$3.14½	2	253	127	\$796	\$398	0.81	\$985	
Stockers.....	313	1.38½	3	13	4	18	6	0.04	433	
	313	1.81½	5	164	33	298	60	0.52	569	
	313	1.96	11	544	49	1,065	97	1.74	613	
	313	2.15	16	1,436	90	3,086	193	4.59	673	
	313	2.41½	1	12	12	29	29	0.04	756	
	313	2.78	1	123	123	342	342	0.39	870	
Total.....	313	2.11	37	2,292	62	4,838	131	7.32	661	
Stocker and unloader.....	313	1.66½	1	3	3	5	5	0.01	522	
Stone breaker.....	313	1.82½	1	149	149	272	272	0.48	571	
Stone wheelers.....	313	1.78½	2	235	118	419	210	0.75	558	
Storekeepers.....	313	1.64	3	402	134	660	220	1.28	514	
Sweeper.....	313	1.50	1	147	147	214	214	0.47	456	
Sweeper and water carrier.....	313	1.44½	1	9	9	13	13	0.03	452	
Tappers, cupola.....	313	3.06½	4	499	125	1,530	383	1.59	960	
Tester.....	313	7.00	1	20	20	140	140	0.06	2,191	
Timekeeper.....	365	2.58	1	327	327	844	844	0.90	942	
Transfermen.....	313	1.66½	2	6	3	10	5	0.02	522	
	313	1.97½	1	87	87	172	172	0.28	619	
	313	2.42	1	67	67	162	162	0.21	757	
Total.....	313	2.15	4	160	40	344	86	0.51	673	
Unloaders.....	313	1.58½	11	216	20	342	31	0.69	456	
Vessel tenders.....	313	1.35	3	104	35	139	46	0.33	418	
	313	1.50	4	105	26	154	39	0.34	459	
Total.....	313	1.40	7	209	30	293	42	0.67	439	
Vesselmen.....	313	2.70	9	1,287	143	3,478	386	4.11	846	
	313	2.40	1	171	171	581	581	0.55	1,063	
	313	3.90½	1	128	128	500	500	0.41	1,223	
Total.....	313	2.87½	11	1,586	144	4,559	414	5.07	900	
Watchmen.....	365	1.20	1	107	107	129	129	0.29	440	
	365	1.50	11	288	26	430	39	0.79	545	
	365	3.00	1	105	105	315	315	0.29	1,095	
Total.....	365	1.75	13	500	38	874	67	1.37	638	
Water carriers.....	313	1.35	7	357	51	487	70	1.14	427	
Water tenders.....	313	1.50	2	278	139	416	208	0.89	468	
Weighmen.....	313	1.80	3	407	136	733	244	1.30	564	
The establishment.....	.....	2.03½	921	49,048	53	99,891	108	155.29	643	

## ESTABLISHMENT No. 2.

Bottom builders.....	132	\$2.69	2	187	94	\$503	\$252	1.42	\$355	
	132	3.25	2	211	106	686	343	1.60	429	
Total.....	132	2.98½	4	398	100	1,189	297	3.02	394	
Cinder tapper.....	132	2.25	1	78	78	175	175	0.59	296	
Cinder tapper and manganese heater.....	132	2.93½	1	80	80	235	235	0.61	388	
Cinderman and vesselman.....	132	2.66	1	115	115	306	306	0.87	351	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 2—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Coke wheelers .....	132	\$2.18	2	148	74	\$323	\$162	1.12	\$288
Coke wheelers and laborers...	144	1.86	2	156	78	290	145	1.08	268
Cupolamen.....	132	2.74½	2	154	77	423	212	1.17	363
	132	4.56	2	162	81	739	370	1.23	602
Total.....	132	3.67½	4	316	79	1,162	291	2.40	485
Engineers.....	144	2.10	1	177	177	372	372	1.23	303
	132	2.40	2	244	122	576	288	1.85	312
Total.....	137	2.25	3	421	140	948	316	3.08	308
Engineers, fan.....	132	1.60	1	88	88	140	140	0.67	210
	132	1.90	2	259	130	482	241	1.96	246
Total.....	132	1.79½	3	347	116	622	207	2.63	237
Foremen, pitmen .....	132	4.49	2	202	101	907	454	1.53	593
Laborers .....	144	1.40	26	1,424	55	2,005	77	9.89	203
	144	1.50	10	836	84	1,238	124	5.81	213
	144	1.55	3	181	60	280	93	1.26	223
	144	1.60	27	1,037	38	1,660	61	7.20	231
	144	1.65	4	258	65	426	107	1.79	238
	144	1.71½	3	380	127	652	217	2.64	247
	144	2.00	2	174	87	355	178	1.21	294
Total.....	144	1.54	75	4,290	57	6,616	88	29.80	222
Laborer and ladle liner .....	144	1.97½	1	110	110	217	217	0.76	284
Laborers and metal wheelers..	144	1.84	2	94	47	173	87	0.65	265
Laborers and vessel cinders...	144	2.09½	2	219	110	459	230	1.52	302
Laborer and weighman.....	144	1.61	1	116	116	187	187	0.81	232
Ladle liners.....	132	1.16½	1	6	6	7	7	0.05	154
	132	1.81½	1	65	65	118	118	0.49	240
	132	2.13	5	343	69	730	146	2.60	281
	132	2.48½	1	70	70	174	174	0.53	328
	132	2.82½	2	138	69	390	195	1.05	373
	132	3.06	2	195	98	597	299	1.48	404
	132	3.26	1	97	97	316	316	0.73	430
Total.....	132	2.55	13	914	70	2,332	179	6.93	337
Ladle liners and pushers.....	132	2.00½	2	157	79	316	158	1.19	266
Ladle liners and vessel cinders.	132	2.00	1	11	11	22	22	0.08	264
	132	2.34½	1	26	26	61	61	0.20	310
Total.....	132	2.24½	2	37	19	83	42	0.28	296
Ladle liner and vessel repairer.	132	1.39½	1	28	28	39	39	0.21	184
Manganese heaters.....	132	3.60	4	343	86	1,234	309	2.60	475
Manganese heaters' helpers ..	132	2.64	2	218	109	576	288	1.65	349
Master mechanic.....	144	3.50	1	182	182	637	637	1.26	504
Mechanics ...	144	2.18½	1	153	153	334	334	1.06	314
	144	2.40	1	160	160	385	385	1.11	347
Total.....	144	2.29½	2	313	157	719	360	2.17	331
Mechanics' helper.....	144	1.50	1	104	104	158	158	0.72	219
Metal wheelers.....	132	2.26½	6	445	74	1,008	168	3.37	299
	132	2.39	7	532	76	1,272	182	4.03	316
Total.....	132	2.33½	13	977	75	2,280	175	7.40	308



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 2—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Pitmen.....	132	\$3.52	6	538	90	\$1,894	\$316	4.08	\$165
	132	3.62½	9	848	94	3,073	341	6.42	478
Total.....	132	3.58½	15	1,386	92	4,967	331	10.50	473
Pitman and pusher.....	132	2.33	1	112	112	261	261	0.85	308
Pitmen and sanders.....	132	2.78	1	109	109	303	303	0.83	367
	132	3.07½	1	94	94	289	289	0.71	466
Total.....	132	2.91½	2	203	102	592	296	1.54	385
Pitmen and vessel cinders.....	132	3.06½	2	203	102	622	311	1.54	404
Pushers.....	132	2.19	1	78	78	171	171	0.59	289
	132	2.28	1	18	18	41	41	0.14	301
Total.....	132	2.21	2	96	48	212	106	0.73	292
Pushers and sanders.....	132	2.15½	2	186	93	401	201	1.41	285
Pushers and vessel cinders.....	132	2.54½	2	33	17	84	42	0.25	336
Regulators.....	132	2.10	7	636	91	1,336	191	4.82	277
	132	2.74	2	218	109	597	299	1.65	361
Total.....	132	2.26½	9	854	95	1,933	215	6.47	299
Regulator and test boy.....	132	1.67½	1	101	101	169	169	0.77	221
Stopper carriers and stopper setters.	132	3.40½	4	318	80	1,083	271	2.41	450
	132	3.63½	1	99	99	358	358	0.75	477
Total.....	132	3.45½	5	417	83	1,441	288	3.16	456
Stopper carrier and vessel cin- der.	132	2.94½	1	95	95	280	280	0.72	389
Test boys.....	132	1.60	4	142	36	226	57	1.08	210
Vessel cinders.....	132	2.37½	1	32	32	76	76	0.24	314
	132	2.80½	2	132	66	370	185	1.00	370
Total.....	132	2.72	3	164	55	446	149	1.24	359
Vessel repairer.....	132	2.40	1	32	32	77	77	0.24	318
Vessel scrapers.....	132	1.00	1	4	4	4	4	0.03	132
	132	1.61½	2	13	7	21	11	9.10	213
	132	2.17	2	190	95	412	206	1.44	286
Total.....	132	2.11	5	207	41	437	87	1.57	279
Vesselmen.....	132	2.84	2	204	102	579	290	1.55	375
	132	3.19½	1	36	36	115	115	0.27	422
	132	4.47½	2	220	110	984	492	1.67	590
Total.....	132	3.65	5	460	92	1,678	336	3.49	482
Water boys.....	132	.70	9	368	41	258	29	2.79	93
Weighmasters.....	132	1.80	1	70	70	125	125	0.53	236
	132	2.65	3	172	57	456	152	1.30	350
Total.....	132	2.40	4	242	61	581	145	1.83	317
The establishment.....		2.35	218	15,664	72	30,848	169	115.06	320

α The earnings here shown are for only a part of the employés for twenty-four weeks. The state-  
ment for this establishment on page 155 is for all the employés for twenty-five weeks.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

## ESTABLISHMENT No. 5.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period,						Condition if workmen had continuous employment.	
			Different employ-es.	Days of work done.		Earnings.		Necessary employés.	Consequent average earnings per employé.	
				Total.	Average.	Total.	Average.			
Bricklayers .....	132	\$3.00	3	4	1	\$12	\$4	0.03	\$306	
	132	4.00	9	13	1	53	6	0.10	533	
Total.....	132	3.82½	12	17	1	65	5	0.13	505	
Bricklayers' helpers .....	132	1.50	2	2	1	3	2	0.02	198	
Cranemen .....	132	1.10	2	176	88	194	97	1.33	146	
Foreman .....	132	4.00	1	132	132	524	524	1.00	524	
Gasmakers .....	132	2.50	2	299	150	748	374	2.27	330	
Gasmakers' helpers .....	132	1.60	4	305	76	493	123	2.31	213	
Laborers .....	132	1.25	5	92	18	116	23	0.70	166	
Laborer and pitmen's helper..	132	1.43	1	14	14	20	20	0.11	189	
Ladle-men .....	132	1.70	1	99	99	164	164	0.75	219	
	132	1.91½	1	31	31	50	59	0.23	251	
Total.....	132	1.71½	2	130	65	223	112	0.98	226	
Ladle-men's helpers .....	132	1.32½	3	167	56	221	74	1.27	175	
Ladle-men's helper and pitmen's helper.	132	1.64	1	117	117	192	192	0.89	217	
Melter .....	132	3.03	1	135	135	409	409	1.02	400	
Melter and melter's helper...	132	2.28½	1	119	119	272	272	0.90	302	
Melter's helpers .....	132	1.81	2	142	71	257	129	1.08	239	
Pitmen.....	132	1.69½	2	222	111	376	188	1.68	224	
Pitmen's helpers .....	132	1.25	6	78	13	98	16	0.59	166	
	132	1.41½	4	245	61	347	87	1.86	187	
Total.....	132	1.38	10	323	32	445	45	2.45	182	
Pumpmen.....	132	1.50	5	200	40	301	60	1.52	199	
Stackers .....	132	1.35½	14	501	36	679	49	3.80	179	
Tester .....	132	1.54½	1	81	81	125	125	0.61	204	
The establishment .....		1.78½	71	3,174	45	5,663	80	24.07	236	

## ESTABLISHMENT No. 7.

Ashmen.....	230	\$1.55	4	21	5	\$33	\$8	0.09	\$361	
Blowers.....	230	2.80	1	9	9	25	25	0.04	639	
	230	3.85	1	121	121	465	465	0.53	884	
	230	4.11½	1	222	222	914	914	0.97	547	
Total.....	230	3.99	3	352	117	1,404	468	1.54	917	
Blowers and regulators .....	230	3.24½	1	193	193	626	626	0.84	746	
	230	3.77½	1	205	205	774	774	0.89	868	
Total.....	230	3.52	2	398	199	1,400	700	1.73	809	
Bottom builders.....	230	4.89	2	328	164	1,604	802	1.43	1,125	
Bottom builders' helpers.....	230	3.87½	2	378	189	1,465	733	1.64	891	
Bottom builders' helper and grinder.	230	1.80	1	235	235	423	423	1.02	414	
Brakemen, locomotive.....	230	1.55	3	77	26	119	40	0.33	355	
Charger and pushers' helper..	230	2.97	1	105	105	312	312	0.46	683	

a The earnings here shown are for five months and probably for only a part of the employés. The statement for this establishment on page 155 is for all the employés for six months.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 7—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Cinder snappers .....	230	\$2.00	1	1	1	\$2	\$2	0.00	\$460
	230	3.15½	1	205	205	647	647	0.89	726
	230	3.42	4	716	179	2,449	612	3.11	787
Total.....	230	3.36	6	922	154	3,098	516	4.00	773
Cinder snapper and cinder whoeler.	230	1.83	1	65	65	119	119	0.28	421
Cinder snapper and craneman.	230	2.82	1	22	22	62	62	0.10	648
Cinder snapper and steel pourer	230	5.40	1	20	20	108	108	0.09	1,242
Cinder tapper and ladle liner..	230	3.49	1	121	121	422	422	0.53	802
Cinder wheelers.....	230	1.55	3	69	23	107	36	0.30	357
Cinder wheeler and fireman...	230	1.66½	1	6	6	10	10	0.23	383
Cindermen .....	230	3.59	1	90	90	323	323	0.39	825
	230	3.92½	2	239	120	938	469	1.04	903
	230	4.12	1	172	172	709	709	0.75	948
Total.....	230	3.93	4	501	125	1,970	493	2.18	904
Cinderman, furnace.....	230	1.60	1	10	10	16	16	0.04	368
Cinderman and grinder .....	230	2.39	1	228	228	545	545	0.99	550
Cindermen and metal wheelers	230	3.21	2	269	135	863	432	1.17	738
	230	3.79	1	184	184	697	697	0.80	871
Total.....	230	3.44½	3	453	151	1,560	520	1.97	792
Cinderman and scrap loader ..	230	2.91	1	135	135	393	393	0.59	670
Coke stockers.....	230	3.10½	2	349	175	1,084	542	1.52	714
Coke stocker and vessel re- pairer.	230	1.85	1	169	169	313	313	0.73	426
Coke wheelers .....	230	3.21½	2	370	185	1,190	595	1.61	740
Crane shifters.....	230	2.00	2	245	123	491	246	1.07	461
Crane shifter and iron pourer.	230	2.57½	1	153	153	394	394	0.67	592
Craneman.....	230	1.70	1	132	132	221	221	0.57	385
Cupola firemen.....	230	6.44½	2	378	189	2,437	1,219	1.64	1,483
Cupola firemen's helpers.....	230	4.21½	2	399	200	1,682	841	1.73	970
Doormen and laborers.....	251	2.04½	2	46	23	94	47	0.18	513
Doorman and pusher.....	230	1.95½	1	43	43	84	84	0.19	449
Doorman and tester.....	230	1.62½	1	8	8	13	13	0.03	374
Doorman and vessel repairer..	230	2.02	1	46	46	93	93	0.20	465
Engineers, grinding.....	230	1.85	2	468	234	866	433	2.03	426
Engineers, locomotive.....	230	1.89½	3	404	135	765	255	1.76	436
Foremen .....	251	4.81	3	568	189	2,733	911	2.26	1,208
Gasmakers.....	230	2.00	2	440	220	872	436	1.91	456
Gasmakers' helpers .....	230	1.66	3	395	132	654	218	1.72	381
Gasmakers' helper and ladle liner.	230	1.90	1	40	40	76	76	0.17	437
Gasmakers' helper and pit cleanor.	230	1.73½	1	38	38	66	66	0.17	399
Gasmakers' helper and stop- per setter.	230	1.82½	1	74	74	135	135	0.32	420
Gasmakers' helper and tongs- man.	230	2.66½	1	15	15	40	40	0.07	613
Greasers .....	230	1.85	4	538	135	993	248	2.34	425
Grinders' helpers .....	230	1.65	6	524	87	859	143	2.28	377
Grinders' helper and ladle racker.	230	1.71	1	222	222	380	380	0.97	394
Grinders' helper and metal wheeler.	230	2.36½	1	180	180	426	426	0.78	544
Hooker and laborer.....	251	2.05½	1	19	19	39	39	0.08	515
Ingot loaders.....	230	4.50	1	14	14	63	63	0.06	1,035
	230	5.01	1	166	166	832	832	0.72	1,153
	230	5.25	4	735	184	3,859	965	3.20	1,208
Total.....	230	5.19½	6	915	153	4,754	792	3.98	1,195

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 7—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Ingot loader and mould capper.	230	\$4.38½	1	186	186	\$816	\$816	0.81	\$1,009
Ingot loader and mould swinger.	230	5.24½	1	140	140	734	734	0.61	1,206
Iron melter and regnlator.....	230	2.76½	1	148	148	409	409	0.64	636
Iron pourer .....	230	4.01	1	185	185	742	742	0.80	922
Iron pourer and laborer.....	230	3.73½	1	218	218	814	814	0.95	859
Iron stocker.....	230	1.75	1	107	107	187	187	0.47	402
Iron stocker and scrap loader.	230	2.00	1	113	113	225	225	0.49	458
Laborers .....	251	1.40	15	213	14	302	20	0.85	356
	251	1.50	9	147	16	220	24	0.59	376
	251	1.55	19	322	17	499	26	1.28	389
	251	1.60	1	15	15	24	24	0.06	402
Total.....	251	1.50	44	697	16	1,045	24	2.78	376
Laborer and metal breaker....	251	1.66½	1	9	9	15	15	0.04	418
Laborers and metal wheelers..	251	1.50	1	10	10	15	15	0.04	377
	251	3.05½	1	174	174	532	532	0.69	767
Total.....	251	2.97½	2	184	92	547	274	0.73	746
Laborers and mould cappers..	251	1.95½	1	23	23	45	45	0.09	491
	251	2.43	1	72	72	175	175	0.29	610
Total.. ..	251	2.31½	2	95	48	220	110	0.38	581
Laborer and pit cleaner.....	251	1.52	1	48	48	73	73	0.19	382
Laborer and pusher.....	251	2.00	1	6	6	12	12	0.02	502
Laborer and regulator .....	251	1.50	1	16	16	24	24	0.06	377
Ladle cleaners .....	230	3.20	1	116	116	370	370	0.50	734
	230	3.98½	1	140	140	558	558	0.61	917
Total.....	230	3.62½	2	256	128	928	464	1.11	834
Ladle liner .....	230	4.52	1	188	188	850	850	0.82	1,040
Ladle liner and ladle packer ..	230	3.02	1	138	138	417	417	0.60	695
Ladle liner and vesselman.....	230	6.07	1	168	168	1,020	1,020	0.73	1,336
Ladle liner's helpers .....	230	3.51½	1	182	182	640	640	0.79	809
	230	3.86	1	189	189	730	730	0.82	888
Total.....	230	3.69½	2	371	186	1,370	685	1.61	849
Ladle racker .....	230	1.70	1	189	189	321	321	0.82	391
Limestone wheelers.....	230	1.40	1	19	19	26	26	0.08	315
	230	1.65	1	172	172	284	284	0.75	380
Total.....	230	1.62½	2	191	96	310	155	0.83	373
Loam mixer .....	230	1.65	1	206	206	336	336	0.90	375
Manganese heaters .....	230	5.20½	2	389	195	2,025	1,013	1.69	1,197
Manganesc heaters' helpers...	230	2.00	1	3	3	6	6	0.01	460
	230	2.82	2	391	196	1,103	552	1.70	649
Total.....	230	2.81½	3	394	131	1,109	370	1.71	647
Mechanics .....	251	1.70	1	187	187	318	318	0.75	427
	251	1.75	1	216	210	378	378	0.86	439
	251	1.85	1	189	189	351	351	0.75	466
Total.....	251	1.77	3	592	197	1,047	349	2.36	444



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Continued.

ESTABLISHMENT No. 7—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- ees.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Metal stocker.....	230	\$2.50	1	6	6	\$15	\$15	0.03	\$575	
Metal stockers and scrap handlers.	230	2.22½	1	93	93	207	207	0.40	512	
	230	3.19½	1	124	124	396	396	0.54	735	
Total.....	230	2.78	2	217	109	603	302	0.94	639	
Metal washer .....	230	1.50	1	6	6	9	9	0.03	345	
Metal wheelers .....	230	3.46	9	1,573	175	5,439	604	6.84	795	
	230	3.84	1	99	99	380	380	0.43	883	
Total.....	230	3.48	10	1,672	167	5,819	582	7.27	809	
Metal wheeler and puller-down.	230	2.15	1	33	33	71	71	0.14	495	
Metal wheelers and scrap stockers.	230	1.74	1	73	73	127	127	0.32	400	
	230	2.06½	1	15	15	31	31	0.07	475	
	230	2.38	1	168	168	400	400	0.73	548	
Total.....	230	2.18	3	256	85	553	186	1.12	501	
Mould capper .....	230	3.74	1	191	191	714	714	0.83	860	
Mould cappers and pushers...	230	3.46½	2	274	137	950	475	1.19	797	
Mould setters .....	230	5.31	4	742	186	3,941	985	3.23	1,222	
Mould swingers.....	230	5.13½	2	380	190	1,951	976	1.65	1,181	
	230	5.37	1	174	174	934	934	0.76	1,235	
	230	5.67	1	160	160	907	907	0.70	1,304	
Total.....	230	5.31	4	714	179	3,792	948	3.11	1,222	
Mould washers.....	230	1.55	5	670	134	1,036	207	2.91	356	
Pit cleaners .....	230	1.55	12	685	57	1,061	88	2.98	356	
Pitman and pushers' helper...	230	3.13	1	153	153	479	479	0.67	720	
Pullers-down.....	230	1.55	1	54	54	84	84	0.23	358	
	230	1.65	5	203	41	334	67	0.88	378	
Total.....	230	1.62½	6	257	43	418	70	1.11	374	
Pushers.....	230	3.11	2	360	180	1,120	560	1.57	716	
Pusher and test catcher.....	230	2.08	1	101	101	210	210	0.44	478	
	230	1.96½	1	89	89	175	175	0.39	452	
Regulators .....	230	1.55	2	293	147	455	228	1.27	357	
	230	1.64	2	261	131	428	214	1.13	377	
	230	1.70	2	171	86	290	145	0.74	390	
	230	1.90	1	101	101	192	192	0.44	437	
	230	3.08½	2	206	103	636	318	0.90	710	
	230	3.39½	1	220	220	747	747	0.96	781	
	230	4.09	1	198	198	810	810	0.86	941	
	230	2.45½	11	1,450	132	3,558	323	6.30	564	
Regulator and tester.....	230	1.68	1	223	223	375	375	0.97	387	
Regulator and water boy.....	230	.90	1	20	20	18	18	0.09	207	
Scrap stockers.....	230	1.55	3	90	30	139	46	0.39	355	
	230	3.06½	1	19	19	58	58	0.08	702	
Total.....	230	1.80½	4	109	27	197	49	0.47	416	
Scrap stockers and scrappers.	230	2.51	2	249	125	625	313	1.08	577	
	230	2.75½	1	184	184	507	507	0.80	624	
Total.....	230	2.61½	3	433	144	1,132	377	1.88	601	



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## J.—Steel Ingots: UNITED STATES—Concluded.

ESTABLISHMENT No. 7—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
				Total.	Aver- age.	Total.	Aver- age.		
Scrap wheelers .....	230	\$1.55	4	23	6	\$36	\$9	0.10	\$360
Scrappers .....	230	3.08	1	49	49	151	151	0.21	709
	230	3.56	1	177	177	630	630	0.77	819
	230	3.81½	1	125	125	477	477	0.54	878
Total .....	230	3.58½	3	351	117	1,258	419	1.52	824
Steel pourers .....	230	6.57½	2	370	185	2,432	1,216	1.61	1,512
Stopper carriers .....	230	5.05	2	369	185	1,863	932	1.60	1,161
Stopper setters .....	230	5.09	2	368	184	1,874	937	1.60	1,171
Stoppermaker .....	230	2.09½	1	288	288	604	604	1.25	482
Test catchers .....	230	1.55	4	511	128	797	199	2.22	359
Vessel repairers .....	230	1.65	3	587	196	970	323	2.55	380
Vesselmen .....	230	4.23	2	366	183	1,549	775	1.59	973
	230	5.91	1	79	79	467	467	0.34	1,360
	230	6.67	1	212	212	1,414	1,414	0.92	1,534
Total .....	230	5.22	4	657	164	3,430	858	2.85	1,201
Watchmen .....	292	1.55	2	364	182	564	282	1.25	452
Water boys .....	230	.60	6	761	127	466	78	3.31	141
Water tenders .....	230	2.25	2	413	207	929	465	1.80	517
Weighmasters .....	230	2.65	3	390	130	1,031	344	1.70	608
Weighmen .....	230	1.40	2	349	175	497	249	1.52	328
	230	2.00	4	781	195	1,558	390	3.40	459
Total .....	230	1.82	6	1,130	188	2,055	343	4.92	418
The establishment .....		3.02½	295	32,101	109	97,080	329	138.42	701

## K.—Steel Ingots: CONTINENT OF EUROPE.

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table V.]

Blacksmith .....	77	\$0.67½	1	69	69	\$46	\$46	0.90	\$51
Blacksmith's helper .....	77	.34	1	67	67	23	23	0.87	26
Blowers .....	77	.81½	2	131	66	107	54	1.70	63
	77	1.12	3	208	69	233	78	2.70	86
	77	1.23½	1	70	70	86	86	0.91	95
Total .....	77	1.04	6	409	68	426	71	5.31	80
Coke carriers .....	77	.62	2	119	60	74	37	1.55	48
Craneman .....	77	.44	1	70	70	31	31	0.91	34
Crucible men .....	77	.64½	2	130	65	84	42	1.69	50
	77	1.26	1	73	73	92	92	0.95	97
Total .....	77	.86½	3	203	68	176	50	2.64	67
Doormen .....	77	.67½	3	220	73	149	50	2.86	52
	77	.77	1	82	82	64	64	1.06	60
Total .....	77	.70½	4	302	76	213	53	3.92	54

a The earnings here shown are for nine and one-half months only. The statement for this establishment on page 155 is for one year.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## K.—Steel Ingots: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- ago.		
Elevator tenders .....	77	\$0.32	2	138	69	\$44	\$22	1.79	\$25
Fillers, top .....	77	.71½	4	232	58	166	42	3.01	55
Iron melters .....	77	.76½	7	465	66	369	53	6.04	61
Iron pourers .....	77	.68½	5	320	64	219	44	4.16	53
Iron stockers .....	77	.65½	2	119	60	78	39	1.55	50
Laborers .....	77	.24	1	33	33	8	8	0.43	19
	77	.48½	1	81	81	39	39	1.05	37
	77	.58	3	227	76	131	44	2.95	44
	77	.62½	3	225	75	140	47	2.92	48
	77	.91½	1	84	84	77	77	1.09	71
Total .....	77	.61	9	630	72	395	44	8.44	47
Ladlemen .....	77	.79½	5	316	63	252	50	4.10	61
Machinists .....	77	.62½	2	149	75	93	47	1.94	48
	77	.65½	1	73	73	48	48	0.95	51
	77	.72½	1	80	80	58	58	1.01	56
	77	.77	1	74	74	57	57	0.96	59
	77	.91½	1	70	70	64	64	0.91	70
Total .....	77	.71½	6	446	74	320	53	5.80	55
Masons .....	77	.78½	4	229	57	180	45	2.97	61
Masons' helpers .....	77	.21½	2	122	61	26	13	1.58	16
Mould setters .....	77	.63	4	238	60	150	38	3.09	49
Mould swingers .....	77	.92	2	135	68	124	62	1.75	71
Pit cleaners .....	77	.62½	3	153	51	96	32	1.99	48
Runners .....	77	.52	4	219	55	114	29	2.84	40
Steel pourers .....	77	.78½	2	136	68	107	54	1.77	61
	77	1.00	1	68	68	68	68	0.88	77
Total .....	77	.86	3	204	68	175	58	2.65	66
Tester .....	77	.87	1	43	43	37	37	0.56	66
Vesselmen .....	77	.80	4	262	66	210	53	3.40	62
Weighmen .....	77	.68½	3	210	70	144	48	2.73	53
The establishment .....		.71	88	5,740	65	4,088	46	74.55	55

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table V.]

Blacksmiths .....	27	\$0.87	1	20	20	\$17	\$17	0.74	\$23
	27	.96½	1	27	27	26	26	1.00	26
Total .....	27	.91½	2	47	24	43	22	1.74	25
Blacksmiths' helpers .....	27	.62½	2	43	22	27	14	1.59	17
Blowers .....	27	1.21½	2	43	22	53	27	1.59	33
Bottom builders .....	27	.62½	8	103	13	65	8	3.81	17
	27	.77	1	30	30	23	23	1.11	21
Total .....	27	.66	9	133	15	88	10	4.92	18
Carpenters .....	27	.80	1	5	5	4	4	0.19	22
	27	1.82½	1	23	23	42	42	0.85	49
Total .....	27	1.64½	2	28	14	46	23	1.04	44

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## K.—Steel Ingots: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Foremen.....	31	\$1.55 $\frac{1}{2}$	2	62	31	\$97	\$49	2.00	\$49
Grinders.....	27	.62 $\frac{1}{2}$	3	39	13	24	8	1.44	17
	27	.72 $\frac{1}{2}$	3	65	22	47	16	2.41	20
Total.....	27	.63 $\frac{1}{2}$	6	104	17	71	12	3.85	18
Heaters.....	27	.77	2	26	13	20	10	0.96	21
Ingot loaders.....	27	.79 $\frac{1}{2}$	11	203	19	165	15	7.70	21
Ingot loader and laborer.....	27	.66 $\frac{1}{2}$	1	3	3	2	2	0.11	18
Iron pourers.....	27	.88	2	51	26	45	23	1.89	24
Laborers.....	27	.62 $\frac{1}{2}$	21	215	10	135	6	7.96	17
	27	.66 $\frac{1}{2}$	10	186	19	124	12	6.89	18
	27	.67 $\frac{1}{2}$	5	113	23	76	15	4.19	18
	27	.72 $\frac{1}{2}$	3	81	27	53	19	3.00	19
	27	.96 $\frac{1}{2}$	1	23	23	22	22	0.85	26
Total.....	27	.67	40	618	15	415	10	22.89	18
Laborers, converter.....	27	.69 $\frac{1}{2}$	6	121	20	84	14	4.48	19
Ladle cleaners.....	27	.69 $\frac{1}{2}$	4	91	23	63	16	3.37	19
Ladle stoppers.....	27	.89 $\frac{1}{2}$	2	48	24	43	22	1.78	24
Ladlemen.....	27	.79	2	47	24	36	18	1.74	21
	27	1.00 $\frac{1}{2}$	2	48	24	46	23	1.78	26
Total.....	27	.86 $\frac{1}{2}$	4	95	24	82	21	3.52	23
Liners, converter.....	27	.50	2	4	2	2	1	0.15	14
	27	.62 $\frac{1}{2}$	27	370	14	235	9	13.70	17
	27	.72 $\frac{1}{2}$	1	20	20	14	14	0.74	19
	27	.84 $\frac{1}{2}$	3	78	26	66	22	2.89	23
Total.....	27	.67	33	472	14	317	10	17.48	18
Lining preparers.....	27	.62 $\frac{1}{2}$	2	59	30	37	19	2.19	17
Masons.....	27	.77	1	20	20	15	15	0.74	20
	27	.96 $\frac{1}{2}$	2	46	23	44	22	1.70	26
Total.....	27	.89 $\frac{1}{2}$	3	66	22	59	20	2.44	24
Masons' helpers.....	27	.39 $\frac{1}{2}$	4	81	20	32	8	3.00	11
Mould setters.....	27	.75 $\frac{1}{2}$	9	149	17	111	12	5.52	20
Mould setters and steel pourers	27	.83 $\frac{1}{2}$	2	48	24	40	20	1.78	23
Overseers.....	31	.96 $\frac{1}{2}$	2	65	33	63	32	2.10	30
Pit cleaner.....	27	.62 $\frac{1}{2}$	1	30	30	19	19	1.11	17
Regulators.....	27	.62 $\frac{1}{2}$	4	64	16	40	10	2.37	17
Slag wheelers.....	27	.82	9	174	19	143	16	6.44	22
Steel pourers.....	27	.91 $\frac{1}{2}$	5	98	20	89	18	3.63	25
Steel pourers' helpers.....	27	.78	6	107	18	84	14	3.96	21
Stopper setters.....	27	.20	4	90	22	26	7	3.33	8
	27	.34	2	39	20	13	7	1.44	9
Total.....	27	.30	6	129	22	39	7	4.77	8
Stoppermakers.....	27	.62 $\frac{1}{2}$	1	16	16	10	10	0.59	17
	27	.75	1	8	8	6	6	0.30	20
Total.....	27	.66 $\frac{1}{2}$	2	24	12	16	8	0.89	18
Weighman.....	27	.67 $\frac{1}{2}$	1	29	29	19	19	1.07	18
The establishment.....	.....	.74	186	3,316	18	2,452	13	122.18	20



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## K.—Steel Ingots: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table V.]

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmiths.....	78	\$0.62	2	150	75	\$93	\$17	1.92	\$48
Blacksmiths' helpers.....	78	.48	5	322	64	155	31	4.13	38
Blowers.....	78	.63½	2	112	56	71	36	1.44	49
Casting carriers.....	78	.47½	3	166	55	79	26	2.13	37
Chargers.....	78	.68	9	519	58	352	39	6.65	53
Chippers.....	78	.43½	2	94	47	41	21	1.21	34
Cindormen.....	78	.59½	17	819	48	489	20	10.50	47
	78	.73	3	185	62	135	45	2.37	57
Total.....	78	.62	20	1,004	50	624	31	12.87	48
Cinderman and ladle cleaner..	78	.64	1	69	69	44	44	0.88	50
Coke stockers.....	78	.57½	9	568	63	328	36	7.28	45
Craneman.....	78	.88	1	67	67	59	59	0.86	69
Elevator tenders.....	78	.40	4	213	53	85	21	2.73	31
Engineers, blowing.....	78	.79½	2	186	93	148	74	2.38	62
	78	1.29½	1	90	90	116	116	1.15	101
Total.....	78	.95½	3	276	92	264	88	3.53	75
Foremen, laborers.....	78	.73	3	130	43	95	32	1.67	57
Greasers.....	78	.52½	6	417	70	218	36	5.35	41
	78	.81½	1	16	16	13	13	0.21	63
Total.....	78	.53½	7	433	62	231	33	5.56	42
Hydraulic men.....	78	.51	4	271	68	138	35	3.47	40
Ingot carriers.....	78	.72	3	189	63	136	45	2.42	56
Ingot carriers' helpers.....	78	.50	2	36	18	18	9	0.46	39
Iron breakers.....	78	.47½	6	247	41	117	20	3.17	37
Iron stockers.....	78	.57½	25	1,372	55	788	32	17.59	45
	78	.72	2	90	45	65	33	1.15	56
Total.....	78	.58½	27	1,462	54	853	32	18.74	46
Keepers.....	78	.74	5	346	69	256	51	4.44	58
	78	.94	5	388	78	364	73	4.97	73
Total.....	78	.84½	10	734	73	620	62	9.41	66
Keepers' apprentice.....	78	.29	1	14	14	4	4	0.18	22
Keepers' helper.....	78	.48	1	29	29	14	14	0.37	38
Laborers.....	78	.45½	29	1,140	39	521	18	14.62	36
	78	.57½	9	537	60	309	34	6.88	45
	78	1.12½	1	16	16	18	18	0.21	88
Total.....	78	.50	39	1,693	43	848	22	21.71	39
Ladle cleaners.....	78	.65	4	247	62	161	40	3.17	51
Ladlemen.....	78	.33½	6	320	53	107	18	4.10	26
	78	.64	3	215	72	138	46	2.76	50
	78	.88½	4	319	80	282	71	4.09	69
Total.....	78	.61½	13	854	66	527	41	10.95	48
Machinist.....	78	.50	1	81	81	40	40	1.04	39
Machinist's apprentices.....	78	.31½	2	150	75	47	24	1.92	24



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**K.—Steel Ingots: CONTINENT OF EUROPE—Concluded.**

ESTABLISHMENT No. —.—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ-és.	Days of work done.		Earnings.		Necessary employ-és.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Melters.....	78	\$0.63½	8	390	49	\$248	\$31	5.00	\$50
	78	.78½	12	830	69	652	54	10.64	61
	78	1.12	1	83	83	93	93	1.06	87
	78	1.68	1	83	83	139	139	1.06	131
<b>Total</b> .....	78	.81½	22	1,386	63	1,132	51	17.76	64
Overseers.....	78	1.45½	2	171	86	249	125	2.19	114
Pitmen.....	78	.63	30	1,692	56	1,070	36	21.69	49
	78	.79	1	72	72	56	56	0.92	61
	78	.99½	2	158	79	157	79	2.03	78
<b>Total</b> .....	78	.67	33	1,922	58	1,283	39	24.64	52
Runners.....	78	1.05	3	231	77	243	81	2.96	82
	78	1.24	1	64	64	80	80	0.82	93
<b>Total</b> .....	78	1.09½	4	295	74	323	81	3.78	85
Runners' helpers.....	78	.90	3	190	63	171	57	2.44	70
Steel pourers.....	78	.41	2	148	74	61	31	1.90	32
	78	.56½	2	119	60	67	34	1.53	44
<b>Total</b> .....	78	.48	4	267	67	128	32	3.43	37
Superintendents.....	78	2.11	1	89	89	188	188	1.14	165
	78	2.65	1	90	90	239	239	1.15	207
<b>Total</b> .....	78	2.38½	2	179	90	427	214	2.29	186
Weighmen.....	78	.57½	2	143	72	82	41	1.83	45
The establishment.....		.67	256	14,683	57	9,839	38	188.23	52

**L.—Steel Billets: UNITED STATES.**

ESTABLISHMENT No. —.

[No statement of cost of production for steel billets is shown in Part I.]

Blacksmiths' helpers.....	202	\$1.50	2	187	94	\$283	\$142	0.93	\$306
Boilermakers' helpers.....	202	1.62	1	173	173	281	281	0.86	328
	202	1.75	1	199	199	338	338	0.99	343
<b>Total</b> .....	202	1.66½	2	372	186	619	310	1.85	336
Carboneers.....	202	2.28	2	259	130	590	295	1.28	460
Carpenters.....	202	1.25	1	28	28	35	35	0.14	253
	202	1.50	1	14	14	21	21	0.07	303
	202	2.20	1	187	187	412	412	0.93	445
	202	2.45	1	191	191	467	467	0.95	494
<b>Total</b> .....	202	2.22½	4	420	105	935	234	2.09	450
Chargers.....	202	1.75	4	12	3	21	5	0.06	354
	202	1.83	10	35	4	64	6	0.17	369
	202	2.00	17	229	13	458	27	1.13	404
	202	2.20½	18	889	49	1,962	109	4.40	446
	202	2.57	2	119	60	306	153	0.59	519
<b>Total</b> .....	202	2.19	51	1,264	25	2,811	55	6.35	442

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## L.—Steel Billets: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Different employ- ees.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
				Total.	Aver- age.	Total.	Aver- age.		
Charger and chipper.....	202	\$1.78	1	13	13	\$23	\$23	0.06	\$357
Charger and furnace helper...	202	2.50	1	2	2	5	5	0.01	505
Charger and guide.....	202	2.00	1	4	4	8	8	0.02	404
Chargers and heaters' helpers..	202	2.13½	4	304	91	778	195	1.80	432
Charger and hooker .....	202	2.70½	1	126	126	341	341	0.62	547
Charger and laborer.....	202	1.56½	1	32	32	50	50	0.16	316
Chargers and sweepers .....	202	1.66½	2	6	3	10	5	0.03	337
Chargers and tongsmen.....	202	2.10½	2	47	24	99	50	0.23	425
Charger and transmitter .....	202	2.11	1	120	120	253	253	0.59	426
Chippers .....	202	1.25	1	12	12	16	16	0.06	269
	202	1.60	2	37	19	59	30	0.18	322
	202	2.00	3	292	97	584	195	1.45	404
	202	2.50	1	4	4	10	10	0.02	505
Total .....	203	1.94	7	345	49	669	96	1.71	392
Chipper and masons' helper ..	202	1.85	1	158	158	292	292	0.78	373
Cleaner, office .....	202	1.00	1	30	30	30	30	0.15	202
Conductors .....	202	1.50	9	600	67	901	100	2.97	303
Conductor and fireman.....	202	1.73½	1	15	15	26	26	0.07	350
Conductor and oiler .....	202	1.39½	1	33	33	46	46	0.16	282
Conductor and transmitter ...	202	1.57½	1	146	146	230	230	0.72	318
Cradlemen.....	202	1.92	1	124	124	238	238	0.61	388
	202	2.50	1	4	4	10	10	0.02	505
Total .....	202	1.93½	2	128	64	248	124	0.63	391
Cradlemen and tablemen .....	202	1.49½	1	71	71	106	106	0.35	302
	202	1.78	1	131	131	233	233	0.65	359
Total .....	202	1.68	2	202	101	339	170	1.00	339
Cradleman and transmitter...	202	2.00	1	118	118	236	236	0.58	404
Crane boy.....	202	1.00	1	2	2	2	2	0.01	202
Cranemen .....	202	1.74½	3	327	109	570	190	1.62	352
Cutters .....	202	2.50	1	2	2	5	5	0.01	505
	202	2.75	1	131	131	360	360	0.65	555
	202	2.94	1	118	118	347	347	0.58	594
	202	3.16½	3	361	120	1,142	381	1.79	639
	202	3.63½	1	115	115	418	418	0.57	734
Total .....	202	3.12½	7	727	104	2,272	325	3.60	631
Door boys .....	202	.75	23	1,342	58	1,015	44	6.64	153
	202	.88	1	108	108	95	95	0.53	178
Total .....	202	.76½	24	1,450	60	1,110	46	7.17	155
Door boy and table boy .....	202	.90	1	111	111	100	100	0.55	182
Door boy and transmitter .....	202	1.26½	1	120	120	152	152	0.59	256
Dropmen .....	202	1.35	1	8	8	11	11	0.04	278
	202	1.60	1	13	13	21	21	0.06	326
Total .....	202	1.52½	2	21	11	32	16	0.10	308
Engineers'.....	202	1.70	1	37	37	62	62	0.18	338
	202	1.75	3	74	25	129	43	0.37	352
	202	1.80	1	27	27	48	48	0.13	359
	202	1.96½	2	145	73	285	143	0.72	397
	202	2.00	1	6	6	12	12	0.03	404
Total .....	202	1.85½	8	289	36	536	67	1.43	375

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## L.—Steel Billets: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Continued.

[No statement of cost of production for steel billets is shown in Part I.]

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Engineers, locomotive .....	202	\$2.15	16	1,841	115	\$3,035	\$246	9.11	\$432
Firemen .....	202	1.50	2	4	2	6	3	0.02	303
	202	2.00	2	54	27	108	54	0.27	404
	202	2.10	5	875	175	1,806	361	4.33	417
Total .....	202	2.06	9	933	104	1,920	213	4.62	416
Foreman, chippers .....	202	3.89	1	187	187	727	727	0.93	785
Foreman, laborers .....	202	3.81	1	182	182	693	693	0.90	769
Foremen, mill .....	202	5.10	1	196	196	998	998	0.97	1,029
	202	5.35½	1	196	196	1,050	1,050	0.97	1,082
Total .....	202	5.23½	2	392	196	2,048	1,024	1.94	1,055
Forgers .....	202	2.00	2	3	2	6	3	0.01	404
Furnace helpers .....	202	2.25	2	4	2	9	5	0.02	455
Guides .....	202	1.62	4	21	5	34	9	0.10	327
	202	1.82	3	28	9	51	17	0.14	368
	202	1.95½	2	47	24	92	46	0.23	395
Total .....	202	1.84½	9	96	11	177	20	0.47	372
Guides and tongsmen .....	202	2.03	2	33	17	67	34	0.16	410
Guide and transmitter .....	202	2.04½	1	115	115	235	235	0.57	413
Hammer drivers .....	202	2.63½	4	253	63	667	167	1.25	533
Heaters .....	202	2.74	3	261	87	715	238	1.29	553
	202	2.98	16	1,270	127	3,784	378	6.20	602
Total .....	202	2.04	13	1,531	118	4,499	346	7.58	594
Heaters' helpers .....	202	2.01½	14	1,372	98	2,764	197	6.79	407
	202	2.15½	6	551	92	1,188	198	2.73	436
Total .....	202	2.05½	20	1,923	96	3,952	198	9.52	415
Heaters' helper and hooker .....	202	2.47½	1	99	99	245	245	0.49	500
Heaters' helper and lighter-up .....	202	1.87½	1	57	57	107	107	0.28	379
Heaters' helper and tongman .....	202	2.28	1	85	85	194	194	0.42	461
Heaters' helpers and trans- mitters .....	202	2.00	1	2	2	4	4	0.01	404
	202	2.17½	1	120	120	261	261	0.59	439
Total .....	202	2.17	2	122	61	265	133	0.60	439
Hookers .....	202	2.31	3	130	43	300	100	0.64	466
	202	2.42	4	254	64	615	154	1.26	489
	202	3.05	4	357	80	1,088	272	1.77	616
Total .....	202	2.70½	11	741	67	2,003	182	3.67	546
Hookers, tumble .....	202	3.46½	5	430	86	1,491	298	2.18	700
Hooker and screwman .....	202	2.27½	1	69	69	157	157	0.34	460
Hookers and tongsmen .....	202	2.36	1	108	108	255	255	0.53	477
	202	2.69½	1	92	92	248	248	0.46	545
Total .....	202	2.51½	2	200	100	503	252	0.99	508
Inspectors .....	202	2.10	1	11	11	23	23	0.05	422
	202	2.70	1	7	7	19	19	0.03	548
Total .....	202	2.33½	2	18	9	42	21	0.08	471



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## L.—Steel Billets: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Inspector and stamper.....	202	\$1.96½	1	54	54	\$106	\$106	0.27	\$397	
Inspector and weighman ....	202	1.93½	1	142	142	275	275	0.70	391	
Janitor .....	235	.49	1	244	244	120½	120	1.04	116	
Laborers .....	202	1.25	44	2,742	62	3,444	78	13.57	254	
Levermen .....	202	2.21	3	323	108	714	238	1.60	447	
	202	2.51½	2	140	70	352	176	0.69	508	
Total .....	202	2.30	5	463	93	1,066	213	2.29	465	
Lighter-up.....	202	1.00	1	92	92	92	92	0.46	202	
Machinists.....	202	2.00	1	200	200	400	400	0.99	404	
	202	2.25	1	205	205	461	461	1.01	454	
	202	2.50	1	224	224	559	559	1.11	504	
Total .....	202	2.26	3	629	210	1,420	473	3.11	456	
Mail boys.....	202	.43	2	217	109	93	47	1.07	87	
Masons.....	202	3.25	3	228	76	739	246	1.13	655	
	202	4.00	1	190	190	759	759	0.94	807	
Total .....	202	3.58½	4	418	105	1,498	375	2.07	724	
Masons' helpers .....	202	1.50	10	328	33	492	49	1.62	303	
Oilers.....	202	1.35	1	158	158	213	213	0.78	272	
	202	1.50	1	172	172	257	257	0.85	302	
Total .....	202	1.42½	2	330	165	470	235	1.63	288	
Painter .....	202	2.33½	1	3	3	7	7	0.01	471	
Pipe fitters .....	202	1.50	2	307	154	461	231	1.52	303	
	202	2.37½	1	213	213	506	506	1.05	480	
Total .....	202	1.86	3	520	173	967	322	2.57	376	
Riggers.....	202	1.50	2	193	97	290	145	0.96	304	
Screwmen .....	202	2.45	5	1,110	222	2,746	549	5.50	500	
Stampers .....	202	2.39	3	356	119	850	283	1.76	482	
Storekeeper .....	202	1.80	1	105	105	190	190	0.52	366	
Storekeeper's helper .....	202	1.40	1	73	73	102	102	0.36	282	
Sweepers .....	202	1.46½	6	134	22	196	33	0.66	295	
Table boys .....	202	1.25	1	38	38	47	47	0.19	250	
	202	1.42	3	176	59	250	83	0.87	287	
Total .....	202	1.39	4	214	54	297	74	1.06	280	
Tablemen .....	202	1.95	3	146	49	285	95	0.72	394	
Tableman and transmitter....	202	1.83	1	88	88	161	161	0.44	370	
Tongsmen .....	202	2.32½	6	381	64	885	148	1.89	469	
	202	2.51½	2	31	16	78	39	0.15	508	
Total .....	202	2.33½	8	412	52	963	120	2.04	472	
Tongsmen and transmitters ..	202	2.25½	2	160	80	361	181	0.79	456	
Transferman .....	202	1.65	1	23	23	37	37	0.11	325	
Transmitters, car.....	202	1.75	1	23	23	39	39	0.11	343	
	202	2.13	4	129	32	275	69	0.64	431	
	202	2.22½	3	339	113	755	252	1.68	450	
	202	2.42½	1	31	31	75	75	0.15	489	
Total .....	202	2.19	9	522	58	1,144	127	2.58	443	



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## L.—Steel Billets: UNITED STATES—Concluded.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conso- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Transmitters, hook.....	202	\$2.38½	4	221	55	\$527	\$132	1.09	\$482
	202	2.57½	1	110	110	284	284	0.54	522
	202	3.50	1	4	4	14	14	0.02	707
Total .....	202	2.46½	6	335	56	825	138	1.65	497
Transmitters, hydraulic.....	202	1.93	2	148	74	286	143	0.73	390
Watchmen .....	235	1.46	4	846	212	1,235	309	3.60	343
	235	2.95	1	206	206	608	608	0.88	694
Total .....	235	1.75	5	1,052	210	1,843	369	4.48	412
Water carrier .....	202	1.35	1	130	130	177	177	0.64	275
Water tenders.....	202	1.50	2	225	113	338	169	1.11	303
Weighmaster.....	202	2.30	1	201	201	456	456	1.00	458
Weighmen .....	202	1.80	2	83	42	149	75	0.41	363
The establishment .....	.....	2.06	399	29,264	73	60,284	151	143.87	419

## M.—Steel Blooms: UNITED STATES.

ESTABLISHMENT No.—.

[No statement of cost of production for steel blooms is shown in Part I.]

Ashmen .....	132	\$1.50	1	14	14	\$21	\$21	0.11	\$198
	132	1.60	3	156	52	255	85	1.18	216
	132	1.75	3	268	89	456	152	2.03	225
Total .....	132	1.67	7	438	63	732	105	3.32	231
Brakemen .....	132	1.60	3	210	70	341	114	1.59	214
	132	1.85	1	119	119	220	220	0.90	244
Total .....	132	1.70½	4	329	82	561	140	2.49	225
Brakeman, locomotive.....	132	1.65	1	123	123	202	202	0.93	217
Carpenters .....	144	2.00	2	22	11	45	23	0.15	295
	144	2.15	1	78	78	167	167	0.54	308
Total .....	144	2.12	3	100	33	212	71	0.69	305
Chargers and drawers.....	132	2.62½	5	139	28	365	73	1.05	347
	132	2.77½	6	634	106	1,759	293	4.80	366
	132	3.00	1	17	17	51	51	0.13	396
	132	3.25	1	4	4	13	13	0.03	420
Total .....	132	2.75½	13	794	61	2,188	168	6.01	364
Charger and scrap wheeler...	132	2.56½	1	23	23	59	59	0.17	339
Cinder wheeler .....	132	1.60	1	120	120	191	191	0.91	210
Coal dumper.....	144	1.50	1	166	166	254	254	1.15	220
Crane boys .....	132	1.00	1	1	1	1	1	0.01	132
	132	1.83½	1	96	96	176	176	0.73	242
	132	2.00	2	113	57	226	113	0.86	264
Total .....	132	1.92	4	210	53	403	101	1.60	253
Crane boy and door boy .....	132	1.13½	1	75	75	85	85	0.57	150
Door boys .....	132	.85	7	385	55	329	47	2.92	113

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## M.—Steel Blooms: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total	Aver- age.	Total.	Aver- age.		
Door boy and laborer .....	144	\$1.00	1	7	7	\$7	\$7	0.05	\$144
Drawer and heaters' helper...	132	3.00	1	93	93	279	279	0.70	896
Engineer .....	132	3.20	1	128	128	410	410	0.97	423
Engineers, locomotive.....	132	1.60	1	93	93	152	152	0.70	216
	132	1.85	2	262	131	484	242	1.98	244
Total .....	132	1.79	3	355	118	636	212	2.68	236
Fireman .....	132	1.85	1	114	114	210	210	0.86	243
Foreman, laborers .....	144	1.85	1	146	146	269	269	1.01	265
Foreman, scull breakers .....	144	2.25	1	143	143	322	322	0.99	324
Greasers.....	132	1.80	2	303	152	552	276	2.30	240
Heaters.....	132	4.12½	1	8	8	33	33	0.06	545
	132	5.23½	4	434	109	2,272	568	3.29	691
Total .....	132	5.21½	5	442	88	2,305	401	3.35	688
Heaters' helpers.....	132	3.14	2	101	51	317	159	0.77	414
	132	3.37	3	308	103	1,038	346	2.33	445
Total .....	132	3.31½	5	409	82	1,355	271	3.10	437
Laborers.....	144	1.40	30	1,240	41	1,747	58	8.61	203
	144	1.50	7	686	95	996	142	4.63	215
	144	1.55	1	139	139	214	214	0.97	222
	144	1.60	12	751	63	1,200	100	5.22	230
	144	1.65	5	582	116	960	192	4.04	238
	144	1.70	2	212	106	356	178	1.47	242
	144	1.75	3	233	78	409	136	1.62	253
Total .....	144	1.54	60	3,823	64	5,882	98	26.56	222
Laborers, railroad .....	144	1.40	7	597	85	835	119	4.15	201
Laborer and scrap wheeler...	144	1.68½	1	51	51	86	86	0.35	243
Machinists .....	144	1.82½	1	161	161	294	294	1.12	263
	144	2.10	1	201	201	422	422	1.40	302
	144	2.50	1	2	2	5	5	0.01	360
	144	2.75	1	179	179	493	493	1.24	397
	144	3.20	1	116	116	370	370	0.81	459
Total .....	144	2.40½	5	650	132	1,584	317	4.58	346
Machinists' helpers.....	144	1.75	1	119	119	207	207	0.83	250
	144	1.90	1	168	168	320	320	1.17	274
Total .....	144	1.83½	2	287	144	527	264	2.00	264
Mixers and mixers' helpers...	132	1.59½	1	133	133	212	212	1.01	210
	132	1.84½	1	130	130	240	240	0.98	244
	132	1.90½	3	407	136	776	259	3.08	252
Total .....	132	1.83½	5	670	134	1,228	246	5.07	242
Plumber.....	144	2.00	1	147	147	294	294	1.02	288
Plumber's helper .....	144	1.50	1	167	167	252	252	1.16	217
Roll hands.....	132	2.94	6	536	89	1,575	263	4.06	388
Roll hand and roller .....	132	3.97½	1	127	127	505	505	0.96	525
Rollers .....	132	5.18	2	200	100	1,036	518	1.52	684
Scrap wheelers .....	132	1.50	1	4	4	6	6	0.03	198
	132	2.20	2	109	55	240	120	0.83	291
	132	2.50	1	2	2	5	5	0.02	330
	132	3.00	1	2	2	6	6	0.02	396
Total .....	132	2.19½	5	117	23	257	51	0.90	290

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## M.—Steel Blooms: UNITED STATES—Continued.

ESTABLISHMENT No.—. —Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- ees.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Scrap wheelers and shearmen's helpers.	132 132	\$2.39½ 2.57	1 1	104 7	104 7	\$249 18	\$249 18	0.79 0.05	\$316 339	
Total .....	132	2.40½	2	111	56	267	134	0.84	318	
Scull breakers.....	144	1.50	5	551	110	828	166	3.83	216	
Shearmen.....	132	3.89½	2	217	109	845	423	1.64	514	
Shearmen's helpers.....	132 132	2.62½ 2.71	8 3	610 223	76 74	1,600 604	200 201	4.62 1.69	346 353	
Total .....	132	2.64½	11	833	76	2,204	200	6.31	349	
Steel loaders.....	132	1.90	11	747	68	1,417	129	5.66	250	
Stoppermaker .....	132	2.09	1	123	123	257	257	0.93	276	
Water tenders .....	132	2.40	3	328	109	786	262	2.48	316	
The establishment .....	.....	2.12	195	15,194	78	32,226	165	110.79	291	

ESTABLISHMENT No.—.

[No statement of cost of production for steel blooms is shown in Part I.]

Ashman .....	230	\$1.60	1	10	10	\$16	\$16	0.04	\$368
Ashmen (with teams) .....	251	2.11	2	429	215	905	453	1.71	529
Blacksmiths .....	230	2.30½	1	215	215	496	496	0.93	581
	230	2.50	2	9	5	23	12	0.04	588
	230	2.90	1	209	209	608	608	0.91	669
	230	3.15	1	221	221	696	696	0.90	724
Total .....	230	2.78½	5	654	131	1,823	365	2.84	641
Blacksmiths' helpers .....	230	1.85	4	574	144	1,062	266	2.50	426
Brakemen .....	230	1.55	7	421	60	652	93	1.83	366
	230	1.60	3	352	117	563	188	1.53	303
Total .....	230	1.57	10	773	77	1,215	122	3.36	363
Bricklayer .....	251	2.50	1	152	152	382	382	0.61	631
Bricklayers and laborers .....	251	1.58½	1	210	210	333	333	0.84	393
	251	2.66½	1	33	33	88	88	0.13	669
Total .....	251	1.73½	2	243	122	421	211	0.97	435
Carpenters .....	251	2.40	11	921	84	2,210	201	3.67	602
Chargers .....	230	3.41	1	197	197	672	672	0.86	785
	230	3.80	5	753	151	2,862	572	3.27	874
	230	4.02	2	199	100	800	400	0.87	925
Total .....	230	3.77	8	1,149	144	4,334	542	5.00	868
Charger and doorman .....	230	3.60	1	10	10	36	36	0.04	828
Charger and loader .....	230	2.18½	1	124	124	271	271	0.54	503
Chargers' helpers .....	230	1.00	1	11	11	11	11	0.05	230
	230	1.50	2	145	73	213	107	0.63	338
Total .....	230	1.43½	3	156	52	224	75	0.62	330



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## M.—Steel Blooms: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conso- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Doorman and hooker-up .....	230	\$2.92	1	110	110	\$321	\$321	0.48	\$671
Doormen and laborers .....	251	1.76½	4	116	29	205	51	0.46	444
	251	1.90	1	60	60	114	114	0.24	477
Total .....	251	1.81½	5	176	35	319	64	0.70	455
Doorman and telegraphman ..	230	3.45	1	80	80	276	276	0.35	794
Drawers .....	230	3.63	4	730	183	2,649	662	3.17	835
	230	4.00	3	539	180	2,165	718	2.34	920
Total .....	230	3.78½	7	1,269	181	4,804	686	5.51	871
Engineers .....	230	1.65	1	23	23	38	38	0.10	380
	230	1.85	1	13	13	24	24	0.06	425
	230	3.00	5	879	176	2,624	525	3.82	687
Total .....	230	2.93½	7	915	131	2,686	384	3.98	675
Engineer, drop .....	230	1.60	1	186	186	297	297	0.81	367
Engineers, locomotive .....	230	1.90	3	412	137	779	260	1.79	435
	230	2.25	1	202	202	468	468	0.88	533
	230	2.39	1	171	171	409	409	0.74	550
Total .....	230	2.11	5	785	157	1,656	331	3.41	485
Engineer and machinist .....	230	2.89	1	288	288	833	833	1.25	665
Firemen .....	230	1.65	1	91	91	149	149	0.40	377
	230	1.86	26	1,203	46	2,225	86	5.23	425
Total .....	230	1.83½	27	1,294	48	2,374	88	5.63	422
Fireman and firemen's helper.	230	1.64	1	117	117	192	192	0.51	377
Fireman and laborers .....	230	1.72	11	677	62	1,163	106	2.94	395
Firemen's helpers .....	230	1.55	4	154	39	238	60	0.67	355
Foreman, drop .....	230	1.80	2	191	96	340	170	0.83	409
Foreman, drop, assistant .....	230	1.60	1	180	180	284	284	0.78	363
Foreman, laborers .....	251	2.65	1	308	308	815	815	1.23	664
Foreman, laborers, assistant ..	251	1.55	1	146	146	228	228	0.58	392
Foreman, track .....	251	1.55	1	96	96	147	147	0.38	384
Gasman .....	230	2.00	1	14	14	28	28	0.06	460
Gasman's helper .....	230	1.65	1	13	13	21	21	0.06	372
Heaters .....	230	7.21½	1	198	198	1,429	1,429	0.86	1,660
	230	7.66	1	169	169	1,295	1,295	0.73	1,762
Total .....	230	7.42	2	367	184	2,724	1,362	1.59	1,707
Heaters' helpers .....	230	4.34½	2	476	238	2,068	1,034	2.07	999
	230	4.60½	1	183	183	843	843	0.80	1,060
	230	4.86½	1	217	217	1,056	1,056	0.94	1,119
Total .....	230	4.53	4	876	219	3,967	992	3.81	1,042
Hookers-up .....	230	3.70	1	63	63	233	233	0.27	851
	230	4.01½	4	795	199	3,190	798	3.46	923
	230	4.35½	7	885	126	3,853	550	3.85	1,001
	230	4.49	1	187	187	840	840	0.81	1,033
	230	5.33½	1	3	3	16	16	0.01	1,227
Total .....	230	4.20½	14	1,933	138	8,132	581	8.40	963



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## M.—Steel Blooms: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
				Total.	Average.	Total.	Average.		
Laborers.....	251	\$1.40	77	5,141	67	\$7,229	\$94	20.48	\$353
	251	1.50	13	1,113	86	1,649	127	4.43	372
	251	1.55	14	267	19	414	30	1.06	389
	251	1.60	7	551	79	874	125	2.20	398
Total .....	251	1.43½	111	7,072	64	10,166	92	28.17	361
Laborers, boiler.....	230	1.45	3	80	27	116	39	0.35	334
	230	1.55	86	2,553	30	3,977	46	11.10	358
	230	1.66½	1	21	21	35	35	0.09	363
Total .....	230	1.55½	90	2,654	29	4,128	46	11.54	358
Laborers and metal breakers ..	251	1.58	3	211	70	333	111	0.84	396
Laborer and pressman .....	251	1.58½	1	120	120	190	190	0.48	397
Laborer and water tender .....	251	1.83½	1	48	48	88	88	0.19	460
Loaders.....	230	1.65	6	378	63	629	105	1.64	383
	230	1.86	1	67	67	125	125	0.29	429
	230	2.00	1	178	178	356	356	0.77	460
Total .....	230	1.78	8	623	78	1,110	139	2.70	410
Machinists .....	251	1.50	2	142	71	213	107	0.57	377
	251	1.75	1	255	255	439	439	1.02	432
	251	1.85	1	92	92	169	169	0.37	461
	251	2.15	3	406	135	870	290	1.62	538
	251	2.30	1	308	308	709	709	1.23	578
	251	2.33½	1	6	6	14	14	0.02	586
	251	2.40	1	165	165	396	396	0.66	602
	251	3.00	1	235	235	705	705	0.94	753
	251	3.45½	1	11	11	38	38	0.04	867
Total .....	251	2.19½	12	1,620	135	3,553	296	6.47	550
Machinists' apprentice .....	251	1.00	1	75	75	75	75	0.30	251
Machinists' helpers.....	251	1.00	1	12	12	12	12	0.05	251
	251	1.40	1	9	9	13	13	0.04	363
	251	1.50	1	10	10	15	15	0.04	377
	251	1.80	1	14	14	25	25	0.06	448
Total .....	251	1.44½	4	45	11	65	16	0.19	363
Master machinists.....	251	3.15	1	257	257	809	809	1.02	790
	251	3.84½	1	84	84	323	323	0.33	965
Total .....	251	3.32	2	341	171	1,132	566	1.35	833
Metal breakers .....	230	1.90	15	1,785	119	3,327	222	7.76	429
Metal worker.....	251	3.00	1	170	170	511	511	0.68	754
Metal worker and metal work- er's helper.....	251	2.91	1	121	121	352	352	0.48	730
Metal worker's helpers .....	251	2.75	2	393	197	1,081	541	1.57	690
Oilers.....	230	1.65	8	765	96	1,247	156	3.33	375
Pressmen.....	251	1.65	1	25	25	41	41	0.10	412
	251	1.90	1	10	10	19	19	0.04	477
	251	3.15	1	351	351	1,107	1,107	1.40	792
Total .....	251	3.02½	3	386	129	1,167	389	1.54	759
Pressmen's helpers.....	251	1.40	2	163	82	233	117	0.65	359
	251	1.61½	3	135	45	218	73	0.54	405
Total .....	251	1.51½	5	298	60	451	90	1.19	380

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## M.—Steel Blooms: UNITED STATES—Concluded.

ESTABLISHMENT No. — —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Pump reversers.....	230	\$1.60	2	474	237	\$777	\$389	2.06	\$377
Repairer, cupola.....	230	2.50	1	204	204	510	510	0.89	575
Rollers.....	230	7.16½	1	217	217	1,555	1,555	0.94	1,648
	230	7.67	1	202	202	1,549	1,549	0.88	1,764
Total.....	230	7.41	2	419	210	3,104	1,552	1.82	1,704
Shearmen.....	230	5.39	1	195	195	1,051	1,051	0.85	1,240
	230	5.72½	1	189	189	1,082	1,082	0.82	1,317
Total.....	230	5.55½	2	384	192	2,133	1,067	1.67	1,278
Shearmen's helpers.....	230	3.48	2	221	111	769	385	0.96	800
	230	3.62	4	761	190	2,754	689	3.31	832
	230	3.88	2	352	176	1,365	683	1.53	892
	230	4.36½	2	193	97	842	421	0.84	1,003
Total.....	230	3.75	10	1,527	153	5,730	573	6.64	863
Telegraphmen.....	230	3.65½	2	178	89	651	326	0.77	841
Watchmen.....	292	1.55	2	292	146	453	227	1.00	453
	292	1.65	1	242	242	391	391	0.83	472
Total.....	292	1.58	3	534	178	844	281	1.83	462
Water boys.....	230	.60	3	20	7	12	4	0.09	138
Water tenders.....	230	2.14½	1	131	131	281	281	0.57	493
	230	2.25	3	367	122	821	274	1.60	515
Total.....	230	2.21½	4	498	125	1,102	276	2.17	509
Weighmen.....	230	1.50	1	4	4	6	6	0.02	345
	230	1.70	2	400	200	683	342	1.74	393
	230	1.85	3	41	14	76	25	0.18	426
Total.....	230	1.72	6	445	74	765	128	1.94	395
Yardman.....	251	2.25	1	263	263	596	596	1.05	569
The establishment.....	.....	2.43	452	37,043	82	89,941	199	155.63	578

## N.—Steel Rails: CONTINENT OF EUROPE.

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table VI.]

Bar handlers.....	77	\$0.68½	4	215	54	\$147	\$37	2.79	\$53
Catcher.....	77	.41½	1	72	72	30	30	0.94	32
Chargers.....	77	.72½	2	123	62	89	45	1.60	56
Engineers, hammer.....	77	1.85½	3	196	65	364	121	2.55	143
Foremen, rollers.....	77	1.81½	3	230	77	417	139	2.99	140
Hammermen.....	77	.97	2	129	65	125	63	1.68	75
	77	1.22	1	68	68	83	83	0.88	94
Total.....	77	1.05½	3	197	66	208	69	2.56	81
Heaters.....	77	.93	3	207	69	192	64	2.69	71
	77	1.26½	3	194	65	245	82	2.52	97
Total.....	77	1.09	6	401	67	437	73	5.21	84

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## N.—Steel Rails: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Heaters' helpers.....	77	\$0.74½	4	244	61	\$182	\$46	3.17	\$57	
Hookers-up .....	77	.86	5	334	67	287	57	4.34	66	
Hot-bed hands.....	77	.84	2	124	62	104	52	1.61	65	
Machinists .....	77	.67	5	307	61	206	41	3.99	52	
Rollers .....	77	.93	3	201	67	187	62	2.61	72	
	77	1.32½	2	141	71	187	94	1.83	102	
	77	1.58½	1	60	60	95	95	0.78	122	
	77	1.85	1	73	73	135	135	0.95	142	
Total .....	77	1.27	7	475	68	604	86	6.17	98	
Rollers, chief .....	77	1.52	1	69	69	105	105	0.90	117	
	77	2.67	2	137	69	366	183	1.78	206	
Total .....	77	2.28½	3	206	69	471	157	2.68	176	
Rollers' helpers .....	77	.74	3	190	63	141	47	2.47	57	
Sawyer .....	77	.85	1	67	67	57	57	0.87	66	
Shearman.....	77	.66½	1	55	55	37	37	0.71	52	
Weighmen.....	77	.76	2	151	76	115	58	1.96	59	
The establishment.....	.....	1.03½	55	3,587	65	3,896	71	46.61	84	

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table VI.]

Blacksmiths.....	78	\$0.83 $\frac{1}{2}$	2	134	67	\$112	\$56	1.72	\$65
Blacksmiths' helpers .....	78	.47	4	231	58	108	27	2.96	36
Borers .....	78	.49 $\frac{1}{2}$	8	545	68	270	34	6.99	39
Carriers .....	78	.49 $\frac{1}{2}$	18	1,190	66	589	33	15.26	39
Catchers .....	78	1.71	2	144	72	245	123	1.85	133
Catchers' helper .....	78	1.49	1	61	61	91	91	0.78	116
Cleaners .....	78	.46	2	163	82	75	38	2.09	36
Clippers .....	78	.50	8	526	66	263	33	6.74	39
Cold-bed hands.....	78	.56	10	561	56	313	31	7.19	44
Door boys .....	78	.19 $\frac{1}{2}$	10	440	44	85	9	5.64	15
Dressers.....	78	.67 $\frac{1}{2}$	8	590	74	399	50	7.56	53
Dressers' helpers .....	78	.33	8	506	63	166	21	6.49	26
	78	.45	1	72	72	32	32	0.92	35
Total .....	78	.34 $\frac{1}{2}$	9	578	64	198	22	7.41	27
Drillers .....	78	.57	2	133	67	76	38	1.71	45
Drillsmith .....	78	.54 $\frac{1}{2}$	1	46	46	25	25	0.59	42
Elevator tenders.....	78	.69	4	275	69	190	48	3.53	54
Filers .....	78	.51	32	1,900	62	1,014	32	25.51	40
Foremen, heaters .....	78	1.64	1	73	73	128	128	1.00	128
	78	1.83 $\frac{1}{2}$	1	80	80	147	147	1.03	143
Total .....	78	1.74	2	158	79	275	138	2.03	136
Foremen, laborers .....	78	.59 $\frac{1}{2}$	2	114	57	68	34	1.46	47
Foreman, mill .....	78	3.22 $\frac{1}{2}$	1	74	74	237	237	0.95	250
Foreman, rollers.....	78	3.37 $\frac{1}{2}$	1	60	60	203	203	0.77	264
Heaters.....	78	1.56	10	559	56	873	87	7.17	122
Heaters' helpers.....	78	.81 $\frac{1}{2}$	35	1,590	45	1,296	37	20.38	64
	78	.93 $\frac{1}{2}$	3	121	40	113	38	1.55	73
Total .....	78	.82 $\frac{1}{2}$	38	1,711	45	1,409	37	21.93	64



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## N.—Steel Rails: CONTINENT OF EUROPE—Concluded.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Hookers-up.....	78	\$0.62½	1	8	8	\$5	\$5	0.10	\$49
	78	.68½	2	16	8	11	6	0.21	54
	78	.75	2	16	8	12	6	0.21	59
	78	.76½	12	748	62	573	48	9.59	60
	78	.87½	1	8	8	7	7	0.10	68
	78	.90½	26	1,521	59	1,376	53	19.50	71
Total.....	78	.85½	44	2,317	53	1,984	45	29.71	67
Hot-bed hands.....	78	.57½	16	1,020	64	586	37	13.08	45
Ingot chargers.....	78	.56½	8	475	59	269	34	6.09	44
Ingot wheelers.....	78	.67½	14	789	56	532	38	10.12	53
Ingot wheelers' helpers.....	78	.56	7	352	50	197	28	4.51	44
Inspectors.....	78	.47½	1	63	63	30	30	0.81	37
	78	.53	1	61	61	32	32	0.78	41
	78	.58	1	73	73	42	42	0.94	45
Total.....	78	.53	3	197	66	104	35	2.53	41
Laborers.....	78	.53	25	318	13	168	7	4.08	41
Machinists.....	78	.49	1	82	82	40	40	1.05	38
	78	.52	4	255	64	133	33	3.27	41
	78	.53	1	82	82	43	43	1.05	41
	78	.53	2	104	52	60	30	1.33	45
	78	.62½	2	154	77	97	49	1.97	49
Total.....	78	.55	10	677	68	373	37	8.67	43
Numberers.....	78	.41	1	73	73	30	30	0.94	32
	78	.48½	1	66	66	32	32	0.85	38
Total.....	78	.44½	2	139	70	62	31	1.79	35
Overseers.....	78	.79	1	85	85	67	67	1.09	61
	78	1.06½	3	212	71	226	75	2.72	83
	78	1.20	1	86	86	96	96	1.03	94
	78	1.45	1	40	40	58	58	1.01	113
Total.....	78	1.07	6	417	70	447	75	5.35	84
Press hands.....	78	.51½	16	1,021	64	528	33	13.09	40
Rail handlers.....	78	.61½	25	1,286	51	789	32	16.48	48
Rollers.....	78	2.05	3	198	66	406	135	2.54	160
Rollers' helpers.....	78	1.37½	1	8	8	11	11	0.10	107
	78	1.44½	2	16	8	23	12	0.21	112
	78	1.65½	1	68	68	112	112	0.87	128
Total.....	78	1.58½	4	92	23	146	37	1.18	124
Roughers.....	78	1.25½	4	27	7	33	8	0.35	95
	78	1.37½	1	8	8	11	11	0.10	107
	78	1.46	4	135	34	197	49	1.73	114
	78	1.61½	5	320	64	516	103	4.10	126
Total.....	78	1.54½	14	490	35	757	54	6.28	121
Sawyers.....	78	.68½	4	268	67	184	46	3.44	54
Servants.....	78	.29	3	107	36	31	10	1.37	23
Straightener.....	78	.50	1	2	2	1	1	0.03	39
Supervisor.....	78	2.12½	1	46	46	97	97	0.59	164
Turbine men.....	78	.48½	2	136	68	66	33	1.74	38
	78	.77	3	193	66	152	51	2.54	60
	78	.93½	1	76	76	71	71	0.97	73
Total.....	78	.70½	6	410	68	289	48	5.25	55
Water boy.....	78	.38½	1	73	73	28	28	0.94	30
The establishment.....		.72	383	20,977	54	15,097	39	268.96	56



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES.

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmiths.....	313	\$1.50	1	149	149	\$222	\$222	0.48	\$466
	313	2.25	2	315	158	684	342	1.01	680
Total.....	313	1.95½	3	464	155	906	302	1.49	611
Blacksmiths' helper and catcher.	312	1.37½	1	212	212	291	291	0.68	430
Carpenter.....	313	3.00	1	14	14	41	41	0.04	917
Catchers.....	313	1.60	8	205	26	332	42	0.65	507
	313	1.70	1	128	128	213	213	0.41	521
	313	1.80	1	147	147	265	265	0.47	564
	313	2.10	2	578	289	1,214	607	1.85	657
	313	2.15	2	261	131	562	281	0.83	674
	313	(a)	4	(a)	(a)	114	29	(a)	(a)
Total.....	313	(b)	18	(b)	(b)	2,700	150	(b)	(b)
Catchers and laborers.....	313	1.48	2	50	25	74	37	0.16	463
Catcher and puddlers' helper.	313	(a)	1	(a)	(a)	240	240	(a)	(a)
Catchers and roughers.....	313	1.84½	3	72	24	133	44	0.23	578
	313	(a)	1	(a)	(a)	337	337	(a)	(a)
Total.....	313	(b)	4	(b)	(b)	470	118	(b)	(b)
Coal wheeler.....	313	1.25	1	324	324	405	405	1.04	391
Engineers.....	313	2.00	1	343	343	687	687	1.10	627
	313	2.96	1	365	365	1,080	1,080	1.17	926
Total.....	313	2.49½	2	708	354	1,767	884	2.27	781
Engineer and laborer.....	313	1.62½	1	122	122	198	198	0.39	508
Firemen.....	313	1.25	1	335	335	419	419	1.07	391
	313	1.35	1	314	314	431	431	1.00	430
	313	1.45	1	389	389	564	564	1.24	454
	313	1.50	1	342	343	514	514	1.10	469
Total.....	313	1.39½	4	1,381	345	1,928	482	4.41	437
Fireman and laborer.....	313	1.24½	1	220	220	274	274	0.70	390
Heaters.....	313	(a)	11	(a)	(a)	5,263	478	(a)	(a)
Heater and heaters' helper...	313	(a)	1	(a)	(a)	42	42	(a)	(a)
Heater and hooker.....	313	(a)	1	(a)	(a)	284	284	(a)	(a)
Heater and laborer.....	313	(a)	1	(a)	(a)	148	148	(a)	(a)
Heater and roller.....	313	(a)	1	(a)	(a)	212	212	(a)	(a)
Heaters' helpers.....	313	(a)	5	(a)	(a)	559	112	(a)	(a)
Hookers.....	313	1.15	5	272	54	311	62	0.87	358
	313	1.20	2	245	123	204	147	0.78	376
	313	1.25	6	539	90	673	112	1.72	391
	313	1.30	2	204	102	265	133	0.65	407
	313	1.40	2	263	132	370	185	0.84	440
Total.....	313	1.25½	17	1,523	90	1,913	113	4.86	393
Hooker and laborer.....	313	1.57½	1	104	104	164	164	0.33	494
Hookers and puddlers' helpers	313	(a)	2	(a)	(a)	94	47	(a)	(a)
Hooker and rougher.....	313	1.50	1	2	2	3	3	0.01	470

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborers .....	313	\$1.00	14	396	28	\$400	\$29	1.27	\$316
	313	1.05	180	6,721	37	7,121	40	21.47	332
	313	1.10	1	10	10	11	11	0.03	344
	313	1.15	32	2,318	72	2,642	83	7.41	357
	313	1.20	15	1,427	95	1,703	114	4.56	374
	313	1.25	11	357	32	445	40	1.14	390
	313	1.30	5	358	72	460	92	1.14	402
	313	(a)	1	(a)	(a)	3	3	(a)	(a)
Total .....	313	(b)	259	(b)	(b)	12,785	49	(b)	(b)
Laborers and puddlers .....	313	(a)	2	(a)	(a)	59	30	(a)	(a)
Laborers and puddlers' helpers .....	313	(a)	3	(a)	(a)	115	38	(a)	(a)
Laborer and rougher .....	313	(a)	1	(a)	(a)	49	49	(a)	(a)
Laborer and shearman .....	313	1.18	1	244	244	288	288	0.78	369
Laborers and stockers .....	313	1.22	1	51	51	66	66	0.16	405
	313	1.56	1	77	77	120	120	0.25	438
Total .....	313	1.45½	2	128	64	186	93	0.41	455
Machinists .....	313	1.75	3	28	9	49	16	0.09	548
	313	2.25	6	670	112	1,506	251	2.14	704
Total .....	313	2.23	9	698	78	1,555	173	2.23	697
Masons .....	313	3.45	1	313	313	1,080	1,080	1.00	1,080
	313	3.75	1	8	8	30	30	0.03	1,174
Total .....	313	3.46	2	321	161	1,110	555	1.03	1,032
Puddlers .....	313	(a)	67	(a)	(a)	18,373	274	(a)	(a)
Puddlers and puddlers' help- ers .....	313	(a)	12	(a)	(a)	1,729	144	(a)	(a)
Puddlers' helpers .....	313	(a)	123	(a)	(a)	9,744	79	(a)	(a)
Puddlers' helper and rougher .....	313	(a)	1	(a)	(a)	32	32	(a)	(a)
Roll turner .....	313	4.00	1	222	222	890	890	0.71	1,255
Rollers .....	313	1.50	2	187	94	273	137	0.60	457
	313	2.27	2	241	121	547	274	0.77	710
	313	5.00	2	269	135	1,347	674	0.86	1,567
	313	5.50	1	261	261	1,447	1,447	0.83	1,735
	313	c 10.40	1	289	289	3,006	3,006	0.92	3,256
Total .....	313	5.31	8	1,247	156	6,620	828	3.98	1,662
Roughers .....	313	2.00	10	784	78	1,567	157	2.50	626
	313	2.25	2	59	30	133	67	0.19	708
	313	2.40	2	380	190	912	456	1.21	751
	313	(a)	11	(a)	(a)	2,491	226	(a)	(a)
Total .....	313	(b)	25	(b)	(b)	5,103	204	(b)	(b)
Scrap piler .....	313	(a)	1	(a)	(a)	294	294	(a)	(a)
Shearmen .....	313	1.25	1	320	320	393	393	1.02	384
	313	1.35	7	1,178	168	1,574	225	3.76	418
	313	1.60	1	74	74	118	118	0.24	499
	313	1.75	1	311	311	545	545	0.99	549
Total .....	313	1.39½	10	1,883	188	2,630	263	6.01	437

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

c Contractor. Includes wages and profits.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Squeezer .....	313	\$1.25	1	118	118	\$148	\$148	0.88	\$393
Stokers .....	313	1.15	1	299	299	341	341	0.96	357
	313	1.25	8	1,300	163	1,624	203	4.15	391
	313	1.60	1	318	318	514	514	1.02	506
Total .....	313	1.29½	10	1,917	192	2,479	248	6.13	405
Straighteners .....	313	1.20	2	380	190	456	228	1.21	376
	313	1.25	2	578	289	723	362	1.85	392
Total .....	313	1.23	4	958	240	1,179	295	3.06	385
Teamster .....	313	1.25	1	313	313	391	391	1.00	391
Unloader .....	313	(a)	1	(a)	(a)	998	998	(a)	(a)
Watchman .....	265	2.50	1	335	335	838	838	0.92	913
The establishment .....	.....	(b)	625	(b)	(b)	85,571	137	(b)	(b)

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Ashmen .....	313	\$1.62	14	884	63	\$1,430	\$102	2.82	\$506
Blacksmiths .....	313	2.00	2	209	105	417	209	0.67	625
	313	2.50	1	107	107	262	262	0.34	766
	313	2.75	1	282	282	775	775	0.90	860
	313	4.16½	1	281	281	1,171	1,171	0.90	1,304
Total .....	313	2.98½	5	879	176	2,625	525	2.81	935
Blacksmiths' helpers .....	313	1.60	1	263	263	440	440	0.84	524
	313	1.75	4	804	201	1,386	347	2.57	540
	313	1.87½	1	252	252	472	472	0.81	586
Total .....	313	1.74	6	1,319	220	2,298	383	4.22	545
Bloom tossers .....	286	1.70	4	477	119	811	203	1.67	486
Boilermakers .....	313	2.13	1	256	256	543	543	0.82	664
	313	2.50	2	427	214	1,048	524	1.36	768
Total .....	313	2.33	3	683	228	1,591	530	2.18	729
Boilermakers' helper .....	313	1.00	1	228	228	228	228	0.73	313
Carpenters .....	313	1.75	1	96	96	169	169	0.31	551
	313	2.00	2	206	103	418	209	0.66	635
	313	2.40	1	10	10	24	24	0.03	751
	313	2.50	15	462	31	1,151	77	1.48	780
Total .....	313	2.27½	19	774	41	1,762	93	2.48	713
Catchers .....	286	2.00	1	10	10	19	19	0.03	543
	286	5.50	1	120	120	660	660	0.42	1,573
	286	7.76	1	240	240	1,862	1,862	0.84	2,219
	286	(a)	2	(a)	(a)	1,003	502	(a)	(a)
Total .....	286	(b)	5	(b)	(b)	3,544	709	(b)	(b)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Catchers and shearmen.....	286	(a)	4	(a)	(a)	\$3,344	\$836	(a)	(a)
Cindermen .....	286	\$1.50	1	10	10	15	15	0.03	\$429
	286	1.60	12	955	80	1,531	128	3.34	458
	286	2.25	2	483	244	1,075	538	1.71	630
Total .....	286	1.80½	15	1,453	97	2,621	175	5.08	516
Coal unloaders .....	313	(a)	(b)	(a)	(a)	2,166	(b)	(a)	(a)
Drag-outs .....	286	1.40	1	5	5	7	7	0.02	400
	286	1.50	2	328	164	485	243	1.15	423
	286	1.60	1	7	7	11	11	0.02	449
	286	2.12	4	477	119	1,012	253	1.67	607
	286	(a)	2	(a)	(a)	337	169	(a)	(a)
Total .....	286	(c)	10	(c)	(c)	1,852	185	(c)	(c)
Drawers.....	313	1.50	7	631	90	939	134	2.02	466
	313	1.60	3	615	205	986	329	1.96	502
	313	1.75	1	243	243	428	428	0.78	551
	313	1.90	2	328	164	615	308	1.05	587
Total .....	313	1.63½	13	1,817	140	2,968	228	5.81	511
Drawer and puddlers' helper..	286	(a)	1	(a)	(a)	442	442	(a)	(a)
Engineers .....	313	2.50	5	1,043	209	2,607	521	3.33	782
	313	3.00	1	1	1	3	3	0.00	939
Total .....	313	2.50	6	1,044	174	2,610	435	3.33	783
Engineers, locomotive .....	313	2.50	1	281	281	727	727	0.90	810
	313	2.75	1	109	109	298	298	0.35	856
	313	3.13½	1	309	309	968	968	0.99	981
	313	3.25	1	141	141	458	458	0.45	1,017
Total .....	313	2.92	4	840	210	2,451	613	2.69	913
Fillers.....	313	1.65	48	8,277	172	13,489	281	26.44	510
Fillers and laborers .....	313	1.54½	2	392	196	606	303	1.25	484
Filler and masons' helper.....	313	1.46½	1	28	28	41	41	0.09	458
Firemen, boiler.....	313	1.50	1	7	7	10	10	0.02	447
	313	1.60	2	12	6	19	10	0.04	496
	313	1.75	6	921	154	1,621	270	2.94	551
	313	1.90	20	1,840	92	3,449	172	5.88	587
	313	2.00	1	68	68	133	133	0.22	612
Total .....	313	1.83½	30	2,848	95	5,232	174	9.10	575
Firemen, locomotive.....	313	1.50	3	551	184	837	279	1.76	475
	313	1.75	1	18	18	30	30	0.06	522
Total .....	313	1.52½	4	569	142	867	217	1.82	477
Fireman and foreman .....	313	1.94	1	293	293	568	568	0.94	607
Foremen, boiler .....	313	2.00	2	448	224	892	446	1.43	623
Foreman, coke oven .....	313	2.75	1	290	290	797	797	0.93	860
Foremen, gashouse .....	365	2.00	2	494	247	988	494	1.35	730
Foremen, laborers.....	313	2.70	1	321	321	866	866	1.03	844
	313	2.80	1	312	312	874	874	1.00	877
Total .....	313	2.75	2	633	317	1,740	870	2.03	860

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employes not given.

c No total can be made for the reason shown in footnote a.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Foreman, puddlers .....	286	\$4.09	1	286	286	\$1,170	\$1,170	1.00	\$1,170	
Gatemén .....	313	1.40	4	1,159	290	1,635	409	3.70	442	
Heaters .....	286	2.00	1	36	36	72	72	0.13	572	
	286	3.84½	1	96	96	369	369	0.34	1,099	
	286	4.86	2	345	173	1,677	839	1.21	1,390	
	286	(a)	16	(a)	(a)	11,030	689	(a)	(a)	
Total .....	286	(b)	20	(b)	(b)	13,148	657	(b)	(b)	
Heaters' helpers .....	286	(a)	5	(a)	(a)	1,706	341	(a)	(a)	
Helpers .....	286	1.40	3	117	39	169	56	0.41	413	
	286	1.50	12	920	77	1,412	118	3.22	439	
	286	1.75	7	97	14	169	24	6.34	498	
	286	1.80	6	958	160	1,740	290	3.35	519	
	286	2.00	7	974	139	1,936	277	3.41	568	
	286	2.25	1	29	29	64	64	0.10	631	
Total .....	286	1.77½	36	3,095	86	5,490	153	10.83	507	
Helpers and laborers .....	313	1.70½	2	142	71	242	121	0.45	533	
Hookers-up .....	286	1.50	4	453	113	672	168	1.58	424	
	286	1.60	3	339	113	549	183	1.19	463	
	286	1.75	7	772	110	1,349	193	2.70	500	
Total .....	286	1.64½	14	1,564	112	2,570	184	5.47	470	
Hooker-up and piler .....	313	1.55½	1	9	9	14	14	0.03	487	
Laborers .....	313	.50	2	6	3	3	2	0.02	157	
	313	.60	3	7	2	4	1	0.02	179	
	313	.75	6	24	4	18	3	0.08	235	
	313	1.00	9	169	19	166	18	0.54	307	
	313	1.40	242	13,473	56	18,954	78	42.04	440	
	313	1.50	22	1,876	85	2,801	127	5.99	467	
	313	1.60	5	192	38	303	61	0.61	494	
	313	1.65	2	16	8	26	13	0.05	509	
	313	1.75	2	13	7	22	11	0.04	530	
	313	1.85	4	656	164	1,190	298	2.10	568	
	313	(a)	1	(a)	(a)	153	153	(a)	(a)	
Total .....	313	(b)	298	(b)	(b)	23,640	79	(b)	(b)	
Laborer and mason .....	313	1.54	1	13	13	20	20	0.04	482	
Laborer and piler .....	313	1.53½	1	41	41	63	63	0.13	481	
Laborers and rollers .....	313	2.00	1	2	2	4	4	0.01	626	
	313	2.26	1	31	31	70	70	0.10	707	
Total .....	313	2.24	2	33	17	74	37	0.11	702	
Laborer and straightener .....	313	1.68	1	187	187	314	314	0.60	526	
Machinists .....	313	1.40	2	5	3	7	4	0.02	438	
	313	1.60	2	485	243	781	391	1.55	504	
	313	1.75	3	643	214	1,129	376	2.05	550	
	313	2.00	2	403	202	821	411	1.29	638	
	313	2.25	2	311	156	717	359	0.99	722	
	313	2.50	16	1,873	117	4,659	291	5.98	779	
	313	2.75	1	281	281	771	771	0.90	859	
Total .....	313	2.22	28	4,001	143	8,885	317	12.78	695	

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Machinists' helpers.....	313	\$1.25	1	41	41	\$51	\$51	0.13	\$389
	313	1.40	9	131	15	185	21	0.42	442
	313	1.50	3	334	111	508	169	1.07	476
	313	1.75	1	95	95	159	159	0.30	524
Total .....	313	1.50	14	601	43	903	65	1.92	470
Masons .....	313	3.20	11	912	83	2,930	266	2.91	1,006
Masons' helpers .....	313	1.40	20	1,160	58	1,629	81	3.71	440
	313	1.50	1	319	319	477	477	1.02	468
Total .....	313	1.42½	21	1,479	70	2,106	100	4.73	446
Pilers .....	313	1.40	11	927	84	1,320	120	2.96	416
	313	1.50	18	2,688	149	4,031	224	8.59	469
Total .....	313	1.48	29	3,615	125	5,351	185	11.55	463
Piler and puncher .....	313	1.33½	1	3	3	4	4	0.01	417
Poke-ins .....	286	2.25	2	245	123	551	276	0.86	643
Puddlers .....	286	(a)	17	(a)	(a)	19,939	1,173	(a)	(a)
Puddlers' helpers .....	286	(a)	27	(a)	(a)	11,412	423	(a)	(a)
Punchers .....	313	.75	16	546	34	407	25	1.74	233
	313	.87½	1	89	89	78	78	0.28	274
	313	1.00	2	114	57	116	58	0.36	318
Total .....	313	.80	19	749	39	601	32	2.38	251
Roll turners .....	313	3.50	1	70	70	245	245	0.22	1,096
	313	7.00	1	307	307	2,149	1,149	0.98	2,191
Total .....	313	6.35	2	377	189	2,394	1,197	1.20	1,938
Roll turners' helpers .....	313	1.40	1	148	148	209	209	0.47	442
Rollers .....	286	5.54	1	206	206	1,141	1,141	0.72	1,584
	286	0.30	1	80	80	504	504	0.28	1,802
	286	6.96	1	73	73	508	508	0.26	1,990
	286	7.15½	2	172	86	1,231	616	0.60	2,047
	286	7.72½	1	234	234	1,808	1,808	0.82	2,210
	286	7.83	1	131	131	1,026	1,026	0.46	2,240
	286	8.44	1	114	114	962	962	0.40	2,413
Total .....	286	7.11	8	1,010	126	7,180	898	3.54	2,033
Rollers and crews .....	286	(a)	12	(a)	(a)	12,800	1,067	(a)	(a)
Rollers' helpers .....	286	2.50	2	260	130	650	325	0.91	715
Roughers-down .....	286	3.57½	2	260	130	929	465	0.91	1,022
	286	4.40	1	131	131	588	588	0.46	1,284
	286	4.78	1	114	114	545	545	0.40	1,367
Total .....	286	4.06½	4	505	126	2,062	516	1.77	1,168
Roughers-up .....	286	3.37½	4	477	119	1,609	402	1.67	965
	286	3.64	1	120	120	437	437	0.42	1,042
	286	4.96½	1	210	240	1,192	1,192	0.84	1,420
	286	(a)	1	(a)	(a)	86	86	(a)	(a)
Total .....	286	(b)	7	(b)	(b)	3,324	475	(b)	(b)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Roughers' helpers .....	286	\$1.55	2	20	10	\$31	\$16	0.07	\$443
	286	1.75	4	107	27	185	46	0.37	494
	286	2.00	1	12	12	23	23	0.04	548
Total .....	286	1.72	7	139	20	239	34	0.48	492
Scrap unloaders .....	313	(a)	(b)	(a)	(a)	2,338	(b)	(a)	(a)
Scrapers .....	286	.75	2	212	106	161	81	0.74	217
	286	.87½	2	278	139	245	123	0.97	252
Total .....	286	.83	4	490	123	406	102	1.71	237
Shearmen .....	286	1.50	1	189	189	290	290	0.66	439
	286	1.60	15	1,833	122	2,911	194	6.41	454
	286	1.75	5	1,126	225	1,978	396	3.94	502
	286	2.00	3	723	241	1,430	477	2.53	566
	286	c 8.09½	1	221	221	1,789	1,789	0.77	2,315
Total .....	286	2.05	25	4,092	164	8,398	336	14.31	587
Shearmen and shearmen's helpers .....	286	(a)	(b)	(a)	(a)	3,932	(b)	(a)	(a)
Shearmen's helper .....	286	1.00	1	121	121	121	121	0.42	286
Shippers .....	313	1.40	1	54	54	76	76	0.17	441
	313	1.50	8	1,661	208	2,490	311	5.31	469
Total .....	313	1.49½	9	1,715	191	2,566	285	5.48	468
Shove-unders .....	286	1.62½	2	8	4	13	7	0.03	465
	286	(a)	4	(a)	(a)	520	130	(a)	(a)
Total .....	286	(d)	6	(d)	(d)	533	89	(d)	(d)
Stablemen .....	365	1.40	4	357	89	500	125	0.98	511
Straighteners .....	286	1.40	5	61	12	86	17	0.21	403
	286	1.50	5	68	14	105	21	0.24	442
	286	1.60	1	26	26	42	42	0.09	462
	286	1.75	16	1,454	91	2,509	157	5.08	494
Total .....	286	1.70½	27	1,609	60	2,742	102	5.62	487
Switchmen .....	313	2.50	4	382	06	952	238	1.22	780
	313	2.70	2	84	42	223	112	0.27	831
	313	2.85	3	339	113	967	322	1.08	893
Total .....	313	2.66	9	805	89	2,142	238	2.57	833
Teamsters (with teams) .....	313	3.00	2	444	222	1,314	657	1.42	926
Trackmen .....	313	1.40	4	679	170	953	238	2.17	439
	313	1.60	2	120	60	188	94	0.38	490
Total .....	313	1.43	6	799	133	1,141	190	2.55	447
Watchmen .....	313	1.50	1	33	33	52	52	0.11	493
	313	1.75	1	295	295	517	517	0.94	549
Total .....	313	1.73½	2	328	164	569	285	1.05	543
Water tenders .....	313	2.10	3	695	232	1,456	485	2.22	656
Weighmen .....	286	1.75	2	481	241	842	421	1.68	501
The establishment .....		(d)	(d)	(d)	(d)	218,589	(d)	(d)	(d)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employes not given.

c Contractor. Includes wages and profits.

d No total can be made for reasons shown in footnotes a and b.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

## ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition of period.					Condition if workmen had continuous employment.	
			Different employés.	Days of work done.		Earnings.		Necessary employés.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Boiler tender .....	313	\$1.50	1	241	241	\$357	\$357	0.77	\$464
Catchers.....	286	1.60	1	5	5	8	8	0.02	458
	286	(a)	12	(a)	(a)	3,739	312	(a)	(a)
Total .....	286	(b)	13	(b)	(b)	3,747	288	(b)	(b)
Catcher and hooker-up.....	286	(a)	1	(a)	(a)	164	164	(a)	(a)
Catcher and sticker-in.....	286	(a)	1	(a)	(a)	309	309	(a)	(a)
Engineers .....	313	1.50	1	320	320	469	469	1.02	459
	313	2.00	1	318	318	620	620	1.02	610
Total .....	313	1.70½	2	638	819	1,089	545	2.04	534
Foreman.....	313	3.00	1	4	4	12	12	0.01	939
Heaters.....	286	(a)	7	(a)	(a)	2,878	411	(a)	(a)
Heater and rougher .....	286	(a)	1	(a)	(a)	35	35	(a)	(a)
Heaters' helpers.....	286	.75	1	68	68	52	52	0.24	219
	286	1.06	1	201	201	201	201	0.70	286
	286	(a)	7	(a)	(a)	1,444	206	(a)	(a)
Total .....	286	(b)	9	(b)	(b)	1,697	189	(b)	(b)
Hookers-up .....	286	(a)	2	(a)	(a)	294	147	(a)	(b)
Hooker-up and laborer.....	286	(a)	1	(a)	(a)	138	138	(a)	(a)
Hooker-up and rougher.....	286	(a)	1	(a)	(a)	172	172	(a)	(a)
Laborers.....	313	.75	11	690	63	526	48	2.20	239
	313	.82	1	262	262	212	212	0.84	253
	313	.90	42	4,295	102	3,866	92	13.72	282
	313	.95	25	3,424	137	3,260	130	10.94	298
	313	1.00	35	3,809	109	3,805	109	12.17	313
	313	1.10	2	231	116	249	125	0.74	337
	313	1.12	1	97	97	111	111	0.31	358
	313	1.20	1	240	240	283	283	0.77	369
Total .....	313	.94½	118	13,048	111	12,312	104	41.69	295
Puddlers .....	286	1.14	16	756	47	862	54	2.64	326
	286	1.36½	8	754	94	1,030	129	2.64	391
	286	1.62½	14	1,478	106	2,402	172	5.17	465
	286	1.86	13	1,836	141	3,417	263	6.42	532
	286	2.11½	26	4,294	165	9,089	350	15.01	605
	286	2.31½	4	520	130	1,203	301	1.82	662
Total .....	286	1.87	81	9,638	119	18,003	222	33.70	534
Puddlers, boss .....	286	1.90	1	304	304	567	567	1.06	533
	286	2.61	1	294	294	753	753	1.03	733
Total .....	286	2.20½	2	598	299	1,320	660	2.09	631
Puddlers' helpers.....	286	.71	21	1,139	54	807	38	3.98	203
	286	.95	16	1,592	100	1,514	95	5.57	272
	286	1.21	31	4,901	158	5,922	191	17.14	346
	286	1.35	13	2,013	155	2,722	209	7.04	387
Total .....	286	1.13½	81	9,645	119	10,965	135	33.73	325

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Rollers .....	286	(a)	4	(a)	(a)	\$2,995	\$749	(a)	(a)
Roughers .....	286	(a)	18	(a)	(a)	5,137	285	(a)	(a)
Rougher and yard hand .....	286	(a)	1	(a)	(a)	67	67	(a)	(a)
Shipper .....	313	\$1.85	1	342	342	632	632	1.09	\$578
Stickers-in .....	286	(a)	3	(a)	(a)	627	209	(a)	(a)
Stocker .....	286	(a)	1	(a)	(a)	727	727	(a)	(a)
Weighman .....	313	1.20	1	248	248	291	291	0.79	367
Yardmaster .....	313	1.75	1	227	227	389	389	0.73	536
Yardmen .....	313	.75	13	1,076	83	811	62	3.44	236
	313	.80	1	44	44	35	35	0.14	249
	313	.85	2	33	17	28	14	0.11	266
Total .....	313	.76	16	1,153	72	874	55	3.69	237
The establishment .....	-----	(b)	368	(b)	(b)	65,231	177	(b)	(b)

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Ashmen .....	313	\$1.35	5	668	134	\$917	\$183	2.13	\$430
	313	1.70	1	177	177	301	301	0.57	532
Total .....	313	1.44	6	845	141	1,218	203	2.70	451
Ashman and fireman .....	313	1.45	1	239	239	347	347	0.76	454
Blacksmiths .....	313	2.40	3	689	230	1,648	549	2.20	749
	313	2.97½	1	292	292	870	870	0.93	933
Total .....	313	2.56½	4	981	245	2,518	630	3.13	803
Blacksmith and blacksmiths' helper .....	313	1.98	1	46	46	91	91	0.15	619
Blacksmiths' helpers .....	313	1.59½	8	1,346	168	2,147	268	4.30	499
Blacksmiths' helper and oiler .....	313	1.53	1	68	68	104	104	0.22	479
Bolt cutters .....	313	1.21	7	714	102	865	124	2.28	379
	313	1.42	2	262	131	372	186	0.84	444
	313	1.71	1	152	152	260	260	0.49	535
Total .....	313	1.32½	10	1,128	113	1,497	150	3.61	415
Bolt packers .....	313	.90	2	527	264	465	233	1.68	276
Bricklayers .....	313	3.00	4	7	2	21	5	0.02	939
	313	3.27½	2	66	33	216	108	0.21	1,024
	313	3.50	6	109	18	383	64	0.35	1,100
Total .....	313	3.40½	12	182	15	620	52	0.58	1,066
Bricklayers' helpers .....	313	1.25	2	590	295	739	370	1.88	392
Caller .....	313	1.57½	1	362	362	570	570	1.16	493
Carpenters .....	313	2.00	2	22	11	44	22	0.07	626
	313	2.20	1	28	28	62	62	0.09	693
	313	2.25	2	451	226	1,014	507	1.44	704
Total .....	313	2.23½	5	501	100	1,120	224	1.60	700

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Carpenters' helper.....	313	\$1.25	1	128	128	\$160	\$160	0.41	\$391	
Cartmen.....	313	1.35	2	387	194	525	263	1.24	425	
Cartmen's helper .....	313	1.12½	1	300	300	338	338	0.96	353	
Catchers.....	313	1.30½	1	76	76	99	99	0.24	408	
	313	1.73	2	233	117	403	202	0.74	541	
	313	2.00	1	3	3	6	6	0.01	626	
	313	2.24½	1	70	70	157	157	0.22	702	
	313	2.39½	1	76	76	182	182	0.24	750	
	313	3.60½	3	287	96	1,034	345	0.92	1,128	
	313	4.92	4	825	206	4,061	1,015	2.64	1,541	
Total .....	313	3.78½	13	1,570	121	5,942	457	5.01	1,185	
Catcher and hooker-up .....	313	1.41	1	205	205	239	239	0.65	441	
Catchers and roughers.....	313	2.27	1	129	129	293	293	0.41	711	
	313	3.45	1	259	259	893	893	0.83	1,079	
Total .....	313	3.05½	2	388	194	1,186	593	1.24	957	
Catcher and straightener.....	313	2.20	1	241	241	529	529	0.77	687	
Charger .....	313	2.25	1	89	89	207	207	0.28	728	
Charger and heater.....	313	4.52½	1	173	173	783	783	0.55	1,417	
Cindermen .....	313	1.05	3	269	90	276	92	0.86	321	
	313	1.09	2	136	68	148	74	0.43	341	
	313	1.35	10	1,375	138	1,620	188	4.39	428	
Total .....	313	1.29½	15	1,780	119	2,304	154	5.68	405	
Cinderman and laborer .....	313	1.19½	1	262	262	313	313	0.84	374	
Counters .....	313	1.15	1	100	100	115	115	0.32	360	
	313	1.25	1	128	128	160	160	0.41	391	
	313	1.35	2	215	108	289	145	0.69	421	
Total .....	313	1.27½	4	443	111	564	141	1.42	398	
Door boys .....	313	.60	1	102	102	62	62	0.33	190	
	313	.65	1	208	208	136	136	0.66	205	
	313	.70	1	206	206	142	142	0.66	216	
	313	.85	1	144	144	124	124	0.46	270	
	313	1.00	1	208	208	201	201	0.66	302	
Total .....	313	.76½	5	808	174	665	133	2.77	240	
Engineers .....	313	1.65	1	146	146	241	241	0.47	517	
	313	2.00	5	944	189	1,878	378	3.02	623	
	313	2.10	1	309	309	649	649	0.89	657	
	313	2.25	4	882	221	1,968	492	2.82	698	
	313	2.30	1	301	301	694	694	0.96	722	
Total .....	313	2.10½	12	2,582	215	5,430	453	8.26	658	
Engineers and machinists ....	313	1.69	1	275	275	465	465	0.88	529	
	313	2.05½	1	88	88	181	181	0.28	644	
Total .....	313	1.78	2	363	182	646	323	1.16	557	
Firemen .....	313	1.60	14	1,971	141	3,162	226	6.30	502	
Fireman, furnace .....	313	4.71	1	291	291	1,371	1,371	0.93	1,475	
Firemen, gashouse .....	313	1.35	45	6,327	141	8,545	190	20.21	423	
Fireman and hooker-up.....	313	1.59½	1	47	47	75	75	0.15	499	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel; UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ-és.	Days of work done.		Earnings.		Necessary employés.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Firemen and laborers.....	313 313	\$1.44½ 1.73	5 1	633 217	127 217	\$915 375	\$183 375	2.02 0.69	\$452 541
Total .....	313	1.52	6	850	142	1,290	215	2.71	475
Firemen and water tenders...	313	1.76½	2	655	328	1,155	578	2.09	552
Foremen .....	313 313	2.11 2.85	1 3	313 947	313 316	660 2,697	660 899	1.00 3.03	660 891
Total .....	313	2.66½	4	1,260	315	3,357	839	4.03	834
Foreman, blacksmiths .....	313	3.45	1	302	302	1,042	1,042	0.96	1,080
Foreman, bricklayers .....	313	4.31½	1	313	313	1,350	1,350	1.00	1,350
Foremen, gashouse .....	365	2.50	2	709	355	1,773	887	1.94	913
Foreman and heater .....	313	4.43½	1	307	307	1,362	1,362	0.98	1,389
Heaters.....	313 313 313 313 313 313 313 313 313 313 313 313 313 313 313	3.41 3.88 4.09½ 4.47 4.52½ 5.15 5.65 5.98 6.11½ 6.86 7.09½ 7.38	2 2 2 1 2 1 3 3 5 2 1 1	142 346 466 136 145 14 399 526 1,184 309 235 243	71 173 233 136 73 14 133 175 237 200 235 243	484 1,342 1,909 608 656 72 2,254 3,146 7,242 2,738 1,667 1,793	242 671 955 608 328 72 751 1,049 1,448 1,369 1,667 1,793	0.45 1.11 1.49 0.43 0.46 0.04 1.27 1.68 3.78 1.27 0.75 0.78	1,067 1,214 1,282 1,399 1,416 1,610 1,768 1,872 1,914 2,148 2,220 2,310
Total .....	313	5.64½	25	4,235	169	23,911	956	13.51	1,767
Heaters and heaters' helpers..	313 313 313	3.42 3.74 4.73	1 2 2	206 244 459	206 122 230	704 912 2,171	704 456 1,086	0.66 0.78 1.47	1,070 1,170 1,480
Total .....	313	4.16½	5	909	182	3,787	757	2.91	1,304
Heaters' helpers .....	313 313 313 313 313 313 313	1.75 2.00 2.13 2.25 2.42 2.92	1 7 3 17 1 1	113 1,092 322 2,033 260 190	113 156 107 120 260 190	195 2,218 686 4,511 629 556	195 317 229 265 629 556	0.36 3.49 1.03 6.50 0.83 0.61	540 636 667 695 757 916
Total .....	313	2.19½	30	4,010	134	8,795	293	12.82	686
Heaters' helpers and laborers.	313	1.85	5	784	157	1,450	290	2.50	579
Heaters' helpers and piers ...	313	1.79	2	460	230	823	412	1.47	560
Heaters' helper and puddlers' helper.	313	2.15½	1	141	141	304	304	0.45	675
Hookers-up .....	313 313 313 313 313 313 313 313	1.25 1.35 1.50 1.65 1.75 1.80 2.26½	2 3 3 1 3 7 1	152 332 136 225 461 1,040 52	76 111 136 225 154 149 52	190 446 205 371 804 1,875 119	95 149 205 371 268 268 119	0.49 1.06 0.43 0.72 1.47 3.32 0.17	391 420 472 516 546 564 716
Total .....	313	1.67	18	2,398	133	4,010	223	7.66	523
Hookers-up and laborers.....	313 313	1.09½ 1.36½	1 1	166 80	166 80	182 109	182 109	0.53 0.28	343 426
Total .....	313	1.18½	2	246	123	291	146	0.79	370



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Hookers-up and roughers.....	313 313	\$1.78½ 2.23½	1 2	213 224	213 112	\$380 501	\$380 251	0.68 0.72	\$558 700
Total .....	313	2.01½	3	437	146	881	294	1.40	631
Hooker-up and straightener ..	313	1.50	1	198	198	297	297	0.63	470
Janitor .....	313	1.35	1	308	308	416	416	0.98	423
Laborers.....	313 313 313 313 313 313 313 313 313 313 313 313 313 313 313	1.05 1.10 1.12½ 1.20 1.25 1.30 1.35 1.40 1.45 1.55 1.62 1.81½ 2.00	5 11 236 25 37 1 272 30 27 16 5 13 1	137 508 14,031 1,063 2,538 180 18,163 2,470 2,077 1,204 317 3,045 307	27 46 59 43 69 180 67 82 77 75 63 234 307	143 555 15,840 1,267 3,195 233 24,443 3,432 3,049 1,848 516 5,520 614	29 50 67 51 86 233 90 114 113 116 103 425 614	0.44 1.62 44.83 3.40 8.11 0.58 58.03 7.89 6.64 3.85 1.01 9.73 0.98	327 342 353 373 394 405 421 435 459 480 509 567 626
Total .....	313	1.31½	679	46,040	68	60,655	89	147.11	412
Laborers (boys) .....	313 313 313 313 313 313 313 313 313 313 313 313	.60 .70 .80 .85 .90 .95 1.00 1.15 1.20	1 45 7 49 11 5 8 1 3	8 1,422 931 3,410 903 277 386 54 211	8 32 133 70 82 55 48 54 70	5 1,000 727 2,882 817 257 385 61 248	5 22 104 59 74 51 48 61 83	0.03 4.54 2.97 10.89 2.88 0.88 1.23 0.17 0.67	196 220 244 265 283 290 312 354 368
Total .....	313	.84	130	7,602	58	6,382	49	24.26	263
Laborers and puddlers'helpers	313 313	1.51 2.21	2 1	123 24	62 24	186 53	93 53	0.39 0.08	473 691
Total .....	313	1.62½	3	147	49	239	80	0.47	509
Laborers and punchers .....	313 313	1.66½ 2.00	1 1	83 183	83 183	138 366	138 366	0.27 0.58	520 620
Total .....	313	1.89½	2	266	133	504	252	0.85	593
Laborer and reverser.....	313	1.60	1	227	227	362	362	0.73	499
Laborers and shearmen.....	313	1.45½	2	392	196	570	285	1.25	455
Laborers and straighteners...	313 313	1.56½ 1.87	2 1	439 246	220 246	688 459	344 459	1.40 0.79	491 584
Total .....	313	1.67½	3	685	228	1,147	382	2.19	524
Laborer and switchman.....	313	1.77	1	306	306	542	542	0.98	554
Laborer and telegraphman....	313	1.55½	1	220	220	342	342	0.70	487
Laborer and weighman.....	313	1.67½	1	170	170	285	285	0.54	525
Machinists .....	313 313 313 313 313	1.35 2.20 2.50 2.75 3.30	1 2 2 7 1	282 327 211 1,547 281	282 164 106 221 281	381 720 527 4,253 928	381 360 264 608 928	0.90 1.04 0.67 4.94 0.90	423 689 782 860 1,034
Total .....	313	2.57	13	2,648	204	6,809	524	8.45	805



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Nut dresser .....	313	\$1.45½	1	101	101	\$147	\$147	0.32	\$456
Nut tappers .....	313	1.56½	2	87	44	136	68	0.28	489
Oilers .....	313	1.35	4	571	143	759	199	1.82	416
	313	1.57½	1	310	310	488	488	0.09	493
Total .....	313	1.41½	5	881	176	1,247	249	2.81	443
Oiler and puddlers' helper....	313	1.54½	1	191	191	295	295	0.61	483
Packers .....	313	.95	1	181	181	172	172	0.58	297
	313	1.35	1	87	87	119	119	0.28	428
Total .....	313	1.08½	2	268	134	291	146	0.86	340
Pilers .....	313	1.35	7	1,492	213	2,017	288	4.77	423
	313	1.45	1	255	255	363	363	0.81	446
	313	1.57½	1	227	227	353	353	0.73	487
	313	1.65	1	204	204	339	339	0.65	520
Total .....	313	1.41	10	2,178	218	3,072	307	6.96	441
Pollicemen .....	313	1.25	2	267	134	333	167	0.85	390
Puddlers .....	313	3.23	1	82	82	265	265	0.26	1,012
	313	3.65	2	141	71	515	258	0.45	1,143
	313	3.88½	3	438	146	1,702	567	1.40	1,216
	313	4.10	6	1,017	170	4,170	695	3.25	1,283
	313	4.60½	1	202	202	930	930	0.65	1,441
	313	4.74½	1	141	141	669	669	0.45	1,485
Total .....	313	4.08½	14	2,021	144	8,251	589	6.46	1,278
Pnddler and puddlers' helper.	313	3.20½	1	204	204	654	654	0.65	1,003
Puddlers' helpers .....	313	1.15½	1	32	32	37	37	0.10	362
	313	1.53	1	32	32	49	49	0.10	479
	313	1.89½	6	355	59	672	112	1.13	592
	313	2.02	8	1,062	133	2,146	268	3.39	632
	313	2.63	2	418	209	1,100	550	1.34	824
	313	2.77	1	201	201	557	557	0.64	867
Total .....	313	2.17	19	2,100	111	4,561	240	6.70	680
Puddlers' helper and rougher- up.	313	2.20	1	86	86	189	189	0.27	688
Puddlers' helper and shear- men's helper.	313	1.54	1	74	74	114	114	0.24	483
Pullers-down .....	313	1.35	2	376	188	520	260	1.20	433
	313	1.57½	4	825	206	1,303	326	2.64	494
	313	1.80	4	687	172	1,251	313	2.19	570
Total .....	313	1.63	10	1,888	189	3,074	307	6.03	510
Pullers-up .....	313	1.00	1	96	96	93	93	0.31	303
	313	1.25	3	530	177	661	220	1.69	390
Total .....	313	1.20½	4	626	157	754	189	2.00	377
Punchers .....	313	1.80	3	456	152	843	281	1.46	579
	313	2.34½	2	91	46	214	107	0.29	736
Total .....	313	1.93	5	547	109	1,057	211	1.75	605
Reversers .....	313	1.12½	5	615	123	690	138	1.06	351
	313	1.20	4	637	159	769	192	2.04	378
Total .....	313	1.16½	9	1,252	139	1,459	162	4.00	365

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## C.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Roll cleaners .....	313	\$1.12½	1	279	279	\$314	\$314	0.89	\$352
	313	1.35	1	243	243	328	328	0.78	422
Total .....	313	1.23	2	522	261	642	321	1.67	385
Roll turner .....	313	6.71	1	313	313	2,100	2,100	1.00	2,100
Rollers .....	313	3.59	2	279	140	1,001	501	0.89	1,123
	313	5.40	1	5	5	27	27	0.02	1,690
	313	6.28	1	126	126	791	791	0.40	1,965
	313	7.22½	2	464	232	3,352	1,676	1.48	2,261
	313	7.71	1	166	166	1,280	1,280	0.53	2,413
	313	7.96½	2	275	138	2,190	1,095	0.88	2,493
	313	8.75½	1	110	110	953	953	0.35	2,740
	313	8.84	1	105	105	928	928	0.34	2,766
	313	9.50½	1	81	81	770	770	0.26	2,975
Total .....	313	7.01½	12	1,611	134	11,302	942	5.15	2,196
Roller and rougher-down .....	313	3.30½	1	206	206	681	681	0.66	1,035
Roller and weighman .....	313	2.48	1	252	252	625	625	0.81	776
Rollers' helpers .....	313	2.00	5	897	179	1,794	359	2.87	626
	313	2.25	1	106	106	237	237	0.34	700
	313	2.64	1	129	129	339	339	0.41	823
Total .....	313	2.09½	7	1,132	162	2,370	339	3.62	655
Roughers .....	313	2.33½	1	3	3	7	7	0.01	730
	313	2.66½	2	3	2	8	4	0.01	835
	313	2.75	1	4	4	11	11	0.01	861
	313	3.00	1	7	7	21	21	0.02	939
	313	3.35½	4	273	68	916	229	0.87	1,050
	313	3.49	2	90	45	314	157	0.29	1,092
	313	3.82½	2	239	145	1,104	552	0.92	1,196
	313	4.02	5	558	112	2,242	448	1.78	1,258
	313	4.26	1	27	27	115	115	0.09	1,333
	313	4.48½	2	93	47	417	209	0.30	1,403
	313	5.04½	1	263	263	1,327	1,327	0.84	1,579
Total .....	313	4.02½	22	1,610	73	6,482	295	5.14	1,260
Roughers-down .....	313	2.48	1	23	23	57	57	0.07	776
	313	3.62½	6	645	108	2,337	390	2.06	1,134
	313	3.85	5	823	165	3,166	633	2.63	1,204
Total .....	313	3.73	12	1,491	124	5,560	463	4.76	1,167
Roughers-down and straight- eners .....	313	3.00	2	446	223	1,337	669	1.42	933
Roughers-up .....	313	2.67½	2	40	20	107	54	0.13	837
	313	2.96½	3	246	82	729	243	0.79	928
	313	3.15	4	278	70	876	219	0.89	986
	313	3.39	4	340	210	2,849	712	2.68	1,062
	313	3.78	2	280	140	1,059	530	0.89	1,184
	313	4.34½	1	153	153	664	664	0.49	1,358
Total .....	313	3.42	16	1,837	115	6,284	393	5.87	1,071
Shearmen .....	313	1.61½	23	3,639	160	5,954	259	11.79	505
Shearman and shearmen's helper .....	313	1.49½	1	176	176	263	263	0.56	468
Shearmen's helpers .....	313	1.52½	6	1,472	245	2,247	375	4.70	478
Shipper .....	313	2.30	1	317	317	728	728	1.01	719

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Slotters.....	313	\$1.35	1	29	29	\$38	\$38	0.09	\$410
	313	1.46	1	37	37	53	53	0.12	448
	313	1.71½	1	48	48	82	82	0.15	535
	313	2.22	1	150	150	332	332	0.48	693
Total .....	313	1.91½	4	264	66	505	126	0.84	599
Sticker-in.....	313	2.25	1	56	56	125	125	0.18	699
Stocker.....	313	1.75	1	238	238	398	398	0.76	523
Straighteners.....	313	1.35	5	405	81	553	111	1.29	427
	313	1.57½	14	2,298	164	3,629	259	7.34	494
	313	1.75	1	106	106	185	185	0.34	546
Total .....	313	1.55½	20	2,809	140	4,367	218	8.97	487
Switchman .....	313	1.91½	1	117	117	223	223	0.37	597
Teamsters .....	313	1.12½	3	111	37	125	42	0.35	352
	313	1.35	1	313	313	414	414	1.00	414
Total .....	313	1.27	4	424	106	539	135	1.35	398
Telegraphmen .....	313	1.35	1	67	67	90	90	0.21	420
	313	1.55½	1	31	31	48	48	0.10	485
	313	1.70	6	606	101	1,039	173	1.94	537
	313	1.80	1	236	236	431	431	0.75	572
	313	2.00	2	369	185	767	379	1.18	642
Total .....	313	1.80½	11	1,309	119	2,365	215	4.18	566
Water boy.....	313	.65	1	17	17	11	11	0.05	203
Water tenders.....	313	2.12½	4	1,264	316	2,090	673	4.04	666
Weighmen.....	313	1.50	1	87	87	127	127	0.28	457
	313	1.61½	1	98	98	159	159	0.31	508
	313	1.72½	1	313	313	540	540	1.00	540
	313	1.75	3	352	117	628	209	1.12	558
	313	2.00	1	264	264	526	526	0.84	624
Total .....	313	1.77½	7	1,114	159	1,980	283	3.55	556
Yardmaster.....	313	2.72	1	313	313	852	852	1.00	852
The establishment.....	.....	1.91½	1,371	138,225	101	264,865	193	441.20	600

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Alley-men.....	287	\$1.75	2	412	206	\$725	\$363	1.44	\$505
Assistants at furnace.....	287	1.67	1	50	50	83	83	0.17	476
	287	1.75	1	87	87	151	151	0.30	498
	287	1.85	2	350	175	651	326	1.22	534
Total .....	287	1.81½	4	487	122	885	221	1.69	522
Blacksmith.....	313	3.60	1	310	310	1,120	1,120	0.99	1,131
Blacksmith's helpers.....	313	1.81½	3	927	309	1,684	561	2.96	569
Bloom boy.....	287	1.50	1	235	235	353	353	.82	431
Boilermen and gasmen.....	313	1.71½	2	356	178	610	305	1.14	536
Bricklayers.....	313	4.00	4	338	85	1,352	338	1.08	1,252



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Bricklayers' helpers.....	313	\$1.75	1	20	20	\$35	\$35	0.06	\$548
	313	1.80	1	19	19	34	34	0.06	560
	313	2.00	6	720	120	1,440	240	2.30	626
Total .....	313	1.99	8	759	95	1,509	189	2.42	622
Carpenters .....	313	2.75	1	374	374	1,013	1,013	1.19	848
Catchers.....	287	4.30½	1	147	147	633	633	0.51	1,236
	287	5.30½	1	265	265	1,406	1,406	0.92	1,523
Total .....	287	4.95	2	412	206	2,039	1,020	1.43	1,420
Catchers' helpers.....	287	2.83½	1	147	147	417	417	0.51	814
	287	3.38	1	265	265	896	896	0.92	970
Total .....	287	3.18½	2	412	206	1,313	657	1.43	915
Chargers .....	287	1.58	1	426	426	652	652	1.48	439
	287	1.75	1	277	277	477	477	0.97	494
	287	1.80	2	589	295	1,094	547	2.05	533
Total .....	287	1.72	4	1,292	323	2,223	556	4.50	494
Chargers and pilers.....	287	1.59½	1	201	201	321	321	0.70	458
	287	1.63½	1	11	11	18	18	0.04	470
	287	1.69	6	678	113	1,147	191	2.36	486
Total .....	287	1.67	8	890	111	1,486	186	3.10	479
Cinder wheelers.....	287	1.65	13	1,608	124	2,659	205	5.60	475
Drag-downs .....	287	1.69½	2	239	120	405	203	0.83	486
Drag-outs .....	287	2.00	6	1,392	232	2,784	464	4.85	574
Drivers .....	313	1.62	2	747	374	1,210	605	2.39	507
Engineers .....	313	2.00	2	719	360	1,492	746	2.30	650
	313	2.25	2	612	306	1,419	710	1.96	726
	313	4.20½	1	337	337	1,416	1,416	1.08	1,315
Total .....	313	2.59½	5	1,668	334	4,327	865	5.34	812
Fagotmakers .....	313	1.25	1	9	9	11	11	0.03	383
	313	2.25	1	56	56	121	121	0.18	676
Total .....	313	2.03	2	65	33	132	66	0.21	636
Finishers .....	287	3.26	1	147	147	479	479	0.51	995
	287	3.88	1	265	265	1,028	1,028	0.92	1,113
Total .....	287	3.66	2	412	206	1,507	754	1.43	1,050
Firemen .....	313	1.89½	2	654	327	1,240	620	2.09	593
Forge cleaners.....	313	1.25	3	844	281	1,088	363	2.70	403
Heaters.....	287	6.49	2	486	243	3,155	1,578	1.60	1,863
	287	6.76	1	99	99	666	666	0.34	1,931
	287	7.07	6	1,412	235	9,983	1,664	4.92	2,029
Total .....	287	6.91	9	1,997	222	13,804	1,534	6.95	1,984
Hoaters' helper.....	287	1.30	1	278	278	374	374	0.97	386
Heavers-up.....	287	1.60	1	40	40	64	64	0.14	450
	287	1.80	1	224	224	413	413	0.78	529
	287	2.00	2	225	113	446	223	0.78	569
Total .....	287	1.89	4	489	122	923	231	1.70	542



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif-ferent em-ploy-és.	Days of work done.		Earnings.		Neces-sary em-ployés.	Conse-quent average earnings per em-ployé.
				Total.	Aver-age.	Total.	Aver-age.		
Helper.....	287	\$1.87½	1	8	8	\$15	\$15	0.03	\$538
Hookers-up.....	287	1.70	5	1,159	232	1,976	394	4.04	488
Laborers.....	313	1.20	2	298	149	361	181	0.95	379
	313	1.25	70	2,673	38	3,359	48	8.54	393
	313	1.30	17	2,583	152	3,354	197	8.25	406
	313	1.35	28	2,102	75	2,823	101	6.72	420
	313	1.37½	15	837	56	1,153	77	2.67	431
	313	1.40	11	1,836	167	2,568	233	5.87	438
	313	1.45	12	1,441	120	2,076	173	4.60	451
	313	1.48	5	1,057	211	1,563	313	3.38	463
	313	1.50	9	835	93	1,255	189	2.67	470
	313	1.55	3	915	305	1,402	467	2.92	480
Total .....	313	1.36½	172	14,577	85	19,914	116	46.57	428
Laborers (boys).....	313	.45	8	604	76	274	34	1.93	142
Metal breakers .....	313	1.80	11	96	9	172	16	0.31	561
	313	1.85	4	754	189	1,388	347	2.41	576
Total .....	313	1.83½	15	850	57	1,560	104	2.72	574
Millwright.....	313	3.32	1	430	430	1,429	1,429	1.37	1,040
Millwrights, assistant.....	313	2.00	1	35	35	71	71	0.11	635
	313	2.10	1	419	419	879	879	1.34	657
Total .....	313	2.09½	2	454	227	950	475	1.45	655
Ore grinder.....	313	1.70	1	355	355	605	605	1.13	533
Ore wheeler.....	313	1.80	1	278	278	492	492	0.89	554
Poke-ins.....	287	1.50	5	1,222	244	1,833	367	4.26	431
Puddlers.....	287	3.40	109	14,746	135	50,137	460	51.38	976
Puddler, boss .....	287	3.89	1	276	276	1,074	1,074	0.96	1,117
Puddlers' helpers.....	287	2.10	109	14,746	135	30,966	284	51.38	603
Pullers-up .....	287	1.25	3	160	53	199	66	0.56	357
Pullers-up (boys).....	287	.45	2	293	147	138	69	1.02	135
	287	.50	4	244	61	120	30	0.85	141
Total .....	287	.48	6	537	90	258	43	1.87	138
Roll turner .....	287	8.50	1	281	281	2,384	2,384	0.98	2,435
Rollers .....	287	3.00	1	228	228	684	684	0.79	861
	287	4.00	1	233	233	932	932	0.81	1,148
	287	5.00	2	505	253	2,570	1,285	1.76	1,461
	287	a 5.06	1	228	228	1,154	1,154	0.79	1,453
	287	a 6.16	1	235	235	1,448	1,448	0.82	1,768
	287	a 6.62	1	147	147	974	974	0.51	1,902
	287	a 7.60½	1	265	265	2,015	2,015	0.92	2,182
	287	a 9.75	1	254	254	2,477	2,477	0.89	2,799
	287	a 19.23	1	273	273	5,250	5,250	0.95	5,519
Total .....	287	7.39	10	2,368	237	17,504	1,750	8.24	2,121
Roughers.....	287	2.40	6	1,392	232	3,341	557	4.85	689
	287	3.24½	5	1,119	224	3,630	726	3.90	931
	287	3.54½	6	1,472	245	5,215	869	5.13	1,017
	287	3.88	1	265	265	1,028	1,028	0.92	1,113
Total .....	287	3.11	18	4,248	236	13,214	734	14.80	893
Sawyers .....	287	1.58	6	1,136	189	1,796	299	3.96	454
Scrap wheeler .....	287	1.51	1	390	390	588	588	1.86	433

a Contractor. Includes wages and profits.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- ees.	Days of work done.		Earnings.		Necessary employ- ées.	Consequent average earnings per employ- é.
				Total.	Average.	Total.	Average.		
Scrapers .....	287	\$1.60	7	1,749	250	\$2,798	\$400	6.09	\$459
Shearmen .....	287	1.57½	8	2,510	314	3,952	494	8.75	452
Shippers .....	313	1.35	1	121	121	163	163	0.39	422
	313	1.85	1	518	518	962	962	1.65	581
Total .....	313	1.76	2	639	320	1,125	563	2.04	551
Stockers .....	287	2.00	2	486	243	1,003	502	1.69	592
Stocker, boss .....	287	4.21½	1	266	266	1,121	1,121	0.93	1,210
Straighteners .....	287	.80	10	2,444	244	1,955	196	8.52	230
Watchmen .....	365	1.12½	1	405	405	470	470	1.11	424
	365	1.60	1	364	364	603	603	1.00	605
	365	1.80	1	364	364	676	676	1.00	678
Total .....	365	1.54½	3	1,133	378	1,749	583	3.11	563
Weighman .....	287	1.60	1	378	378	623	623	1.32	473
The establishment .....		2.42	602	86,027	143	208,253	346	291.58	714

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Axle cutter .....	168	(a)	1	(a)	(a)	\$57	\$57	(a)	(a)
Axle cutter and machinist .....	168	(a)	1	(a)	(a)	333	333	(a)	(a)
Axle hammermen .....	168	\$4.00	3	90	30	361	120	0.54	\$674
	168	4.25	1	48	48	203	203	0.29	711
	168	(a)	1	(a)	(a)	34	34	(a)	(a)
Total .....	168	(b)	5	(b)	(b)	598	120	(b)	(b)
Axle hammerman and blacksmith .....	168	3.60	1	30	30	108	108	0.18	605
Axle hammermen's helpers .....	168	1.65	1	26	26	41	41	0.15	265
	168	1.75	1	64	64	111	111	0.38	291
	168	2.00	5	100	20	199	40	0.60	334
	168	(a)	1	(a)	(a)	19	19	(a)	(a)
Total .....	168	(b)	8	(b)	(b)	370	46	(b)	(b)
Billet wheeler and drag-out .....	168	1.63½	1	82	82	138	138	0.49	283
Blacksmiths .....	168	2.25	1	4	4	9	9	0.02	378
	168	2.40	1	64	64	153	153	0.38	402
	168	2.75	1	159	159	437	437	0.95	462
	168	3.00	1	148	148	443	443	0.88	503
Total .....	168	2.78	4	375	94	1,042	261	2.23	467
Blacksmiths' helpers .....	168	.75	3	153	51	115	38	0.91	126
	168	1.50	7	122	17	183	26	0.73	252
	168	1.75	5	224	45	387	77	1.33	290
	168	1.90	1	68	68	130	130	0.40	321
Total .....	168	1.43½	16	567	35	815	51	3.37	241

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Boiler cleaner .....	168	\$1.00	1	73	73	\$73	73	\$0.43	\$168
Bricklayer .....	168	3.50	1	168	168	588	588	1.00	588
Bricklayer's helper .....	168	2.25	1	190	190	428	428	1.13	378
Bundler .....	168	(a)	1	(a)	(a)	223	223	(a)	(a)
Carpenters .....	168	3.00	3	27	9	80	27	0.16	498
Catchers .....	168	(a)	2	(a)	(a)	905	453	(a)	(a)
Catchers' helpers .....	168	(a)	2	(a)	(a)	100	50	(a)	(a)
Cinder wheelers .....	168	1.50	4	56	14	81	20	0.33	243
	168	1.75	1	131	131	227	227	0.78	291
	168	2.00	1	37	37	74	74	0.22	336
Total .....	168	1.70½	6	224	37	382	64	1.33	287
Coke wheeler .....	168	1.00	1	142	142	142	142	0.85	168
Craneman .....	168	1.75	1	137	137	248	248	0.82	304
Drag-downs .....	168	2.25	4	108	42	378	95	1.00	378
	168	2.50	2	130	65	325	163	0.77	420
Total .....	168	2.36	6	298	50	703	117	1.77	396
Drag-down and heater .....	168	2.61	1	59	59	154	154	0.35	439
Drag-outs .....	168	1.50	1	83	83	132	132	0.49	267
	168	1.75	3	205	68	369	123	1.22	302
	168	1.90	8	616	77	1,149	144	3.67	313
Total .....	168	1.82½	12	904	75	1,650	138	5.38	307
Engineer .....	168	1.75	1	87	87	153	153	0.52	295
Engineers, axle hammer .....	168	1.50	1	15	15	22	22	0.09	246
	168	2.00	3	103	34	206	69	0.61	336
	168	(a)	2	(a)	(a)	176	88	(a)	(a)
Total .....	168	(b)	6	(b)	(b)	404	67	(b)	(b)
Engineer, chief .....	168	4.00	1	166	166	649	649	0.99	657
Engineer, shape hammer .....	168	3.00	1	163	163	502	502	0.97	517
Firemen .....	168	1.53½	1	80	80	123	123	0.48	258
	168	1.66½	3	174	58	290	97	1.04	280
	168	1.83½	1	153	153	281	281	0.91	309
	168	2.00	1	25	25	49	49	0.15	329
Total .....	168	1.72	6	432	72	743	124	2.58	289
Firemen, axle hammer .....	168	1.66½	1	138	138	238	238	0.82	290
	168	1.80	5	95	19	170	34	0.57	301
	168	2.15	1	40	40	87	87	0.24	365
	168	(a)	1	(a)	(a)	8	8	(a)	(a)
Total .....	168	(b)	8	(b)	(b)	503	63	(b)	(b)
Firemen, boiler .....	168	1.50	1	171	171	261	261	1.02	256
	168	1.75	1	57	57	100	100	0.34	295
	168	1.86	2	127	64	236	118	0.76	312
	168	2.00	1	24	24	48	48	0.14	336
	168	2.35	1	168	168	395	395	1.00	395
Total .....	168	1.90	6	547	91	1,040	173	3.26	319

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Firemen, link welders.....	168	(a)	5	(a)	(a)	\$1,534	\$307	(a)	(a)
Fireman, shapo hammer.....	168	\$1.90	1	152	152	294	294	0.90	\$325
Fireman and laborer.....	168	1.57	1	7	7	11	11	0.04	264
Fireman and shearman.....	168	1.43	1	110	110	157	157	0.65	240
Fireman and stocker.....	168	1.25	1	28	28	35	35	0.17	210
Foreman, blacksmiths.....	168	5.00	1	168	168	840	840	1.00	840
Foreman, machinists.....	168	3.50	1	177	177	618	618	1.05	587
Foreman, scrap pilers.....	168	2.65½	1	124	124	329	329	0.74	446
Foreman, yard.....	168	2.50	1	185	185	461	461	1.10	419
Greasers.....	168	1.47	2	53	27	78	39	0.32	247
Headers.....	168	1.99½	4	362	91	722	181	2.15	335
Heaters.....	168	1.25	9	818	91	1,021	113	4.87	210
	168	1.87	1	92	92	172	172	0.55	314
	168	3.00	2	63	32	190	95	0.38	507
	168	3.50	3	128	43	448	149	0.76	588
	168	4.67½	1	135	135	631	631	0.80	785
	168	(a)	1	(a)	(a)	29	29	(a)	(a)
Total.....	168	(b)	17	(b)	(b)	2,491	147	(b)	(b)
Heater and laborer.....	168	1.32	1	100	100	132	132	0.60	222
Hookers-up.....	168	1.50	7	377	54	574	82	2.24	256
	168	(a)	1	(a)	(a)	20	20	(a)	(a)
Total.....	168	(b)	8	(b)	(b)	594	74	(b)	(b)
Laborers.....	168	.50	1	2	2	1	1	0.01	84
	168	1.00	6	296	49	298	50	1.76	169
	168	1.25	37	848	23	1,079	29	5.05	214
	168	1.36	6	563	94	765	128	3.35	228
	168	1.50	23	1,387	60	2,083	91	8.26	252
	168	1.62½	1	83	83	135	135	0.49	273
	168	2.25	1	169	169	380	380	1.01	378
Total.....	168	1.41½	75	3,348	45	4,741	63	19.93	238
Laborer and ore crusher.....	168	1.47½	1	143	143	211	211	0.85	248
Laborers and scrap pilers.....	168	(a)	6	(a)	(a)	1,478	246	(a)	(a)
Link welders.....	168	(a)	5	(a)	(a)	1,933	387	(a)	(a)
Machinists.....	168	1.50	1	18	18	27	27	0.11	252
	168	1.66½	1	26	26	44	44	0.15	284
	168	2.25	2	240	120	534	267	1.43	374
	168	2.50	1	173	173	432	432	1.03	420
	168	2.60½	1	166	166	433	433	0.99	438
	168	2.75	1	150	150	427	427	0.89	478
Total.....	168	2.45½	7	773	110	1,897	271	4.60	412
Machinists' helper.....	168	1.75	1	166	166	291	291	0.99	295
Millwrights.....	168	3.00	1	124	124	371	371	0.74	503
	168	3.50	1	30	30	103	103	0.18	577
Total.....	168	3.08	2	154	77	474	237	0.92	517
Pin pointers.....	168	.75	8	442	55	332	42	2.63	126
Puddlers.....	168	(a)	5	(a)	(a)	2,108	422	(a)	(a)
Puddlers' helpers.....	168	(a)	5	(a)	(a)	659	132	(a)	(a)
Roll turner.....	168	(a)	1	(a)	(a)	398	398	(a)	(a)
Rollers.....	168	(a)	2	(a)	(a)	3,621	1,811	(a)	(a)
Rollers' helpers.....	168	(a)	8	(a)	(a)	10,632	1,329	(a)	(a)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Differential employ- és.	Days of work done.		Earnings.		Necessary employ- és.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Roughers .....	168	\$1.57	1	14	14	\$22	\$22	0.08	\$264
	168	(a)	6	(a)	(a)	989	165	(a)	(a)
Total .....	168	(b)	7	(b)	(b)	1,011	144	(b)	(b)
Scrap heaters .....	168	(a)	7	(a)	(a)	6,496	928	(a)	(a)
Scrap pilers .....	168	(a)	13	(a)	(a)	2,025	156	(a)	(a)
Shapo hammerman .....	168	8.03 $\frac{1}{2}$	1	164	164	1,318	1,318	0.98	1,350
Shape hammerman's helpers..	168	2.00	1	176	176	365	365	1.05	348
	168	2.25	1	147	147	334	334	0.88	382
Total .....	168	2.16 $\frac{1}{2}$	2	323	162	699	350	1.93	364
Shearmen .....	168	1.50	8	436	55	671	84	2.60	250
	168	1.66 $\frac{1}{2}$	2	307	154	522	261	1.83	286
	168	1.83 $\frac{1}{2}$	1	124	124	223	223	0.74	302
	168	2.00	2	90	45	178	89	0.54	322
	168	2.23	2	296	148	660	330	1.76	375
Total .....	168	1.80	15	1,253	84	2,254	150	7.47	302
Stockers .....	168	1.00	2	91	46	91	46	0.54	168
	168	1.25	2	174	87	209	105	1.04	262
Total .....	168	1.13	4	265	66	300	75	1.58	190
Swarf wheelers .....	168	.75	3	38	13	28	9	0.23	124
Watchmen .....	168	1.25	1	192	192	234	234	1.14	205
	168	1.60	1	5	5	8	8	0.03	269
	168	1.85 $\frac{1}{2}$	1	118	118	219	219	0.70	312
	168	2.00	1	39	39	78	78	0.23	336
Total .....	168	1.52 $\frac{1}{2}$	4	354	89	539	135	2.10	256
The establishment .....		(b)	331	(b)	(b)	64,872	196	(b)	(b)

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Ashmen .....	155	\$1.29 $\frac{3}{4}$	2	108	54	\$140	\$70	0.70	\$201
Ashman and stoker .....	155	1.25	1	8	8	10	10	0.05	194
Blacksmiths .....	155	2.40	1	62	62	146	146	0.40	365
	155	2.45	2	63	32	155	78	0.41	381
	155	3.25	1	157	157	511	511	1.01	504
Total .....	155	2.88	4	282	71	812	203	1.82	446
Blacksmiths' helpers .....	155	1.45	3	394	131	571	190	2.54	225
	155	1.60	2	249	125	401	201	1.61	250
Total .....	155	1.51	5	643	129	972	194	4.15	234
Boiler tenders .....	155	1.75	4	729	182	1,280	320	4.70	272
Boiler tender and engineer ...	155	1.86	1	116	116	216	216	0.75	289
Boilermen .....	155	1.75	5	399	80	694	139	2.57	270
Boilerman and painter .....	155	2.10 $\frac{1}{2}$	1	12	12	26	26	0.08	336
Bnggymen .....	155	1.57	6	132	22	207	35	0.85	243

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued,

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Buggyman and heater's helper.	155	\$1.83½	1	6	6	\$11	\$11	0.04	\$284
Bundler and laborer .....	155	1.63½	1	112	112	183	183	0.72	253
Caller .....	155	1.50	1	179	179	269	269	1.15	233
Carpenters .....	155	2.00	1	154	154	313	313	0.99	315
	155	2.20	2	154	77	338	169	0.99	340
	155	2.25	1	75	75	169	169	0.48	349
	155	2.50	1	91	91	227	227	0.59	387
	155	4.00	1	158	158	632	632	1.02	620
Total .....	155	2.65½	6	632	105	1,679	280	4.07	412
Catchers .....	155	1.50	2	62	31	93	47	0.40	233
	155	1.89	1	18	18	34	34	0.12	293
	155	2.00	1	6	6	12	12	0.04	310
	155	2.33½	3	24	8	56	19	0.15	362
Total .....	155	1.77½	7	110	16	195	28	0.71	275
Catchers and hookers .....	155	2.00	2	76	38	152	76	0.49	310
Catchers and laborers .....	155	1.44½	2	38	19	55	28	0.25	224
	155	1.80½	1	46	46	83	83	0.30	280
	155	2.00	1	31	31	62	62	0.20	310
Total .....	155	1.74	4	115	29	200	50	0.75	270
Catcher and straightener .....	155	1.61	1	72	72	116	116	0.46	250
Chargers .....	155	1.25	14	150	11	188	13	0.97	104
Chargers and heaters' helpers.	155	1.26	2	66	33	83	42	0.43	195
Cindermen .....	155	1.32	2	25	13	33	17	0.16	205
Cinderman and laborer .....	155	1.33½	1	3	3	4	4	0.02	207
Coal wheelers .....	155	1.25	2	64	32	81	41	0.41	196
	155	1.31	4	236	59	306	77	1.52	201
	155	1.37½	1	62	62	86	86	0.40	215
	155	1.40	2	185	93	259	130	1.19	217
	155	1.50	4	174	44	260	65	1.12	232
	155	1.62½	1	68	68	108	108	0.44	246
Total .....	155	1.39½	14	789	56	1,100	79	5.08	216
Cranemen .....	155	.90	2	113	57	102	51	0.73	140
Croppers .....	155	1.25	3	148	49	185	62	0.95	194
	155	1.30	2	115	58	149	75	0.74	201
	155	1.58	1	68	68	105	105	0.44	239
	155	2.75	1	29	29	80	80	0.19	428
Total .....	155	1.44	7	360	51	519	74	2.32	223
Croppers and laborers .....	155	1.47	1	89	89	131	131	0.57	228
	155	2.08½	1	106	106	221	221	0.68	323
Total .....	155	1.80½	2	195	98	352	176	1.25	280
Door boys .....	155	.50	15	374	25	188	13	2.41	78
Door boy and lay-over .....	155	.69½	1	33	33	23	23	0.21	108
Door boys and stampers .....	155	.64	2	86	43	55	28	0.55	99
Drag-backs .....	155	1.00	2	32	16	32	16	0.21	155
Drag-outs and lay-overs .....	155	1.19	2	121	61	144	72	0.78	184
Dumper .....	155	1.25	1	42	42	52	52	0.27	192
Dumper and heaters' helper .....	155	1.48	1	52	52	77	77	0.34	230
Engineers .....	155	1.30	2	108	54	141	71	0.70	202
	155	1.75	2	191	96	335	168	1.23	272
	155	2.00	5	332	66	649	130	2.14	303
Total .....	155	1.78½	9	631	70	1,125	125	4.07	276

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ-és.	Days of work done.		Earnings.		Necessary employés.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Engineer and roller.....	155	\$2.00	1	2	2	\$4	\$4	0.01	\$310
Foreman, machinists.....	155	2.87½	1	155	155	450	450	1.00	450
Gasmakers.....	155	1.57	8	445	56	696	87	2.87	242
	155	1.68	2	251	126	422	211	1.62	261
Total.....	155	1.60½	10	696	70	1,118	112	4.49	249
Gasmaker and hammerman...	155	3.03	1	31	31	94	94	0.20	470
Gasmaker and heaters' helper.	155	2.40½	1	52	52	125	125	0.34	373
Gasmaker and laborer.....	155	1.38½	1	13	13	18	18	0.08	215
Gateman.....	155	1.50	1	176	176	264	264	1.14	233
Hammer driver.....	155	1.60	1	119	119	189	189	0.77	246
Hammerman.....	155	5.50	1	114	114	629	629	0.74	855
Hammerman and heaters' helper.	155	1.45½	1	136	136	198	198	0.88	226
Hammerman and laborer.....	155	1.40	1	130	130	182	182	0.84	217
Hammermen's helpers.....	155	1.71½	3	230	77	395	132	1.48	266
Hammermen's helpers and laborers.	155	1.55½	1	45	45	70	70	0.29	241
	155	2.30½	1	85	85	196	196	0.55	357
Total.....	155	2.04½	2	130	65	266	133	0.84	317
Heaters.....	155	2.55½	1	36	36	92	92	0.23	396
	155	3.17	1	125	125	396	396	0.81	491
	155	3.78½	1	47	47	178	178	0.30	587
	155	3.95	3	96	32	379	126	0.62	612
	155	4.09½	5	252	50	1,032	206	1.63	635
	155	4.47	4	98	25	438	110	0.63	693
Total.....	155	3.84½	15	654	44	2,515	168	4.22	596
Heater and heaters' helper....	155	2.48	1	56	56	139	139	0.36	385
Heaters and laborers.....	155	1.70½	1	128	128	218	218	0.83	264
	155	3.85½	1	63	63	243	243	0.41	598
Total.....	155	2.41½	2	191	96	461	231	1.24	374
Heaters' helpers.....	155	1.37½	7	48	7	66	9	0.31	213
	155	1.62½	12	563	47	916	76	3.63	252
	155	1.97	4	104	26	205	51	0.67	306
	155	2.10½	2	75	38	158	79	0.48	327
Total.....	155	1.70½	25	790	32	1,345	54	5.09	264
Heaters' helpers and laborers.	155	1.51	2	63	32	95	48	0.41	234
Heaters' helper and scrapers' helper.	155	1.11	1	37	37	41	41	0.24	172
Hookers.....	155	1.00	1	2	2	2	2	0.01	155
	155	1.37½	2	8	4	11	6	0.05	213
	155	1.63	8	240	30	391	49	1.55	253
	155	2.00	2	4	2	8	4	0.03	310
Total.....	155	1.62	13	254	20	412	32	1.64	251
Hookers and laborers.....	155	1.43	2	37	19	53	27	0.24	222
Hooker and rougher-down....	155	2.30	1	50	50	115	115	0.32	357
Hookers-in.....	155	1.40½	1	27	27	38	38	0.17	218
	155	1.86	1	71	71	132	132	0.46	288
Total.....	155	1.73½	2	98	40	170	85	0.63	269



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Hookers-out .....	155	\$1.60	2	15	8	\$24	\$12	0.10	\$248
	155	2.00	2	113	57	226	113	0.73	310
Total .....	155	1.95½	4	128	32	250	63	0.83	303
Hooker-out and laborer .....	155	1.44½	1	45	45	65	65	0.29	224
Hooker-up .....	155	1.66½	1	18	18	30	30	0.12	258
Hooker-up and laborer .....	155	1.46	1	24	24	35	35	0.15	226
Iron tester .....	155	1.91½	1	72	72	138	138	0.46	297
Iron tester and stoker .....	155	1.66½	1	105	105	175	175	0.68	258
Laborers .....	155	.75	9	133	15	99	11	0.86	115
	155	1.00	3	50	17	52	17	0.32	161
	155	1.25	81	1,449	18	1,811	22	9.35	194
	155	1.30	16	457	29	589	37	2.95	200
	155	1.37½	6	397	66	546	91	2.56	213
	155	1.50	4	146	37	216	54	0.94	229
Total .....	155	1.26	119	2,632	22	3,313	28	16.98	195
Laborer and moulder .....	155	1.46	1	59	59	86	86	0.38	226
Laborer and pipe fitter .....	155	1.52	1	50	50	76	76	0.32	236
Laborer and rougher-down .....	155	2.23½	1	17	17	38	38	0.11	346
Laborer and stocker .....	155	1.28	1	32	32	41	41	0.21	199
Laborer and straightener .....	155	1.97½	1	39	39	77	77	0.25	306
Lay-overs .....	155	1.38	5	221	44	305	61	1.43	214
Lay-over and puncher .....	155	.84	1	38	38	32	32	0.25	131
Machinists .....	155	1.25	1	153	153	191	191	0.99	193
	155	1.75	1	21	21	36	36	0.14	266
	155	2.00	3	338	113	677	226	2.18	310
	155	2.20	2	221	111	486	243	1.43	341
	155	2.25	1	104	104	234	234	0.67	349
	155	2.45	4	523	131	1,280	320	3.37	379
	155	3.00	1	154	154	455	455	0.99	453
Total .....	155	2.22	13	1,514	116	3,359	258	9.77	344
Machinist and puncher .....	155	2.70	1	131	131	354	354	0.85	419
Machinists' helpers .....	155	.75	2	144	72	109	55	0.93	117
Masons .....	155	3.15	2	13	7	41	21	0.08	489
	155	4.00	1	10	10	40	40	0.06	620
Total .....	155	3.52	3	23	8	81	27	0.14	546
Masons' helpers .....	155	1.50	2	209	105	314	157	1.35	233
	155	1.62½	1	137	137	222	222	0.88	251
Total .....	155	1.55	3	346	115	536	179	2.23	240
Mauler and puncher .....	155	1.42½	1	40	40	57	57	0.26	221
Millwrights .....	155	2.25	2	215	108	483	242	1.39	348
Oil-room hands .....	155	1.37½	1	99	99	136	136	0.64	213
	155	2.00	1	159	159	318	318	1.03	310
Total .....	155	1.76	2	258	129	454	227	1.67	273
Patternmakers .....	155	1.25	1	59	59	73	73	0.38	192
	155	3.50	1	156	156	546	546	1.01	543
Total .....	155	2.88	2	215	108	619	310	1.39	446
Pipe fitter .....	155	1.50	1	157	157	229	229	1.01	226
Policemen .....	155	1.50	7	579	83	860	123	3.74	230



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Punchers.....	155	\$0.75	2	21	11	\$16	\$8	0.14	\$118
	155	.87½	1	50	50	44	44	0.32	136
	155	1.00	8	257	32	264	33	1.66	159
	155	1.25	10	163	16	200	20	1.05	190
	155	1.33½	1	9	9	12	12	0.06	207
	155	1.70	1	100	100	170	170	0.65	264
Total.....	155	1.17½	23	600	26	706	31	3.88	182
Puncher and straightener....	155	1.73	1	48	48	83	83	0.31	268
Roll turners.....	155	2.45	1	70	70	172	172	0.45	381
	155	4.00	1	159	159	636	636	1.03	620
Total.....	155	3.52½	2	229	115	808	404	1.48	547
Rollers.....	155	4.23	2	91	46	385	193	0.59	656
	155	4.46	1	63	63	281	281	0.41	691
	155	6.86	1	71	71	487	487	0.46	1,063
	155	7.35½	1	73	73	537	537	0.47	1,140
	155	7.47	1	77	77	575	575	0.50	1,157
Total.....	155	6.04	6	375	63	2,265	378	2.43	936
Rollers' helpers.....	155	2.17	2	93	47	202	101	0.60	337
	155	2.66	1	38	38	101	101	0.25	412
Total.....	155	2.31½	3	131	44	303	101	0.85	359
Rollers' helpers and roughers.	155	2.40½	2	118	59	284	142	0.76	373
Roughers.....	155	1.50	1	4	4	6	6	0.03	233
	155	2.20½	4	155	39	342	86	1.00	342
	155	2.40	4	210	53	504	126	1.35	372
	155	2.70	3	167	56	451	150	1.08	419
	155	2.93½	1	47	47	138	138	0.30	455
Total.....	155	2.47	13	583	45	1,441	111	3.76	383
Rougher and rougher-down...	155	1.97	1	68	68	134	134	0.44	305
Roughers and stickers-in....	155	1.81	2	73	37	132	66	0.47	280
Roughers-down.....	155	2.52	1	27	27	68	68	0.17	390
	155	3.02½	2	133	67	402	201	0.86	468
Total.....	155	2.93½	3	160	53	470	157	1.03	455
Roughers-up.....	155	1.93	2	87	44	168	84	0.56	299
	155	2.52	3	112	37	282	94	0.72	390
	155	3.09½	1	21	21	65	65	0.14	480
Total.....	155	2.34	6	220	37	515	86	1.42	363
Rougher-up and straightener.	155	1.65½	1	81	81	134	134	0.52	256
Runner.....	155	2.50	1	152	152	379	379	0.98	386
Scrap pilers.....	155	1.00	1	9	9	9	9	0.06	155
	155	2.18½	1	87	87	190	190	0.56	339
Total.....	155	2.07½	2	96	48	199	100	0.62	321
Scrap piler and scrapper.....	155	2.01	1	120	120	241	241	0.77	311
Scrappers.....	155	3.18	1	33	33	105	105	0.21	493
	155	3.61½	1	31	31	112	112	0.20	560
Total.....	155	3.39	2	64	32	217	109	0.41	526

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Nees- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Scraper and scrapers' help- ers.	155	\$1.84½	1	26	26	\$48	\$48	0.17	\$286
Scrapers' helpers.....	155 155	1.00 1.55	1 3	4 13	4 4	4 20	4 7	0.03 0.08	155 238
Total .....	155	1.41	4	17	4	24	6	0.11	219
Shipper.....	155	3.45	1	155	155	540	540	1.00	540
Shipper's helper .....	155	1.66½	1	14	14	23	23	0.09	255
Shovellers.....	155	1.37½	5	199	40	273	55	1.28	219
Stampers.....	155	.84	2	25	13	21	11	0.16	130
Sticklers-in.....	155 155 155 155	1.22 1.34½ 1.64½ 1.84½	5 8 2 1	68 294 42 58	14 37 21 58	83 396 69 107	17 50 35 107	0.44 1.90 0.27 0.37	189 209 255 286
Total .....	155	1.42	16	462	29	655	41	2.98	220
Stockers.....	155 155 155 155 155 155 155 155	.50 .90 1.00 1.25 1.35 1.37½ 1.62½ 1.75	1 3 3 5 2 3 1 1	26 122 42 158 95 55 95 58	26 41 14 32 48 18 95 58	14 110 42 198 127 75 154 100	14 37 14 40 64 25 154 100	0.17 0.79 0.27 1.02 0.61 0.35 0.61 0.37	83 140 155 194 207 211 251 267
Total .....	155	1.26	19	651	34	820	43	4.19	195
Stocker, boss .....	155	2.50	1	100	100	250	250	0.65	388
Stokers.....	155 155	1.25 1.37½	10 3	351 249	35 83	442 339	44 113	2.26 1.61	195 211
Total .....	155	1.30	13	600	46	781	60	3.87	202
Straighteners.....	155 155 155	1.35 1.43 1.80½	9 3 2	253 132 51	28 44 26	345 189 92	38 63 46	1.63 0.85 0.33	211 222 230
Total .....	155	1.43½	14	436	31	626	45	2.81	223
Straightener and water boy...	155	1.60½	1	33	33	53	53	0.21	249
Timekeeper .....	155	2.40½	1	27	27	65	65	0.17	373
Timekeeper and yardmaster..	155	2.32½	1	155	155	360	360	1.00	360
Water boys.....	155 155	.50 1.25	1 4	53 57	53 14	28 71	28 18	0.34 0.37	82 193
Total .....	155	.90	5	110	22	99	20	0.71	140
Water-gate man.....	155	.75	1	23	23	17	17	0.15	115
Weighmen.....	155 155 155	1.00 1.25 1.74	2 1 2	15 46 310	8 16 155	15 20 540	8 20 270	0.10 0.10 2.00	155 194 270
Total .....	155	1.68½	5	341	68	575	115	2.20	261
The establishment.....		1.86½	554	24,611	44	45,860	83	158.78	289

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total	Aver- age.	Total.	Aver- age.		
Acidman .....	313	\$1.50	1	292	292	\$438	\$438	0.93	\$470
Annealers .....	313	(a)	8	(a)	(a)	165	21	(a)	(a)
Annealers and annealers' help- ers.	313	(a)	(b)	(a)	(a)	3,536	(b)	(a)	(a)
Back tongs men .....	313	(a)	3	(a)	(a)	3,139	1,046	(a)	(a)
Blacksmiths .....	313	2.75	1	310	310	850	850	0.99	858
	313	3.40	1	318	318	1,081	1,081	1.02	1,064
Total .....	313	3.07½	2	628	314	1,931	966	2.01	962
Blacksmiths' helpers .....	313	1.40	1	207	207	294	294	0.66	445
	313	1.50	1	314	314	482	482	1.00	480
Total .....	313	1.49	2	521	261	776	388	1.66	466
Boilermaker .....	313	(a)	1	(a)	(a)	414	414	(a)	(a)
Brakeman .....	313	1.75	1	309	309	559	559	0.99	566
Brander .....	313	1.75	1	302	302	515	515	0.96	534
Bricklayers .....	313	3.25	4	287	72	935	234	0.92	1,020
	313	3.50	2	326	163	1,134	567	1.04	1,089
	313	4.83	1	12	12	58	58	0.04	1,513
Total .....	313	3.40½	7	625	89	2,127	304	2.00	1,065
Bricklayers' helpers .....	313	1.40	2	335	168	472	236	1.07	441
Buggy-offs .....	313	1.50	3	293	98	430	146	0.94	469
	313	(a)	2	(a)	(a)	1,014	507	(a)	(a)
Total .....	313	(c)	5	(c)	(c)	1,453	291	(c)	(c)
Bundlers .....	313	1.50	1	61	61	92	92	0.19	472
	313	1.75	2	620	310	1,080	540	1.98	545
Total .....	313	1.72	3	681	227	1,172	391	2.17	539
Carpenters .....	313	1.50	1	58	58	90	90	0.19	486
	313	1.75	1	9	9	16	16	0.02	556
	313	2.00	3	340	113	649	216	1.09	597
	313	2.25	1	289	289	650	650	0.92	704
Total .....	313	2.02	6	696	116	1,405	234	2.23	632
Catchers .....	313	1.45	1	264	264	386	386	0.84	458
	313	1.50	1	12	12	18	18	0.04	470
	313	1.55	1	268	268	419	419	0.86	489
	313	1.80	3	727	242	1,308	436	2.32	563
	313	2.00	1	22	22	43	43	0.07	612
	313	(a)	2	(a)	(a)	1,928	964	(a)	(a)
Total .....	313	(c)	9	(c)	(c)	4,102	456	(c)	(c)
Cinder boys .....	313	.75	5	595	119	447	89	1.90	235
Cleaner .....	313	1.50	1	236	236	354	354	0.75	470
Dippers .....	313	2.25	4	1,170	293	2,615	654	3.74	700
	313	2.50	1	322	322	787	787	1.03	765
	313	2.80	1	297	297	831	831	0.95	876
Total .....	313	2.36½	6	1,789	298	4,233	706	5.72	741

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employés not given.

c No total can be made for the reason shown in footnote a.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Dipper and laborer .....	313	\$1.94½	1	283	283	\$550	\$550	0.90	\$608
Doublers .....	313	1.50	1	325	325	487	487	1.04	469
	313	1.60	2	588	293	937	469	1.87	500
	313	1.75	14	1,992	142	3,498	250	6.36	550
	313	1.85	1	308	308	570	570	0.98	579
Total .....	313	1.71	18	3,211	178	5,492	305	10.25	535
Doubler, sheet .....	313	.95	1	33	33	31	31	0.11	294
Doubler and laborer .....	313	(a)	1	(a)	(a)	16	16	(a)	(a)
Engineers .....	313	1.60	1	320	320	512	512	1.02	501
	313	2.00	4	1,180	295	2,361	590	3.77	626
	313	2.25	1	253	253	569	569	0.81	704
	313	2.30	1	34	34	78	78	0.11	718
	313	2.50	3	1,001	334	2,503	834	3.20	783
Total .....	313	2.16	10	2,788	279	6,023	602	8.91	676
Engineer, chief .....	313	4.25	1	318	318	1,337	1,337	1.02	1,316
Foremen .....	313	2.92½	1	313	313	915	915	1.00	915
	313	4.50	1	137	137	617	617	0.44	1,410
Total .....	313	3.40½	2	450	225	1,532	766	1.44	1,066
Foreman, laborers .....	313	2.25	1	318	318	716	716	1.02	705
Hammer drivers .....	313	1.65	2	589	295	971	486	1.88	516
	313	(a)	3	(a)	(a)	1,835	612	(a)	(a)
Total .....	313	(b)	5	(b)	(b)	2,806	561	(b)	(b)
Hammermen .....	313	(a)	4	(a)	(a)	4,414	1,104	(a)	(a)
Heaters .....	313	1.60	1	291	291	466	466	0.93	501
	313	1.75	1	308	308	538	538	0.98	547
	313	1.85	4	1,139	285	2,108	527	3.64	579
	313	2.00	10	2,411	241	4,821	482	7.70	626
	313	(a)	8	(a)	(a)	11,605	1,451	(a)	(a)
Total .....	313	(b)	24	(b)	(b)	19,538	814	(b)	(b)
Heaters' helpers .....	313	(a)	9	(a)	(a)	4,348	483	(a)	(a)
Hookers-up .....	313	1.35	1	62	62	84	84	0.20	424
	313	(a)	2	(a)	(a)	1,947	974	(a)	(a)
Total .....	313	(b)	3	(b)	(b)	2,031	677	(b)	(b)
Laborers .....	313	1.00	4	524	131	525	131	1.67	314
	313	1.25	2	62	31	79	40	0.20	399
	313	1.35	218	10,015	46	13,542	62	32.60	423
	313	1.40	14	996	71	1,386	99	3.18	436
	313	1.45	22	3,014	137	4,363	198	9.63	453
	313	1.50	38	4,291	113	6,423	169	13.71	469
	313	1.55	2	75	38	115	58	0.24	480
	313	1.60	9	1,579	175	2,566	285	5.04	509
	313	1.70	1	85	85	144	144	0.27	530
	313	1.85	2	75	38	139	70	0.24	580
	313	2.00	13	555	43	1,106	85	1.77	624
	313	2.25	1	31	31	69	69	0.10	697

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total	Average.	Total.	Average.		
Laborers—concluded .....	313	\$2.66½	1	3	3	\$8	\$8	0.01	\$835
	313	(a)	24	(a)	(a)	4,468	186	(a)	(a)
	313	(a)	(b)	(a)	(a)	1,486	(b)	(a)	(a)
Total .....	313	(c)	(c)	(c)	(c)	36,419	(c)	(c)	(c)
Ladle men .....	313	(a)	7	(a)	(a)	1,709	244	(a)	(a)
Lever boys .....	313	1.50	2	562	281	800	400	1.80	446
Lever men .....	313	(a)	6	(a)	(a)	6,262	1,044	(a)	(a)
Machinists .....	313	3.00	1	229	229	686	686	0.73	938
	313	(a)	1	(a)	(a)	15	15	(a)	(a)
Total .....	313	(c)	2	(c)	(c)	701	351	(c)	(c)
Machinists' helpers .....	313	1.45	2	625	313	910	455	2.00	456
	313	1.50	1	311	311	466	466	0.99	469
Total .....	313	1.47	3	936	312	1,376	459	2.99	460
Mason .....	313	1.35	1	127	127	171	171	0.41	421
Matchers .....	313	1.50	1	18	18	26	26	0.06	452
	313	1.75	6	1,201	200	2,107	351	3.84	549
	313	1.85	5	1,197	239	2,211	442	3.82	578
Total .....	313	1.80	12	2,416	201	4,344	362	7.72	563
Melters .....	313	(a)	4	(a)	(a)	3,497	874	(a)	(a)
Melters' helpers .....	313	(a)	11	(a)	(a)	5,024	457	(a)	(a)
Millwright .....	313	4.50	1	137	137	617	617	0.44	1,410
Millwrights, assistant .....	313	1.65	1	328	328	554	554	1.05	529
	313	1.75	1	316	316	553	553	1.01	548
Total .....	313	1.72	2	644	322	1,107	554	2.06	538
Office boys .....	313	.41½	2	312	156	131	66	1.00	131
Ore grinder .....	313	1.50	1	333	333	489	489	1.06	460
Picklers .....	313	1.50	1	404	404	606	606	1.29	470
	313	1.75	2	785	393	1,363	682	2.51	543
	313	2.00	1	409	409	810	810	1.31	620
Total .....	313	1.74	4	1,598	400	2,779	695	5.11	544
Picklers' helpers .....	313	1.50	5	1,243	249	1,889	378	3.97	476
	313	1.64	1	408	408	669	669	1.30	513
Total .....	313	1.55	6	1,651	275	2,558	426	5.27	485
Pipe line boss .....	313	2.50	1	131	131	325	325	0.42	777
Pitmen .....	313	1.35	1	283	283	362	382	0.90	422
	313	(a)	8	(a)	(a)	2,661	333	(a)	(a)
Total .....	313	(c)	9	(c)	(c)	3,043	333	(c)	(c)
Puddlers .....	313	(a)	18	(a)	(a)	15,402	856	(a)	(a)
Puddlers' helpers .....	313	(a)	18	(a)	(a)	9,590	533	(a)	(a)
Pullers-up .....	313	.75	5	650	130	487	97	2.08	235
Roll turner .....	313	4.87	1	318	318	1,548	1,548	1.02	1,524

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employes not given.

c No total can be made for reasons shown in the preceding footnotes.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Rollers .....	313	\$2.26½	1	279	279	\$632	\$632	0.89	\$709
	313	3.50	1	289	289	1,010	1,010	0.92	1,094
	313	(a)	4	(a)	(a)	6,789	1,697	(a)	(a)
Total .....	313	(b)	6	(b)	(b)	8,431	1,405	(b)	(b)
Rollers and crews .....	313	(a)	60	(a)	(a)	76,781	1,280	(a)	(a)
Roughers .....	313	(a)	2	(a)	(a)	1,221	611	(a)	(a)
Scrap boys .....	313	.60	2	304	152	173	87	0.97	178
	313	.75	1	11	11	8	8	0.04	228
	313	.85	1	290	290	237	237	0.93	256
	313	.95	10	1,779	178	1,690	169	5.68	297
Total .....	313	.88½	14	2,384	170	2,108	151	7.62	277
Shearmen and shearmen's helpers .....	313	(a)	12	(a)	(a)	8,335	695	(a)	(a)
Sheet floormen .....	313	1.50	2	449	225	673	337	1.43	469
Shinglers .....	313	(a)	2	(a)	(a)	3,349	1,675	(a)	(a)
Slagmen .....	313	(a)	2	(a)	(a)	782	391	(a)	(a)
Stockers .....	313	1.50	14	2,357	168	3,570	255	7.53	474
	313	1.60	1	313	313	507	507	1.00	507
Total .....	313	1.52½	15	2,670	178	4,077	272	8.53	478
Storekeeper .....	313	1.45	1	295	295	428	428	0.94	454
Sweepers .....	313	1.35	2	547	274	738	369	1.75	422
	313	1.38½	1	295	295	409	409	0.94	434
	313	1.50	1	312	312	468	468	1.00	470
Total .....	313	1.40	4	1,154	289	1,615	404	3.69	438
Teamsters .....	313	1.35	5	326	65	440	88	1.04	422
	313	1.38½	6	450	75	652	109	1.44	454
	313	1.50	2	17	9	25	13	0.05	460
Total .....	313	1.41	13	793	61	1,117	86	2.53	441
Timekeeper .....	313	2.00	1	211	211	426	426	0.67	632
Warehousemen .....	313	1.45	4	794	199	1,148	287	2.54	453
	313	1.70	2	634	317	1,053	527	2.03	520
Total .....	313	1.54	6	1,428	238	2,201	367	4.57	482
Watchmen .....	313	1.50	2	560	280	840	420	1.79	470
	313	1.60	2	730	365	1,154	577	2.33	495
	313	1.66	1	229	229	380	380	0.73	519
	313	1.75	1	284	284	496	496	0.91	547
	313	1.84½	1	229	229	423	423	0.73	578
	313	2.25	1	200	200	451	451	0.64	706
Total .....	313	1.67½	8	2,232	279	3,744	468	7.13	525
Water boy .....	313	.80	1	36	36	29	29	0.12	252
Weighmasters .....	313	1.50	2	448	224	672	336	1.43	470
	313	2.00	1	319	319	637	637	1.02	625
Total .....	313	1.70½	3	767	256	1,309	436	2.45	534
The establishment .....	.....	(b)	(b)	(b)	(b)	291,077	(b)	(b)	(b)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for reasons shown in the preceding footnotes.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Ashmen .....	313	\$1.25	2	14	7	\$18	\$9	0.04	\$402
Ashman and fireman .....	313	1.33½	1	9	9	12	12	0.03	417
Blacksmiths .....	313	2.50	1	256	256	641	641	0.82	784
	313	2.70	1	294	294	793	793	0.94	844
	313	3.25	3	303	101	984	328	0.97	1,016
Total .....	313	2.83½	5	853	171	2,418	484	2.73	887
Blacksmiths' helpers .....	313	1.50	2	565	283	848	424	1.81	470
Boilermaker .....	313	2.25	1	8	8	18	18	0.03	704
Bolt-cutter .....	313	1.60	1	312	312	500	500	1.00	502
Buggymen .....	313	1.56	1	205	205	320	320	0.65	489
	313	2.05½	2	356	178	731	366	1.14	643
Total .....	313	1.87½	3	561	187	1,051	350	1.79	586
Bundlers and shippers .....	313	1.25	5	1,256	251	1,569	314	4.01	391
Call boy .....	313	1.37½	1	276	276	380	380	0.83	431
Carpenter .....	313	2.50	1	303	303	759	759	0.97	784
Catchers .....	313	1.49½	4	539	135	806	202	1.72	468
	313	1.65	2	237	119	391	196	0.76	516
	313	2.19	2	491	246	1,076	538	1.57	686
Total .....	313	1.79½	8	1,267	158	2,273	284	4.05	562
Catcher and drag-out .....	313	1.48½	1	161	161	239	239	0.51	465
Catcher and drawer-back .....	313	1.30½	1	80	80	109	109	0.26	426
Catcher and hooker .....	313	1.36½	1	206	206	281	281	0.66	427
Catchers and laborers .....	313	1.46	2	403	202	588	294	1.29	457
Catchers and roughers .....	313	1.90	2	318	159	604	302	1.02	595
	313	2.32½	1	141	141	328	328	0.45	728
	313	2.53½	1	252	252	639	639	0.81	794
Total .....	313	2.21	4	711	178	1,571	393	2.28	692
Chargers .....	313	1.45	8	648	81	939	117	2.07	454
Chargers and laborers .....	313	1.37½	4	213	53	293	73	0.68	431
Cleaner, office .....	313	.57½	1	313	313	180	180	1.00	180
Cranemen .....	313	1.50	2	327	164	502	251	1.04	481
	313	3.00	1	294	294	879	879	0.94	936
Total .....	313	2.22½	3	621	207	1,381	460	1.98	696
Craneman and laborer .....	313	1.59	1	68	68	108	108	0.22	497
Drawer-back .....	313	1.36½	1	253	253	345	345	0.81	427
Drawer-back and scraper .....	313	1.16	1	237	237	275	275	0.76	363
Drill-grinder .....	313	1.83½	1	12	12	22	22	0.04	574
Drill-grinder's helper .....	313	1.18	1	11	11	13	13	0.04	370
Engineers, locomotive .....	313	1.96	1	24	24	47	47	0.08	613
	313	2.15	1	287	287	617	617	0.92	673
Total .....	313	2.13½	2	311	156	664	332	1.00	668
Engineers, machine shop .....	313	1.76½	2	312	156	551	276	1.00	553
Engineers, rolls .....	313	1.91½	4	1,218	305	2,334	584	3.89	600
	313	2.25	2	684	342	1,539	770	2.19	704
Total .....	313	2.03½	6	1,902	317	3,873	616	6.08	637



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employes.	Days of work done.		Earnings.		Necessary employes.	Consequent average earnings per employe.
				Total.	Average.	Total.	Average.		
Engineer and laborer .....	313	\$1.45½	1	11	11	\$16	\$16	0.04	\$455
Firemen .....	313	1.65	4	638	160	1,059	265	2.04	520
	313	1.90	3	1,013	338	1,925	642	3.24	595
Total .....	313	1.80½	7	1,651	236	2,984	426	5.28	566
Fireman and laborer .....	313	1.51½	1	29	29	44	44	0.09	475
Foremen, laborers .....	313	1.50	1	179	179	269	269	0.57	470
	313	1.62½	2	308	154	500	250	0.98	508
Total .....	313	1.58	3	487	162	769	256	1.55	494
Foremen, mill .....	313	6.13½	1	313	313	1,920	1,920	1.00	1,920
	313	7.98½	1	313	313	2,500	2,500	1.00	2,500
Total .....	313	7.06	2	626	313	4,420	2,210	2.00	2,210
Foreman, shear room .....	313	4.25	1	306	306	1,300	1,300	0.98	1,330
Gatemen .....	313	1.00	3	691	230	697	232	2.21	316
Heaters .....	313	3.38½	1	271	271	917	917	0.87	1,059
	313	3.78½	1	229	229	867	867	0.73	1,185
	313	4.00	1	2	2	8	8	0.01	1,252
	313	4.30½	1	173	173	745	745	0.55	1,348
	313	4.58	1	177	177	811	811	0.57	1,434
	313	4.77½	4	641	160	3,061	765	2.05	1,495
	313	4.98½	1	203	203	1,012	1,012	0.65	1,560
Total .....	313	4.37½	10	1,696	170	7,421	742	5.43	1,370
Heaters' helpers .....	313	1.72½	4	355	89	612	153	1.13	540
	313	1.99½	2	429	215	856	428	1.37	625
	313	2.15	4	844	211	1,816	454	2.70	673
	313	2.36	1	183	183	432	432	0.58	739
	313	2.91	3	536	179	1,560	520	1.71	911
Total .....	313	2.25	14	2,347	168	5,276	377	7.49	704
Heaters' helpers and laborers ..	313	1.66½	2	246	123	409	205	0.79	520
Hookers .....	313	1.54	3	504	168	776	259	1.61	482
Hookers and straighteners .....	313	1.01½	4	564	141	573	143	1.80	318
Hookers-in .....	313	2.14	5	1,047	209	2,240	448	3.35	670
Hookers-up .....	313	2.00	4	970	243	1,940	485	3.10	626
Keeper-up and lighter-up .....	313	2.11½	1	313	313	662	662	1.00	662
Laborers .....	313	.75	9	949	105	708	79	3.03	234
	313	.85	3	227	76	190	63	0.73	262
	313	1.00	1	11	11	11	11	0.04	313
	313	1.25	111	7,234	65	9,086	82	23.11	393
	313	1.35	12	988	82	1,304	109	3.16	413
	313	1.40	4	390	98	547	137	1.25	439
	313	1.50	9	877	97	1,306	145	2.80	466
	313	1.62½	1	25	25	41	41	0.08	513
	313	1.75	3	391	130	686	229	1.25	549
	313	2.25	2	386	193	873	437	1.23	708
	313	2.75	1	17	17	47	47	0.05	865
	313	3.00	1	317	317	957	957	1.01	945
Total .....	313	1.33½	157	11,812	75	15,756	100	37.74	418
Laborer and masons' helper ..	313	1.39½	1	314	314	438	438	1.00	437
Laborers and platemen .....	313	1.42½	3	97	32	138	46	0.31	445
Laborer and straightener .....	313	1.13	1	31	31	35	35	0.10	353
Laborer and water tender .....	313	1.59½	1	27	27	43	43	0.09	498



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ-és.	Days of work done.		Earnings.		Necessary employ-és.	Consequent average earnings per employ-é.
				Total.	Average.	Total.	Average.		
Lathemen .....	313	\$1.50	1	288	288	\$432	\$132	0.92	\$470
	313	1.75	1	247	247	432	432	0.79	547
Total .....	313	1.61½	2	535	268	864	432	1.71	565
Machinists.....	313	1.87½	1	311	311	586	586	0.99	596
	313	2.00	1	29	29	58	58	0.99	626
	313	2.25	3	61	20	138	46	0.19	708
	313	2.45	2	29	15	71	36	0.09	766
	313	2.50	2	602	301	1,504	752	1.92	782
	313	2.75	1	314	314	862	862	1.00	859
Total .....	313	2.39	10	1,346	135	3,219	322	4.28	749
Machinists' helpers.....	313	.50	3	289	96	151	50	0.92	164
	313	1.00	1	242	242	252	252	0.77	326
	313	1.16	1	292	292	338	338	0.93	362
Total .....	313	.90	5	823	165	741	148	2.62	282
Masons .....	313	3.25	1	44	44	142	142	0.14	1,010
	313	3.80	1	229	229	871	871	0.73	1,190
	313	4.00	1	8	8	32	32	0.03	1,252
Total .....	313	3.72	3	281	94	1,045	348	0.90	1,164
Masons' helper .....	313	1.50	1	65	65	98	98	0.21	472
Master mechanic .....	313	3.26	1	215	215	701	701	0.69	1,021
Patternmaker .....	313	2.00	1	209	209	419	419	0.67	627
Pipe fitters .....	313	1.75	2	28	14	50	25	0.09	559
	313	3.10½	1	309	309	960	960	0.99	972
Total .....	313	2.99½	3	337	112	1,010	337	1.08	938
Platemen .....	313	1.65	26	3,154	121	5,191	200	10.08	515
Plateman and straightener ..	313	1.18	1	50	50	59	59	0.16	369
Policemen .....	313	1.50	7	1,085	155	1,626	232	3.47	469
Porter .....	313	1.48	1	356	356	527	527	1.14	463
Pullers-out .....	313	1.43	9	1,122	125	1,603	178	3.58	447
Pullers-out and rougher .....	313	1.77	1	153	153	271	271	0.49	554
Pumpmen .....	313	1.62½	2	8	4	13	7	0.03	509
Rigger.....	313	1.69½	1	66	66	112	112	0.21	531
Roll turners .....	313	2.50	1	281	281	702	702	0.90	782
	313	2.60	1	5	5	13	13	0.02	814
	313	4.00	1	299	299	1,196	1,196	0.96	1,252
Total .....	313	3.26½	3	585	195	1,911	637	1.88	1,022
Rollers .....	313	4.29½	1	197	197	846	846	0.63	1,344
	313	5.00	1	143	143	713	713	0.46	1,561
	313	5.15	1	336	336	1,730	1,730	1.07	1,612
	313	6.25½	1	244	244	1,526	1,526	0.78	1,958
	313	6.75	2	265	133	1,790	895	0.85	2,114
Total .....	313	5.57½	6	1,185	198	6,605	1,101	3.79	1,745
Rollers' helpers.....	313	2.89½	2	511	256	1,480	740	1.63	907
Roughers.....	313	2.14½	2	371	186	795	398	1.19	671
	313	2.93	4	802	201	2,349	587	2.56	917
Total .....	313	2.68	6	1,173	196	3,144	524	3.75	839

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## O.—Mixed Iron and Steel: UNITED STATES—Concluded.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Roughers-down.....	313	\$2.85½	2	464	232	\$1,324	\$602	1.48	\$893
Roughers-up.....	313	2.48½	2	505	253	1,254	627	1.61	777
Scraper.....	313	.99	1	118	118	117	117	0.38	310
Shearmen.....	313	1.37½	7	673	96	922	132	2.15	429
	313	1.50	1	204	204	306	306	0.65	470
	313	1.75	1	199	199	348	348	0.64	547
Total.....	313	1.46½	9	1,076	120	1,576	175	3.44	458
Shippers.....	313	1.80	1	15	15	27	27	0.05	563
	313	2.11	1	312	312	659	659	1.00	661
	313	2.91	1	309	309	900	900	0.99	912
Total.....	313	2.49½	3	636	212	1,586	529	2.04	781
Stampers.....	313	.67½	2	297	149	200	100	0.95	211
Stockers.....	313	1.25	1	243	243	304	304	0.78	392
	313	1.65	1	315	315	521	521	1.01	518
Total.....	313	1.48	2	558	279	825	413	1.79	463
Straighteners.....	313	.82½	17	1,821	107	1,498	88	5.82	257
	313	.87	7	425	61	370	53	1.36	272
	313	1.00	11	365	33	370	34	1.17	317
	313	1.30	2	212	106	274	137	0.68	405
	313	1.35	2	196	93	264	132	0.63	422
Total.....	313	.92	39	3,019	77	2,776	71	9.66	288
Sweepers.....	313	.75	1	16	16	12	12	0.05	235
	313	1.08½	2	83	42	90	45	0.27	339
	313	1.25	1	243	243	306	306	0.78	394
Total.....	313	1.19½	4	342	86	408	102	1.10	373
Switchmen.....	313	1.62½	2	296	148	486	243	0.95	514
Timekeepers.....	313	2.50	2	622	311	1,560	780	1.99	785
Water boys.....	313	1.25	4	853	213	1,067	267	2.73	392
Water tenders.....	313	1.62	3	638	213	1,034	345	2.04	507
Wheelman.....	313	1.58½	1	240	240	380	380	0.77	496
The establishment.....		1.92	461	58,578	127	112,447	244	187.28	601

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE.

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Cinder loaders.....	77	\$0.51½	2	156	78	\$80	\$40	2.03	\$39
	77	.76½	1	64	64	49	49	0.83	59
Total.....	77	.58½	3	220	73	129	43	2.86	45
Dumpers.....	77	.62½	2	147	74	92	46	1.91	48
Firemen.....	77	.79½	2	143	72	114	57	1.86	61
Foremen.....	77	.69	1	13	13	9	9	0.17	53
	77	.73½	1	38	38	28	28	0.49	57
	77	.93	1	71	71	66	66	0.92	72
	77	1.23	3	210	72	266	89	2.81	95
	77	1.60	1	73	73	117	117	0.95	123
Total.....	77	1.18	7	411	59	486	69	5.34	91

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No.—. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Foreman, laborers .....	77	\$0.77½	1	72	72	\$56	\$56	0.94	\$60
Foremen, puddlers.....	77	.58	1	71	71	41	41	0.92	44
	77	.79	1	71	71	56	56	0.92	61
	77	1.25½	2	145	73	182	91	1.88	97
Total .....	77	.97	4	287	72	279	70	3.72	75
Foremen, repairers .....	77	1.66½	2	160	80	266	133	2.08	128
Foremen, warehouse.....	77	.93	1	71	71	66	66	0.92	72
	77	1.38	1	74	74	102	102	0.96	106
Total .....	77	1.16	2	145	73	168	84	1.88	89
Hammermen.....	77	1.02	3	205	68	209	70	2.66	79
Heaters.....	77	.66	1	65	65	42	42	0.84	50
	77	.94½	1	60	60	57	57	0.78	73
	77	1.01	1	53	53	54	54	0.69	78
	77	1.68½	2	83	42	140	70	1.08	130
Total .....	77	1.12½	5	261	52	293	59	3.39	86
Hookers-up .....	77	.32	3	199	66	64	21	2.58	25
	77	.77½	1	90	90	70	70	1.17	60
Total .....	77	.46½	4	289	72	134	34	3.75	36
Hot-bed bands.....	77	.42	2	91	46	38	19	1.18	32
Inspectors, plank.....	77	.44½	1	18	18	8	8	0.23	34
	77	.72½	1	68	68	49	49	0.88	55
Total .....	77	.66½	2	86	43	57	29	1.11	51
Laborers.....	77	.58	6	424	71	245	41	5.51	44
	77	.80½	1	68	68	55	55	0.88	62
Total .....	77	.61	7	492	70	300	43	6.39	47
Metal carrier .....	77	.31	1	69	69	21	21	0.90	23
Pilers.....	77	.70½	3	153	51	108	36	1.99	54
Piler, chief.....	77	.95½	1	75	75	71	71	0.97	73
Pilers' helpers .....	77	.38½	1	74	74	29	29	0.96	30
Puddlers.....	77	1.08	11	651	59	702	64	8.45	83
Puddlers' helpers.....	77	.77½	5	276	55	214	43	3.58	60
	77	1.00	2	120	60	120	60	1.56	77
Total .....	77	.84½	7	396	57	334	48	5.14	65
Rollers .....	77	.56	2	75	38	42	21	0.97	43
	77	.63½	1	61	61	39	39	0.79	49
	77	.72½	2	106	53	77	39	1.38	56
	77	.91	3	223	74	203	68	2.90	70
	77	1.39½	1	64	64	89	89	0.83	107
Total .....	77	.85	9	529	59	450	50	6.87	66
Shearmen.....	77	.63½	3	240	80	152	51	3.12	49
	77	.85½	2	110	55	94	47	1.43	66
Total .....	77	.70½	5	350	70	246	49	4.55	54

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Shearmen's helper.....	77	\$0.24	1	81	81	\$19	\$19	1.05	\$18
Watchman.....	77	.58	1	84	84	49	49	1.09	45
Weighmen.....	77	.50	1	73	73	36	36	0.95	38
	77	.58	1	69	69	40	40	0.90	45
	77	.63½	4	327	82	207	52	4.25	49
Total .....	77	.60½	6	460	78	283	47	6.10	46
The establishment.....	.....	.83	92	5,940	65	4,933	54	77.14	64

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Blacksmiths .....	313	\$0.46	21	3,152	150	\$1,452	\$69	10.07	\$144
	313	.62½	6	1,425	238	889	148	4.55	195
Total .....	313	.51	27	4,577	170	2,341	87	14.62	160
Boiler tenders.....	313	.79½	9	2,685	208	2,129	237	8.53	248
	313	.94	1	314	314	295	295	1.00	294
Total .....	313	.81	10	2,999	300	2,424	242	9.58	253
Boilersmiths .....	313	.71	2	609	305	431	216	1.95	222
Buggyman.....	313	.57½	1	170	170	98	98	0.54	180
Bundlers.....	313	.32½	6	993	166	324	54	3.17	102
	313	.46½	2	540	270	250	125	1.73	145
	313	.68½	1	294	294	202	202	0.94	215
Total .....	313	.42½	9	1,827	203	776	86	5.84	133
Carpenters.....	313	.51	7	1,025	146	521	74	3.27	150
Catchers.....	313	.48	1	25	25	12	12	0.08	150
	313	.88	9	2,277	253	2,005	222	7.27	276
	313	1.03½	5	1,334	267	1,382	276	4.26	324
Total .....	313	.93½	15	3,636	242	3,399	227	11.61	293
Cinder loader .....	313	.19½	1	238	238	46	46	0.76	60
Cinder wheelers .....	313	.48½	7	2,095	299	1,021	146	6.69	153
Coal wheelers.....	313	.44	12	3,009	251	1,325	110	9.61	138
Drag-outs.....	313	.54½	22	4,818	219	2,623	119	15.39	170
	313	.67½	13	3,401	262	2,301	177	10.87	212
Total .....	313	.60	35	8,219	235	4,924	141	26.26	188
Driver.....	313	.54	1	139	139	75	75	0.44	160
Engineers .....	313	.78½	7	2,135	305	1,671	239	6.82	245
	313	1.00	2	604	302	604	302	1.93	313
Total .....	313	.83	9	2,739	304	2,275	253	8.75	260
Engineer, mechanical.....	313	3.29	1	313	313	1,029	1,029	1.00	1,029
Engineer, mechanical, assist- ant.....	313	1.21	1	313	313	378	378	1.00	378
Finishers .....	313	.43	5	1,428	286	617	123	4.56	135



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Foreman.....	313	\$2.39½	1	313	313	\$750	\$750	1.00	\$750	
Foreman, laborers.....	313	.96	1	343	343	329	329	1.10	300	
Foreman, masons.....	313	2.21	1	313	313	692	692	1.00	692	
Foremen, pnddlers.....	313	1.46½	1	313	313	458	458	1.00	458	
	313	1.69½	1	313	313	530	530	1.00	530	
Total.....	313	1.58	2	626	313	988	494	2.00	494	
Foremen, rollers.....	313	1.42	1	313	313	444	444	1.00	444	
	313	1.81	1	313	313	566	566	1.00	566	
	313	2.18	1	313	313	683	683	1.00	683	
Total.....	313	1.80½	3	939	313	1,693	564	3.00	564	
Foreman, works.....	313	4.07½	1	313	313	1,276	1,276	1.00	1,276	
Foreman, works, assistant.....	313	1.82½	1	313	313	571	571	1.00	571	
Greaser.....	313	.72½	1	274	274	199	199	0.88	227	
Hammer tenders.....	313	.85½	6	1,840	307	1,575	263	5.88	268	
Hammersmiths.....	313	.34	1	252	252	86	86	0.81	107	
	313	.88½	3	400	133	353	118	1.28	276	
	313	1.17	7	1,528	218	1,791	256	4.88	367	
Total.....	313	1.02½	11	2,180	198	2,230	203	6.97	320	
Heaters.....	313	.71	26	5,800	223	4,132	159	18.53	223	
	313	.89	5	1,140	228	1,012	202	3.64	278	
	313	1.14	22	5,368	244	6,114	278	17.15	356	
Total.....	313	.91½	53	12,308	232	11,258	212	39.32	286	
Heaters' helpers.....	313	.42	8	1,940	243	810	101	6.20	131	
Helpers.....	313	.35½	103	13,440	131	4,788	46	42.94	112	
Hookers.....	313	.49½	7	1,529	218	758	108	4.88	155	
	313	.69	8	2,078	260	1,436	180	6.64	216	
	313	.92	1	279	279	256	256	0.89	287	
Total.....	313	.63	16	3,866	243	2,450	153	12.41	197	
Hostler.....	313	.40	1	347	347	139	139	1.11	125	
Iron breakers.....	313	.34½	1	67	67	23	23	0.21	107	
	313	.60½	1	71	71	43	43	0.23	190	
Total.....	313	.48	2	138	69	66	33	0.44	150	
Iron loaders.....	313	.55½	21	5,747	274	3,192	152	18.36	174	
Iron wheelers.....	313	.42½	10	1,501	150	640	64	4.80	133	
	313	.62	5	318	64	107	39	1.02	194	
Total.....	313	.46	15	1,819	121	837	56	5.82	144	
Joiners.....	313	.56	1	310	310	174	174	0.99	176	
	313	.83½	1	322	322	269	269	1.03	261	
Total.....	313	.70	2	632	316	443	222	2.02	219	
Laborers.....	313	.26	51	8,665	170	2,273	45	27.68	82	
	313	.47	28	2,303	82	1,085	30	7.36	147	
	313	.69	1	61	61	42	42	0.19	216	
Total.....	313	.31	80	11,029	138	3,400	43	35.23	96	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborer and puddler.....	313	\$0.40½	1	284	284	\$132	\$132	0.91	\$145
Locksmiths.....	313	.59½	11	1,584	144	945	86	5.06	187
	313	.93½	1	338	338	316	316	1.08	293
Total.....	313	.65½	12	1,922	160	1,261	105	6.14	205
Masons.....	313	.56	9	2,139	238	1,199	133	6.83	175
Masons' helpers.....	313	.22½	13	2,889	222	657	51	9.23	71
Messenger.....	313	.60½	1	332	332	201	201	1.06	189
Overseers.....	313	.58½	2	473	237	254	127	1.51	168
Puddlers.....	313	.47½	11	388	35	185	17	1.24	149
	313	.75	63	12,186	193	9,133	145	38.93	235
	313	.81	44	10,139	230	8,225	187	32.39	254
	313	.86½	23	5,625	245	4,857	211	17.97	270
	313	.94	6	1,440	240	1,351	225	4.60	294
	313	.99	11	2,553	232	2,525	230	8.16	310
	313	1.18½	50	11,555	231	13,709	274	36.92	371
	313	1.34½	5	1,272	254	1,708	342	4.06	420
Total.....	313	.92½	213	45,158	212	41,693	196	144.27	283
Pumpmen.....	313	.46	5	1,267	253	585	117	4.05	145
Rollers.....	313	.51	10	2,335	234	1,191	119	7.46	160
	313	.77	15	3,525	235	2,718	181	11.26	241
Total.....	313	.66½	25	5,860	234	3,909	156	18.72	209
Roughers.....	313	.52	2	560	280	290	145	1.79	162
	313	.95	4	996	249	945	236	3.18	297
	313	1.12	6	1,698	283	1,901	317	5.42	350
	313	1.34	3	817	272	1,093	364	2.61	419
Total.....	313	1.04	15	4,071	271	4,229	282	13.00	325
Sawyers.....	313	.61½	3	906	302	559	186	2.89	193
Shearmen.....	313	.49	19	3,466	182	1,699	89	11.07	153
	313	.58	3	888	296	517	172	2.84	182
Total.....	313	.51	22	4,354	198	2,216	101	13.91	159
Slag loaders.....	313	.19½	9	1,905	212	363	41	6.09	60
Slag wheelers.....	313	.43½	4	1,054	264	460	115	3.37	137
Turners.....	313	.72	5	896	179	647	129	2.86	226
	313	.93½	1	306	306	286	286	0.98	293
Total.....	313	.77½	6	1,202	200	933	156	3.84	243
Watchmen.....	313	.32½	4	1,140	285	369	92	3.64	101
Weighmen.....	313	.64	13	2,217	171	1,421	109	7.08	201
The establishment.....	.....	.71	829	169,249	204	119,812	145	540.70	222

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

## ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total	Aver- age.	Total	Aver- age.		
Blacksmith .....	92	\$1.19	1	92	92	\$109	\$109	1.00	\$109
Boiler cleaners .....	92	.32	1	92	92	29	29	1.00	29
	92	.75	1	106	106	80	80	1.15	69
Total .....	92	.55	2	198	99	109	55	2.15	51
Bundle carriers .....	92	.14	7	222	32	32	5	2.41	13
	92	.25	1	4	4	1	1	0.04	23
	92	.47	10	447	45	212	21	4.86	44
	92	.52	3	153	51	80	27	1.66	48
	92	.54	3	52	17	28	9	0.57	50
Total .....	92	.40	24	878	37	353	15	9.54	37
Bundle carrier and heaters' helper ..	92	.56	1	52	52	29	29	0.57	51
Carpenter .....	92	.68	1	92	92	62	62	1.00	62
Catchers .....	92	.58	5	346	69	200	40	3.76	53
	92	.62	3	199	66	123	41	2.16	57
	92	.65½	1	77	77	50	50	0.84	60
	92	.67½	3	187	62	125	42	2.03	61
	92	.70½	2	145	73	102	51	1.58	65
	92	.74½	1	65	65	47	47	0.71	67
	92	.79	1	9	9	7	7	0.10	72
Total .....	92	.63½	16	1,028	64	654	41	11.18	59
Chargers .....	92	.47	15	468	31	221	15	5.09	43
	92	.49	1	82	82	40	40	0.89	45
	92	.50	1	40	40	20	20	0.43	46
	92	.52½	10	91	9	48	5	0.99	49
	92	.58	9	286	32	165	18	3.11	53
	92	.62	1	63	63	39	39	0.68	57
	92	.72	6	25	4	18	3	0.27	66
	92	.73½	2	77	30	57	29	0.84	68
	92	.81½	2	81	41	66	33	0.88	75
	92	.83½	3	18	6	15	5	0.20	77
	92	1.00	1	1	1	1	1	0.01	92
Total .....	92	.56	51	1,232	24	690	14	13.39	52
Chargers and heaters .....	92	1.20	2	156	78	187	94	1.70	110
Charger and heaters' helper ..	92	.69	1	58	58	40	40	0.63	63
Chemist, assistant .....	92	.46½	1	92	92	43	43	1.00	43
Cleaner .....	92	.58	1	92	92	53	53	1.00	53
Coal igniter .....	92	.72	1	39	39	28	28	0.42	66
Coal suppliers .....	92	.48	4	175	44	84	21	1.90	44
Craneman .....	92	.26	1	82	82	21	21	0.89	24
Cutters .....	92	.44	5	311	62	140	28	3.38	41
Door boys .....	92	.14½	28	1,168	42	169	6	12.70	13
	92	.19½	7	152	22	29	4	1.65	18
	92	.21	1	65	65	14	14	0.71	20
	92	.28	5	82	10	23	5	0.89	26
	92	.31	2	15	8	5	3	0.16	31
Total .....	92	.47	1	59	59	28	28	0.64	44
Total .....	92	.17½	44	1,541	35	268	6	16.75	16
Door boy and straightener ..	92	.33½	1	15	15	5	5	0.16	31
Doorkeeper .....	92	.63½	1	98	98	61	61	1.07	57
Dumper .....	92	.23½	1	92	92	21	21	1.00	21



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Elevator tenders.....	92	\$0.21	1	88	88	\$19	\$19	0.96	\$20
	92	.26	3	167	56	43	14	1.82	24
	92	.28	2	161	81	45	23	1.75	26
	92	.33	3	150	50	49	16	1.63	30
	92	.35½	1	31	31	11	11	0.34	33
Total.....	92	.28	10	597	60	167	17	6.50	26
Engineers.....	92	.26	2	138	69	36	18	1.50	24
	92	.48	4	170	43	82	21	1.85	44
	92	.49	1	92	92	45	45	1.00	45
	92	.50	4	365	91	185	46	3.97	47
	92	.53	4	168	42	89	22	1.83	49
	92	.54	3	262	87	142	47	2.85	50
	92	.57	3	282	94	158	53	3.07	52
	92	.58	2	183	92	108	54	1.99	54
Total.....	92	.51	23	1,660	72	845	37	18.06	47
Examiner.....	92	.42	1	92	92	39	39	1.00	39
Fillers.....	92	.48	44	2,730	62	1,303	30	29.67	44
	92	.51	9	675	75	331	37	7.34	45
	92	.52	9	673	75	350	39	7.32	48
	92	.54	2	216	108	118	59	2.35	50
	92	.56	2	198	99	110	55	2.15	51
	92	.59	1	88	88	52	52	0.96	54
	92	.66	1	109	109	71	71	1.18	60
Total.....	92	.50	68	4,689	69	2,335	34	50.97	46
Finishers.....	92	.34	2	148	74	50	25	1.61	31
	92	.39	1	26	26	10	10	0.28	35
	92	.41	4	103	26	43	11	1.12	38
	92	.44	16	933	58	422	26	10.14	42
	92	.48	4	187	47	90	23	2.03	44
	92	.52	4	330	83	172	43	3.59	48
	92	.58	7	553	79	319	46	6.01	53
	92	.59	1	29	29	17	17	0.32	54
Total.....	92	.48½	39	2,309	59	1,123	29	25.10	45
Firemen.....	92	.52	5	373	75	193	39	4.05	48
	92	.54	2	55	28	30	15	0.60	50
	92	.56	1	47	47	26	26	0.51	51
	92	.58	2	67	34	39	20	0.73	54
	92	.64	2	182	91	116	58	1.98	59
Total.....	92	.56	12	724	60	404	34	7.87	51
Foremen.....	92	.79	1	92	92	72	72	1.00	72
	92	.95	3	184	61	174	58	2.00	87
Total.....	92	.89	4	276	69	246	62	3.00	82
Foremen, laborers.....	92	.47½	1	92	92	43	43	1.00	43
	92	.54	1	92	92	40	40	1.00	49
	92	.61	1	80	80	48	48	0.87	55
	92	.68	1	87	87	59	59	0.95	62
	92	.82½	1	92	92	75	75	1.00	75
Total.....	92	.62	5	443	89	274	55	4.82	57
Foreman, transportation.....	92	1.33½	1	3	3	4	4	0.03	123



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel; CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Heaters.....	92	\$0.77½	6	137	23	\$106	\$18	1.49	\$71
	92	1.00½	15	885	59	891	59	9.62	93
	92	1.35	10	594	59	802	80	6.46	124
	92	1.70	4	151	38	257	64	1.64	157
Total .....	92	1.16½	35	1,767	50	2,056	59	19.21	107
Heaters' helpers .....	92	.63½	21	1,024	49	652	31	11.13	59
	92	.68½	3	48	16	33	11	0.52	63
	92	.73½	14	837	60	617	44	9.10	68
	92	.75	3	63	54	122	41	1.77	69
	92	.77½	3	186	62	144	48	2.02	71
	92	.80	1	67	67	54	54	0.73	74
	92	.87	2	74	37	64	32	0.80	80
Total .....	92	.70½	47	2,399	51	1,686	36	26.07	65
Hookers-up.....	92	.44	1	68	68	30	30	0.74	41
	92	.46	2	56	28	26	13	0.61	43
	92	.50	11	412	37	207	19	4.48	46
	92	.53	3	78	26	41	14	0.85	48
	92	.58	15	647	43	376	25	7.03	53
	92	.62	5	214	43	131	26	2.33	56
	92	.66	2	17	9	11	6	0.18	60
	92	.74	2	23	12	17	9	0.25	68
Total .....	92	.55½	41	1,515	37	839	20	16.47	51
Hot pilers .....	92	.44	5	292	58	130	26	3.17	41
Keepers .....	92	.48	1	19	19	9	9	0.21	44
	92	.52	9	758	84	395	44	8.24	48
	92	.59	3	280	93	165	55	3.04	54
	92	.65½	3	319	106	203	68	3.47	59
Total .....	92	.56	16	1,376	86	772	48	14.96	52
Keepers-up.....	92	.49	12	84	7	41	3	0.91	45
Laborers .....	92	.19	2	95	48	18	9	1.03	17
	92	.24	1	85	85	21	21	0.92	23
	92	.32	1	92	92	29	29	1.00	29
	92	.39	5	366	73	141	28	3.98	35
	92	.41	21	552	26	227	11	6.00	38
	92	.43	2	158	79	69	35	1.72	40
	92	.44	2	166	83	74	37	1.80	41
	92	.46	2	132	66	61	31	1.43	43
	92	.48	6	275	46	133	22	2.99	44
	92	.50	1	72	72	36	36	0.78	46
	92	.52	2	84	42	43	22	0.91	47
	92	.60	3	88	29	53	18	0.96	55
	92	.73½	2	15	8	11	6	0.16	67
	92	.79½	1	92	92	72	72	1.00	72
Total .....	92	.43½	51	2,272	45	988	19	24.68	40
Loaders.....	92	.25	1	8	8	2	2	0.09	23
	92	.41	8	593	74	247	31	6.45	38
	92	.44	47	2,085	44	953	20	22.66	42
	92	.48	9	642	71	308	34	6.98	44
	92	.50	1	2	2	1	1	0.02	46
Total .....	92	.45½	66	3,330	50	1,511	23	36.20	42
Markers .....	92	.19½	10	325	33	62	6	3.53	18
	92	.26	2	148	74	39	20	1.61	24
Total .....	92	.21½	12	473	39	101	8	5.14	20

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total	Aver- age.		
Masons .....	92	\$0.57	5	317	63	\$180	\$36	3.45	\$52
Masons' helpers .....	92	.43	5	334	67	143	29	3.63	39
Potters .....	92	.19½	2	76	38	15	8	0.83	18
	92	.25½	1	92	92	23	23	1.00	23
	92	.29	1	92	92	27	27	1.00	27
	92	.31½	2	184	92	58	29	2.00	29
	92	.00½	1	92	92	55	55	1.00	55
	92	.05	1	92	92	87	87	1.00	87
Total .....	92	.42	8	628	79	265	33	6.83	39
Repairers .....	92	.44	1	59	59	26	26	0.64	41
	92	.66	3	250	83	140	47	2.72	52
Total .....	92	.53½	4	309	77	166	42	3.36	49
Repairers, furnace .....	92	.52½	3	63	21	33	11	0.68	48
Rollers .....	92	.72½	1	71	71	51	51	0.77	66
	92	.74½	0	380	63	282	47	4.13	68
	92	.77	4	296	74	226	57	3.22	70
	92	.79	8	535	67	424	53	5.82	73
	92	.85	5	301	60	256	51	3.27	78
	92	.89	2	63	32	55	28	0.68	80
	92	.99½	2	153	77	151	76	1.66	91
	92	1.18½	3	155	52	182	61	1.68	108
Total .....	92	.83½	31	1,954	63	1,627	52	21.23	77
Roll turners .....	92	.90	5	341	68	307	61	3.71	83
Roll turners' apprentice .....	92	.23	1	75	75	17	17	0.82	21
Sandmen .....	92	.19½	15	570	38	110	7	6.20	18
Storekeepers .....	92	.41	1	92	92	38	38	1.00	38
	92	.74	1	92	92	68	68	1.00	68
Total .....	92	.57½	2	184	92	106	53	2.00	63
Straighteners .....	92	.26	4	204	51	52	13	2.22	23
	92	.29	1	73	73	21	21	0.79	26
	92	.31	2	13	7	4	2	0.14	28
	92	.34	8	229	29	77	10	2.49	31
	92	.41½	19	936	49	389	20	10.17	38
	92	.46	21	855	41	396	19	9.29	43
	92	.47	7	212	30	99	14	2.30	43
	92	.50	2	86	43	43	22	0.93	46
	92	.53	3	250	83	133	44	2.72	49
	92	.56	4	227	57	130	33	2.47	53
	92	.63½	3	127	42	61	27	1.38	59
	92	1.00	1	1	1	1	1	0.01	92
Total .....	92	.44½	75	3,213	43	1,426	19	34.91	41
Straighteners and weighmen .....	92	.32½	2	102	51	33	17	1.11	30
Watchmen .....	92	.33	1	92	92	30	30	1.00	30
	92	.51	1	92	92	46	46	1.00	46
	92	.54	1	92	92	49	49	1.00	49
	92	.58	1	91	91	53	53	0.99	54
	92	.63½	1	92	92	58	58	1.00	58
Total .....	92	.51½	5	459	92	236	47	4.99	47

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.	
			Different employ-és.	Days of work done.		Earnings.		Necessary employ-és.
				Total.	Average.	Total.	Average.	
Weighmen .....	92	\$0.19½	4	271	68	\$53	\$13	2.95
	92	.28	5	225	46	62	12	2.45
	92	.31½	9	136	15	43	5	1.48
	92	.34½	2	61	31	21	11	0.66
	92	.52½	5	19	4	10	2	0.21
	92	.58	5	375	76	317	43	4.08
	92	.60	4	379	95	227	57	4.12
Total .....	92	.43	34	1,406	43	633	19	15.95
The establishment.....		.53½	802	40,639	51	21,800	27	441.76

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Ashmen .....	313	\$0.46½	11	1,684	144	\$738	\$67	5.06	\$146
	313	.58½	1	182	182	106	106	0.58	182
Total .....	313	.48	12	1,766	147	844	70	5.04	150
Ashmen and cleaners.....	313	.36½	2	338	169	124	62	1.08	116
Ashman and fireman.....	313	.68½	1	236	236	162	162	0.75	215
Blacksmiths .....	313	.52½	14	3,932	281	2,059	147	12.56	164
	313	.65	1	383	383	249	249	1.22	203
Total .....	313	.53½	15	4,315	288	2,308	154	13.78	167
Blacksmiths' helpers .....	313	.36½	6	825	138	303	51	2.64	116
	313	.52½	3	728	243	382	127	2.33	164
Total .....	313	.44	9	1,553	173	685	76	4.97	138
Boiler tender .....	313	.77	1	259	259	198	198	0.83	239
Boilersmiths .....	313	.60	4	1,519	380	1,006	252	4.85	207
Bottom builders .....	313	.49	27	6,308	234	3,090	114	20.15	153
Bundlers .....	313	.37	10	2,221	222	826	83	7.10	116
Carpenters .....	313	.54½	5	1,619	324	884	177	5.17	171
Catchers .....	313	.84½	12	3,310	276	2,800	233	10.58	265
Chargers .....	313	.45½	2	537	269	244	122	1.72	142
Cleaners .....	313	.28½	4	1,172	293	335	84	3.74	89
Coke wheelers .....	313	.54	3	828	276	449	150	2.05	170
Convertermen .....	313	.60½	7	1,544	221	933	133	4.93	189
	313	.82	2	582	291	478	239	1.86	257
Total .....	313	.60½	9	2,126	236	1,411	157	6.79	208
Convertermen and filler .....	313	.55½	1	280	280	155	155	0.89	173
Cranemen .....	313	.58½	7	1,083	155	631	90	3.46	182
Dolomite breakers .....	313	.48	11	2,274	207	1,097	100	7.27	151
Dolomite wheelers.....	313	.34½	8	1,574	197	542	68	5.03	108
Drag-outs.....	313	.55½	21	4,359	208	2,417	115	13.93	174
	313	.67½	2	617	309	417	209	1.97	212
	313	.72½	1	307	307	223	223	0.98	227
Total .....	313	.58	24	5,283	220	3,057	127	16.88	181
Engineers .....	313	.63½	6	1,996	333	1,272	212	6.38	199
Engineer, blowing .....	313	.60½	1	361	361	250	250	1.15	217
Engineer, crane.....	313	.54½	1	118	118	64	64	0.38	170



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No.—. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Engineers, locomotive .....	313	\$0. 61	4	1, 200	300	\$733	\$183	3. 83	\$191
Engineers, pump .....	313	. 57½	2	528	264	304	152	1. 69	180
Engineer, stamping .....	313	. 47½	1	268	268	128	128	0. 86	149
Engineers, ventilator .....	313	. 55½	2	714	357	395	198	2. 28	173
Engineer, winding .....	313	. 35½	1	264	264	94	94	0. 84	111
Fillers .....	313	. 54½	12	2, 405	200	1, 314	110	7. 68	171
Finishers .....	313	. 45½	12	2, 605	217	1, 186	99	8. 32	143
	313	. 60	38	11, 438	301	6, 856	180	36. 54	189
	313	. 76½	3	870	290	667	222	2. 78	240
Total .....	313	. 58½	53	14, 913	281	8, 709	164	47. 64	183
Finishers' helper .....	313	. 26½	1	181	181	48	48	0. 58	83
Firemen, boiler .....	313	. 48½	27	6, 150	228	2, 991	111	19. 65	152
Foremen, bottom builders .....	313	. 74	2	488	244	361	181	1. 56	232
Foreman, carpenters .....	313	. 87	1	374	374	326	326	1. 19	273
Foreman, converters .....	313	. 53½	1	266	266	142	142	0. 85	167
Foreman, fillers .....	313	. 56½	1	175	175	99	99	0. 56	177
Foremen, laborers .....	313	. 71	2	699	350	498	249	2. 23	223
Foreman, locksmiths .....	313	. 80	1	329	329	263	263	1. 05	250
Foreman, machinists .....	313	. 76½	1	302	302	231	231	0. 96	239
Foreman, masons .....	313	. 67	1	141	141	94	94	0. 45	209
Foremen, plate cutters .....	313	. 80½	4	1, 308	327	1, 055	264	4. 18	252
Foreman, transportation .....	313	. 60½	1	41	41	25	25	0. 13	191
Founder .....	313	1. 08½	1	323	323	350	350	1. 03	339
Greasers .....	313	. 36½	9	1, 422	153	517	57	4. 54	114
Guttermen .....	313	. 54	1	308	308	166	166	0. 98	169
Hammer lifter .....	313	. 50	1	302	302	150	150	0. 96	155
Hammer tender .....	313	. 45½	1	356	356	163	163	1. 14	143
Hammersmiths .....	313	. 56½	2	727	364	411	206	2. 32	177
Heaters .....	313	. 54	60	12, 712	212	6, 839	114	40. 61	168
	313	. 70½	4	1, 130	283	796	199	3. 61	220
Total .....	313	. 55	64	13, 842	216	7, 635	119	44. 22	173
Hookers .....	313	. 62	38	9, 513	250	5, 915	156	30. 39	195
	313	. 75½	2	476	238	360	180	1. 52	237
Total .....	313	. 63	40	9, 989	250	6, 275	157	31. 91	197
Hooker and rollers' helper .....	313	. 62	1	209	209	130	130	0. 67	195
Ingot loaders .....	313	. 46	26	3, 957	152	1, 818	70	12. 64	144
Ingot wheeler .....	313	. 47½	1	167	167	79	79	0. 53	148
Iron loaders .....	313	. 55	6	1, 202	200	664	111	3. 84	173
Iron wheelers .....	313	. 54½	5	1, 124	225	611	122	3. 59	170
Joiner .....	313	. 62½	1	378	378	236	236	1. 21	195
Laborers .....	313	. 23½	11	2, 954	269	687	62	9. 44	73
	313	. 36	41	7, 496	183	2, 681	65	23. 95	112
	313	. 50½	10	2, 538	254	1, 285	129	8. 11	158
Total .....	313	. 36	62	12, 988	209	4, 653	75	41. 50	112
Levermen .....	313	. 54	6	1, 715	286	927	155	5. 48	189
	313	. 64	2	660	330	424	212	2. 11	201
Total .....	313	. 57	8	2, 375	297	1, 351	169	7. 59	178
Lime wheelers .....	313	. 55	5	1, 162	232	642	128	3. 71	173
Loaders .....	313	. 51½	12	2, 779	232	1, 434	120	8. 88	162
Locksmiths .....	313	. 57½	17	5, 189	305	2, 986	176	16. 58	180
Machinists .....	313	. 62	10	2, 413	241	1, 495	150	7. 71	194
Masons .....	313	. 52	15	3, 570	238	1, 850	123	11. 41	162
Masons' helpers .....	313	. 20½	13	2, 288	176	474	36	7. 31	65



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.**

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Melters .....	313	\$1.11	3	853	284	\$945	\$315	2.73	\$347
Messenger .....	313	.17½	1	304	304	53	53	0.97	55
Mixers .....	313	.49	6	1,798	300	882	147	5.74	154
Moulders .....	313	.49½	8	1,653	207	822	103	5.28	156
	313	.66	27	6,032	223	3,969	147	19.27	206
	313	.98½	10	2,402	240	2,365	237	7.67	308
Total .....	313	.71	45	10,087	224	7,156	159	32.22	222
Pig iron panmen .....	313	.63	8	2,205	276	1,390	174	7.04	197
	313	1.07	1	310	310	332	332	0.99	335
Total .....	313	.68½	9	2,515	279	1,722	191	8.03	214
Plate draughters .....	313	.78	3	1,062	354	831	277	3.39	245
Plate heaters .....	313	.69	2	621	311	428	214	1.98	216
Plate repairers .....	313	.53½	5	1,695	339	911	182	5.42	168
Plate sorter .....	313	.66	1	331	331	218	218	1.06	206
Roll table tenders .....	313	.48½	8	1,516	190	735	92	4.84	152
Rollers .....	313	.72	2	547	274	394	197	1.75	225
	313	1.13½	1	355	355	403	403	1.13	355
Total .....	313	.88½	3	902	301	797	266	2.88	277
Rollers' helpers .....	313	.60	3	922	307	551	184	2.95	187
Roughers .....	313	.90½	13	3,568	274	3,232	249	11.40	284
	313	1.07	6	1,731	289	1,850	308	5.53	335
Total .....	313	.96	19	5,299	279	5,082	267	16.93	300
Roughers' helper .....	313	.54	1	326	326	176	176	1.04	169
Saddler .....	313	.91½	1	90	90	82	82	0.29	285
Sample boys .....	313	.36	4	839	210	301	75	2.68	112
Sawyers .....	313	.59½	2	707	354	421	211	2.26	186
Screw setters .....	313	.48½	1	325	325	157	157	1.04	151
	313	.80	2	455	228	364	182	1.45	250
Total .....	313	.67	3	780	260	521	174	2.49	209
Shear boys .....	313	.36	4	791	198	284	71	2.53	112
Shearmen .....	313	.54	10	2,431	243	1,312	131	7.77	169
Shearmen's helpers .....	313	.52½	24	4,774	199	2,499	104	15.25	164
Slag wheeler .....	313	.52½	1	281	281	147	147	0.90	164
Slagmen .....	313	.55½	10	1,901	190	1,059	106	6.07	174
Stoppermaker .....	313	.67½	1	316	316	214	214	1.01	212
Stoppermaker's helper .....	313	.49½	1	280	280	188	138	0.89	154
Sweepers .....	313	.47½	3	419	140	199	66	1.34	149
Switchmen .....	313	.36	2	487	244	175	88	1.56	112
Transportmen .....	313	.43	38	6,135	161	2,651	70	19.60	135
	313	.59½	1	276	276	164	164	0.88	186
Total .....	313	.44	39	6,411	164	2,815	72	20.48	137
Turners .....	313	.66	4	1,003	251	661	165	3.20	206
Turners' helpers .....	313	.34	6	1,547	258	526	88	4.94	156
	313	.47½	4	861	215	407	102	2.75	148
Total .....	313	.38½	10	2,408	241	933	93	7.69	121

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. — —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total	Aver- age.	Total	Aver- age.			
Watchman.....	313	\$0.30½	1	366	366	\$145	\$145	1.17	\$124	
Weighmen.....	313	.68	2	603	302	409	205	1.98	212	
	313	.70½	1	302	302	231	231	0.96	239	
Total .....	313	.70½	3	905	302	640	213	2.89	221	
Welders .....	313	.74½	8	2,011	251	1,496	187	6.42	233	
	313	1.00	8	1,981	248	1,985	248	6.33	314	
Total .....	313	.87	16	3,992	250	3,481	218	12.75	278	
The establishment.....		.50½	842	196,304	233	110,848	132	627.12	177	

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Ashmen.....	79	\$0.77	2	103	52	\$79	\$40	1.30	\$61
Blacksmiths.....	79	.77	1	93	92	71	71	1.16	61
	79	.87	1	90	99	86	86	1.25	69
	79	1.10	1	99	99	109	109	1.25	87
Total.....	79	.91½	3	290	97	266	89	3.66	72
Blacksmiths' helpers.....	70	.60	1	47	47	28	28	0.59	47
	79	.77	1	16	16	12	12	0.20	59
Total.....	79	.63½	2	63	32	40	20	0.79	50
Boilerman.....	79	.87	1	89	89	77	77	1.13	68
Bundlers.....	79	.33	6	236	39	78	13	2.99	26
	79	.72	2	132	67	96	48	1.67	57
Total.....	79	.47	8	369	46	174	22	4.66	37
Carpenters.....	79	.67½	1	77	77	52	52	0.97	53
	79	.77	1	105	105	81	81	1.33	61
Total.....	79	.73	2	182	91	133	67	2.30	58
Coal wheelers.....	79	.53	2	156	78	83	42	1.97	42
Cutters.....	79	.61	8	487	61	304	38	6.16	49
	79	.95½	2	150	75	143	72	1.90	75
Total.....	79	.70	10	637	64	447	45	8.06	55
Engineers.....	79	.62½	1	117	117	73	73	1.48	49
	70	.67½	1	93	93	62	62	1.18	53
	79	.73½	1	71	71	52	52	0.90	58
Total.....	79	.66½	3	281	94	187	62	3.56	53
Foremen, mill.....	92	1.58½	1	92	92	145	145	1.00	145
	92	2.22	1	92	92	203	203	1.00	203
Total.....	92	1.89	2	184	92	348	174	2.00	174
Foremen, puddlers.....	92	1.43	1	92	92	130	130	1.00	130
	92	1.90½	1	92	92	174	174	1.00	174
Total.....	92	1.65	2	184	92	304	152	2.00	152

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## P.—Mixed Iron and Steel: CONTINENT OF EUROPE—Concluded.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total	Aver- age.	Total	Aver- age.		
Foreman, repairers .....	92	\$1.58½	1	92	92	\$145	\$145	1.00	\$145
Heaters.....	79	.98½	6	377	63	371	62	4.77	78
	79	1.60	2	127	64	203	102	1.61	126
	79	2.04½	2	149	75	305	153	1.80	162
Total .....	79	1.34½	10	653	65	879	88	8.27	106
Hookers-up.....	79	.35	8	428	55	153	19	5.54	28
	79	.77½	6	405	68	314	52	5.13	61
Total .....	79	.55½	14	843	60	467	33	10.67	44
Iron breakers.....	79	.68½	2	146	73	100	50	1.85	54
Iron wheelers .....	79	.77	1	75	75	58	58	0.95	61
	79	.82	1	75	75	62	62	0.95	65
	79	1.01½	1	75	75	76	76	0.95	80
Total .....	79	.87	3	225	75	196	65	2.85	69
Machinists .....	79	.72½	2	133	67	96	48	1.68	57
	79	.87	1	80	80	69	69	1.01	63
	79	.96½	1	85	85	81	81	1.08	75
	79	1.06	1	13	13	14	14	0.16	85
Total .....	79	.83½	5	311	62	260	52	3.93	66
Ore men .....	79	.55	2	129	65	71	36	1.63	43
Porter .....	92	.48½	1	92	92	44	44	1.00	44
Puddlers .....	79	1.04	23	976	42	1,015	44	12.35	82
	79	1.18	3	67	22	79	26	0.85	93
	79	1.32	19	972	51	1,283	68	12.30	104
Total .....	79	1.18	45	2,015	45	2,377	53	25.50	93
Rollers .....	79	1.09	7	431	62	469	67	5.46	86
	79	1.20½	4	286	72	345	86	3.62	95
	79	1.71	4	274	69	468	117	3.47	135
Total .....	79	1.29½	15	991	66	1,282	85	12.55	102
Straighteners .....	79	.68½	6	227	38	156	26	2.87	54
	79	.88½	2	141	71	125	63	1.78	70
Total .....	79	.76½	8	368	46	281	35	4.65	60
Sweepers .....	79	.23	2	113	57	26	13	1.43	18
Turners .....	79	.43½	1	90	90	39	39	1.14	34
	79	.62½	1	41	41	25	25	0.52	48
	79	.91½	1	92	92	84	84	1.16	72
Total .....	79	.60½	3	223	74	148	49	2.82	52
Warehouseman.....	92	.58	1	92	92	53	53	1.00	53
Water tenders .....	79	.68½	1	92	92	63	63	1.16	54
	79	.76½	1	93	93	68	68	1.18	58
Total .....	79	.71	2	185	93	131	60	2.34	56
Weighmen.....	79	.58	1	75	75	43	43	0.95	45
	79	.67½	1	71	71	48	48	0.90	53
Total .....	79	.62½	2	146	73	91	46	1.85	49
The establishment.....		.95	153	9,162	60	8,689	57	114.77	76



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN.

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Necessary employ- és.	Conse- quent average earnings per employ- é.
				Total.	Average.	Total.	Average.		
Ashmen .....	48	\$0.69	6	271	45	\$187	\$31	5.65	\$33
	48	.73	1	47	47	34	34	0.98	35
	48	.75	1	51	51	38	38	1.06	36
Total .....	48	.70	8	369	46	259	32	7.69	34
Ballers .....	48	.48 $\frac{1}{2}$	13	273	21	131	10	5.69	23
	48	.50 $\frac{1}{2}$	5	126	25	65	13	2.63	25
	48	.54 $\frac{1}{2}$	3	104	35	56	19	2.17	26
Total .....	48	.50	21	503	24	252	12	10.49	24
Bank cleaner .....	48	(a)	1	(a)	(a)	18	18	(a)	(n)
Blacksmiths .....	48	.71	2	88	44	63	32	1.83	34
	48	.73	1	52	52	38	38	1.08	35
	48	.81	2	99	50	81	41	2.06	39
	48	.85	1	70	70	60	60	1.46	41
Total .....	48	.78 $\frac{1}{2}$	6	309	52	242	40	6.43	38
Blacksmiths' strikers .....	48	.48 $\frac{1}{2}$	1	50	50	24	24	1.04	23
	48	.52 $\frac{1}{2}$	1	41	41	21	21	0.85	25
	48	.54 $\frac{1}{2}$	6	270	45	147	25	5.63	26
Total .....	48	.53	8	361	45	192	24	7.52	26
Bloomers .....	48	.75	2	108	54	81	41	2.25	36
	48	.77	4	151	38	116	29	3.15	37
	48	(a)	7	(a)	(a)	242	35	(a)	(a)
Total .....	48	(b)	13	(b)	(b)	439	34	(b)	(o)
Bloomer and roller .....	48	(a)	1	(a)	(a)	98	98	(a)	(a)
Bloomers' helpers .....	48	.54 $\frac{1}{2}$	1	34	34	18	18	0.71	25
	48	.59	1	39	39	23	23	0.81	28
Total .....	48	.56	2	73	37	41	21	1.52	27
Boiler cleaners .....	48	.61	3	93	31	56	19	1.94	29
Brandler .....	48	(a)	1	(a)	(a)	160	160	(a)	(n)
Carpenters .....	48	.64	1	39	39	25	25	0.81	31
	48	.71	2	140	70	99	50	2.92	34
	48	.81	1	62	62	50	50	1.29	39
Total .....	48	.72	4	241	60	174	44	5.02	35
Chippers and filers .....	48	.55	2	99	50	54	27	2.06	26
	48	(a)	1	(a)	(a)	57	57	(a)	(a)
Total .....	48	(b)	3	(b)	(b)	111	37	(b)	(b)
Cinder wheelers .....	48	.18 $\frac{1}{2}$	4	124	31	23	6	2.58	9
	48	.46 $\frac{1}{2}$	2	64	32	30	15	1.33	23
	48	.52 $\frac{1}{2}$	2	134	67	70	35	2.79	25
Total .....	48	.38	8	322	40	123	15	6.70	18
Cleaners, mill .....	48	.48 $\frac{1}{2}$	1	46	46	22	22	0.96	23
	48	.50 $\frac{1}{2}$	3	111	37	56	19	2.31	24
	48	.52 $\frac{1}{2}$	1	52	52	27	27	1.08	25
Total .....	48	.50	5	209	42	105	21	4.35	24

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No.—. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Cleaner, office .....	48	\$0.36½	1	48	48	\$18	\$18	1.00	\$18
Cleaners, road.....	48	.30½	2	19	10	6	3	0.40	15
	48	.36½	2	77	39	28	14	1.60	17
	48	.40	1	45	45	18	18	0.94	19
	48	.57	1	46	46	26	26	0.96	27
	48	.61	1	56	56	34	34	1.17	29
Total .....	48	.46	7	243	35	112	16	5.07	22
Coachers .....	48	.30	1	10	10	3	3	0.21	14
	48	.36½	2	96	48	34	17	2.00	17
	48	.42½	3	136	45	58	19	2.83	20
	48	.46½	6	272	45	127	21	5.67	22
	48	.48½	2	75	38	37	19	1.56	24
	48	.52½	1	46	46	24	24	0.96	25
	48	.54½	3	117	39	64	21	2.44	26
	48	.59	8	266	33	157	20	5.54	28
	48	.61	7	254	36	155	22	5.29	29
	48	.63	5	196	39	124	25	4.08	30
	48	.65	20	601	30	389	19	2.52	31
	48	.70½	1	34	34	24	24	10.71	34
Total .....	48	.57	59	2,103	36	1,196	20	43.81	27
Cranemen .....	48	.40	1	5	5	2	2	0.10	19
	48	.44	9	34	4	15	2	0.71	21
	48	.48½	2	47	24	22	11	0.98	22
	48	.50	1	12	12	6	6	0.25	24
Total .....	48	.46	13	98	8	45	3	2.04	22
Crop-end men .....	48	.24½	1	46	46	11	11	0.96	11
	48	.35½	2	42	21	15	8	0.88	17
	48	.40½	2	66	33	27	14	1.38	20
	48	.42½	1	44	44	19	19	0.92	21
	48	.46½	3	92	31	43	14	1.92	22
	48	.48½	2	95	48	46	23	1.98	23
	48	.50½	1	20	20	10	10	0.42	24
Total .....	48	.42	12	405	34	171	14	8.46	20
Cutter .....	48	.46½	1	45	45	21	21	0.94	22
Cutters and grinders .....	48	(a)	2	(a)	(a)	177	89	(a)	(a)
Dippers .....	48	.57	2	59	30	33	17	1.23	27
	48	.65	1	33	33	22	22	0.69	32
	48	.71	1	35	35	24	24	0.73	33
Total .....	48	.62	4	127	32	79	20	2.65	30
Dipper and weighman .....	48	.48½	1	62	62	30	30	1.29	23
Doggers .....	48	.48½	1	73	73	37	37	1.52	24
	48	.55	4	160	40	88	22	3.33	26
Total .....	48	.53½	5	233	47	125	25	4.85	26
Dogger and unloader .....	48	.48½	1	76	76	37	37	1.58	23
Drag-offs.....	48	.57	3	65	22	37	12	1.35	27
	48	.58½	1	12	12	7	7	0.25	23
	48	.63	1	43	43	27	27	0.90	30
Total .....	48	.59	5	120	24	71	14	2.50	28

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No.—. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Drag-outs.....	48	\$0.55	1	20	20	\$11	\$11	0.42	\$26
	48	.61	4	149	37	90	23	3.10	20
	48	.63	1	51	51	32	32	1.06	30
Total .....	48	.60½	6	220	37	133	22	4.58	29
Drag-out and hot-bank man..	48	.57½	1	47	47	27	27	0.98	28
Drag-out and laborer.....	48	.54½	1	46	46	25	25	0.96	26
Drill carrier .....	48	.32½	1	40	40	13	13	0.83	16
Drillers.....	48	.48½	6	173	29	84	14	3.60	23
	48	.57	1	62	62	35	35	1.29	27
	48	(a)	6	(a)	(a)	109	18	(a)	(a)
Total .....	48	(b)	13	(b)	(b)	228	18	(b)	(b)
Engineers .....	48	.57	2	92	46	52	26	1.92	27
	48	.63	2	125	63	79	40	2.60	39
	48	.65	3	172	57	111	37	3.58	31
	48	.67	2	146	73	97	49	3.04	32
Total .....	48	.63½	9	535	59	339	38	11.14	30
Engineers, bloom .....	48	.65	2	104	52	66	33	2.17	30
	48	.69	2	106	53	73	37	2.21	33
Total .....	48	.66	4	210	53	139	35	4.38	32
Engineers, drill .....	48	.46½	1	51	51	23	23	1.06	22
	48	.55	1	55	55	29	29	1.15	25
Total .....	48	.49	2	106	53	52	26	2.21	24
Engineers, fish plate.....	48	.38½	2	119	60	42	21	2.48	17
Engineers, hydraulic.....	48	.63	2	114	57	72	36	2.38	30
Engineer, lathe .....	48	.57	1	31	31	18	18	0.65	28
Engineer, press .....	48	.48½	1	55	55	27	27	1.15	24
Engineers, puddling .....	48	.63	2	126	63	79	40	2.63	30
Engineers, saw.....	48	.46½	2	100	50	47	24	2.08	23
	48	.55	2	92	46	52	26	1.92	27
Total .....	48	.51½	4	192	48	99	25	4.00	25
Engineers, tipper .....	48	.69	2	74	37	49	25	1.54	32
Filers.....	48	.55	2	30	15	16	8	0.63	26
	48	(a)	4	(a)	(a)	217	54	(a)	(a)
Total .....	48	(b)	6	(b)	(b)	233	39	(b)	(b)
Firemen, boiler .....	48	.58	22	1,014	46	586	27	21.13	28
Fitters.....	48	.65	2	104	52	67	34	2.17	31
	48	.73	1	57	57	41	41	1.19	35
	48	.74½	4	218	55	162	41	4.54	36
Total .....	48	.71	7	379	54	270	39	7.90	34
Fitters' helper.....	48	.36	1	46	46	17	17	0.96	18
Flue cleaner.....	48	.61	1	60	60	37	37	1.25	30
Foreman, blacksmiths.....	48	1.34	1	48	48	64	64	1.00	64
Foreman, drillers .....	48	2.43½	1	48	48	117	117	1.00	117
Foreman, fitters .....	48	1.82½	1	60	60	110	110	1.25	88
Foreman, haulers .....	48	1.09½	1	48	48	53	53	1.00	53

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
 b No total can be made for the reason shown in preceding footnote.

TABLE XIII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Foreman, masons .....	48	\$1.09½	1	48	48	\$53	\$53	1.00	\$53
Foreman, mill .....	48	1.21½	1	48	48	58	58	1.00	58
Foremen, puddlers .....	48	.97½	1	48	48	47	47	1.00	47
	48	1.62	1	48	48	78	78	1.00	78
Total .....	48	1.80	2	96	48	125	63	2.00	63
Foreman, rail bank .....	48	1.46	1	48	48	70	70	1.00	70
Foreman, roll turners .....	48	2.84	1	48	48	136	136	1.00	136
Gaggers .....	48	(a)	12	(a)	(a)	371	31	(a)	(a)
Gaggers and laborers .....	48	.53	2	79	40	42	21	1.65	26
Gas tender .....	48	.71	1	48	48	34	34	1.00	34
Gaugers .....	48	.36½	4	140	37	54	14	3.04	18
Greasers .....	48	.50½	4	186	47	94	24	3.88	24
	48	.59	1	81	81	47	47	1.69	28
Total .....	48	.53	5	267	53	141	28	5.57	25
Grinder .....	48	(a)	1	(a)	(a)	48	48	(a)	(a)
Guillotine tenders .....	48	.55	1	37	37	20	20	0.77	26
	48	.59	1	34	34	20	20	0.71	28
	48	.63	4	198	50	122	31	4.13	30
	48	.65	1	36	36	23	23	0.75	31
Total .....	48	.60½	7	305	44	185	26	6.36	29
Hammermen .....	48	.55	5	245	49	134	27	5.10	26
Haulers .....	48	.36½	1	38	38	14	14	0.79	18
	48	.38½	4	131	33	50	13	2.73	18
	48	.40½	1	46	46	19	19	0.96	20
	48	.44½	1	45	45	20	20	0.94	21
	48	.46½	1	48	48	22	22	1.00	22
	48	.50½	1	47	47	23	23	0.98	23
	48	.61	2	102	51	63	32	2.13	30
	48	.67	2	105	53	70	35	2.19	32
Total .....	48	.50	13	562	43	281	22	11.72	24
Heaters .....	48	.51	1	57	57	29	29	1.19	24
	48	.61	2	86	43	51	26	1.79	28
	48	(a)	66	(a)	(a)	2,425	37	(a)	(a)
Total .....	48	(b)	69	(b)	(b)	2,505	36	(b)	(b)
Helver .....	48	.63	1	30	30	19	19	0.63	30
Hookers .....	48	.24½	6	175	29	46	8	3.65	13
	48	.32½	2	85	43	28	14	1.77	16
	48	.36½	2	44	22	15	8	0.92	16
	48	.33½	3	139	46	54	18	2.90	19
	48	.40½	1	52	52	21	21	1.08	19
	48	.42½	4	204	51	87	22	4.25	20
	48	.50½	1	15	15	7	7	0.31	22
	48	.52½	1	21	21	11	11	0.44	25
	48	.57	5	108	22	61	12	2.25	27
	48	.60	1	5	5	3	3	0.10	29
	48	.61	2	36	18	22	11	0.75	29
	48	.63	2	33	17	21	11	0.69	31
	48	.65	4	105	26	68	17	2.19	31
	48	.67	1	31	31	21	21	0.65	33
	48	.73	1	43	43	30	30	0.90	33
	48	.75	1	36	36	26	26	0.75	35
Total .....	48	.46	37	1,132	31	521	14	23.60	22

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Hot-bank men .....	48	\$0.26½	5	189	38	\$50	\$10	3.94	\$13
	48	.32½	2	37	19	12	6	0.77	16
	48	.36½	7	326	47	118	17	6.79	17
	48	.38½	1	56	56	21	21	1.17	18
	48	.40½	6	262	44	106	18	5.46	19
	48	.44½	2	105	53	46	23	2.19	21
	48	.46½	1	44	44	20	20	0.92	22
	48	.48½	3	64	21	31	10	1.33	23
	48	.50½	3	148	49	74	25	3.08	24
	48	.55	1	24	24	13	13	0.50	26
	48	.66½	1	6	6	4	4	0.13	32
Total .....	48	.39½	32	1,261	39	495	15	26.28	19
Inspector, bloom.....	48	.81	1	48	48	39	39	1.00	39
Inspectors, rail.....	48	.73	1	42	42	31	31	0.88	35
	48	1.21½	1	48	48	58	58	1.00	58
Total .....	48	.99	2	90	45	89	45	1.88	47
Iron wheelers.....	48	.55	2	67	34	36	18	1.40	26
	48	.73	3	130	43	94	31	2.71	35
	48	(a)	2	(a)	(a)	87	44	(a)	(a)
Total .....	48	(b)	7	(b)	(b)	217	31	(b)	(b)
Laborers.....	48	.33½	3	9	3	3	1	0.19	16
	48	.36½	1	52	52	19	19	1.08	18
	48	.44½	2	114	57	51	26	2.38	21
	48	.46½	5	205	41	96	19	4.27	22
	48	.48½	81	2,138	26	1,042	13	44.54	23
	48	.50½	9	411	46	207	23	8.56	24
	48	.52½	6	179	30	93	16	3.73	25
	48	.55	4	154	39	84	21	3.21	26
	48	.59	1	59	59	35	35	1.23	28
	48	.81	2	117	59	95	48	2.44	39
Total .....	48	.50	114	3,438	30	1,725	15	71.63	24
Laborer and rail breaker .....	48	(a)	1	(a)	(a)	21	21	(a)	(a)
Laborer and weighman.....	48	.51½	1	58	58	30	30	1.21	25
Lathemen .....	48	.55	4	186	47	103	26	3.88	27
Loaders.....	48	.55	5	89	18	49	10	1.85	26
	48	(a)	2	(a)	(a)	174	87	(a)	(a)
Total .....	48	(b)	7	(b)	(b)	223	32	(b)	(b)
Loaders and weighmen .....	48	.35½	1	45	45	16	16	0.94	17
	48	.50½	2	96	48	54	27	2.00	27
	48	.69	2	106	53	73	37	2.21	33
	48	.82	1	11	11	9	9	0.23	39
	48	.98	1	48	48	47	47	1.00	47
	48	1.02	1	48	48	49	49	1.00	49
	48	(a)	2	(a)	(a)	154	77	(a)	(a)
Total .....	48	(b)	10	(b)	(b)	402	40	(b)	(b)
Masons .....	48	.73	4	201	50	147	37	4.19	35
	48	.81	1	50	56	46	46	1.17	39
Total .....	48	.75	5	257	51	193	39	5.36	36

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —. —Continued

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Masons' helpers .....	48	\$0.55	6	271	45	\$148	\$25	5.65	\$26
Messengers .....	48	.24½	1	48	48	12	12	1.00	12
	48	.36½	1	48	48	18	18	1.00	18
Total .....	48	.31½	2	96	48	30	15	2.00	15
Oilers and wheelers .....	48	1.77	2	87	44	154	77	1.81	85
Patcher .....	48	(a)	1	(a)	(a)	104	104	(a)	(a)
Pilers .....	48	.24½	5	232	46	57	11	4.83	12
	48	.48½	1	47	47	23	23	0.98	23
	48	.55	1	53	53	30	30	1.10	27
Total .....	48	.33	7	332	47	110	16	6.91	16
Pressmen .....	48	.28½	1	46	46	13	13	0.96	14
	48	.40½	5	187	37	75	15	3.90	19
	48	.73	1	53	53	38	38	1.10	34
Total .....	48	.44	7	286	41	126	18	5.96	21
Puddlers .....	48	(a)	57	(a)	(a)	2,377	42	(a)	(a)
Pnllers-up .....	48	.20½	1	40	40	8	8	0.83	10
	48	.36½	5	149	30	54	11	3.10	17
	48	.38½	3	131	44	50	17	2.73	18
	48	.46½	1	49	49	23	23	1.02	23
Total .....	48	.36½	10	369	37	135	14	7.68	18
Punchers .....	48	.16	2	65	33	11	6	1.35	8
	48	.48½	8	342	43	168	21	7.13	24
	48	.55	1	45	45	24	24	0.94	26
	48	.61	4	198	50	124	31	4.13	30
	48	.71	1	52	52	37	37	1.08	34
	48	.73	2	111	56	81	41	2.31	35
	48	.85	2	97	49	86	43	2.02	43
Total .....	48	.58½	20	910	46	531	27	18.96	28
Raiser .....	48	.25	1	4	4	1	1	0.08	12
Repairer .....	48	.62½	1	53	53	33	33	1.10	30
Roll turners .....	48	.57	2	75	38	42	21	1.56	27
	48	.67	1	52	52	54	54	1.08	31
	48	.71	1	42	42	30	30	0.88	34
	48	.73	2	74	37	54	27	1.54	35
Total .....	48	.60	6	243	41	160	27	5.06	32
Rollers .....	48	.61½	1	57	57	35	35	1.19	29
	48	(a)	13	(a)	(a)	764	59	(a)	(a)
Total .....	48	(b)	14	(b)	(b)	799	57	(b)	(b)
Rollers' helper .....	48	.65	1	42	42	27	27	0.88	31
Roughers .....	48	(a)	25	(a)	(a)	834	33	(a)	(a)
Sand wheelers .....	48	.43½	2	85	43	37	19	1.77	21
Sawyers .....	48	.63	4	164	41	103	26	3.42	30

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Spare hands .....	48	\$0.24½	1	24	24	\$6	\$6	0.50	\$12
	48	.26½	5	210	42	57	11	4.38	13
	48	.32½	3	130	43	41	14	2.71	15
	48	.36½	1	14	14	5	5	0.29	17
	48	.40½	1	49	49	20	20	1.02	20
	48	.42½	1	26	26	11	11	0.54	20
	48	.44½	1	46	46	21	21	0.96	22
	48	.46½	3	56	19	26	9	1.17	22
	48	.48½	4	104	26	50	13	2.17	23
	48	.50½	1	28	28	14	14	0.58	24
	48	.52½	2	111	56	59	30	2.31	26
	48	.55½	1	46	46	25	25	0.96	26
	48	.56½	2	67	34	38	10	1.40	27
	48	.61	5	228	46	139	28	4.75	29
	48	.65	1	55	55	35	35	1.15	31
	48	.85	1	48	48	41	41	1.00	41
	48	(a)	4	(a)	(a)	139	35	(a)	(a)
Total .....	48	(b)	37	(b)	(b)	727	20	(b)	(b)
Squeezers.....	48	(a)	2	(a)	(a)	106	53	(a)	(a)
Stock taker.....	48	1.42	1	48	48	68	68	1.00	63
Stockers.....	48	.57	3	92	31	52	17	1.92	27
	48	.63	3	124	41	81	27	2.58	31
Total .....	48	.61½	6	216	36	133	22	4.50	30
Straighteners.....	48	.71	1	44	44	31	31	0.92	34
	48	(a)	12	(a)	(a)	500	42	(a)	(a)
Total .....	48	(b)	13	(b)	(b)	531	41	(b)	(b)
Sweepers .....	48	.22½	1	47	47	10	10	0.98	10
	48	.26½	1	53	53	15	15	1.10	14
Total .....	48	.25	2	100	50	25	13	2.03	12
Timekeeper.....	48	1.62	1	48	46	78	78	1.00	78
Watchman.....	48	.36½	1	56	56	20	20	1.17	17
Weighmen.....	48	.59	1	46	46	27	27	0.96	28
	48	.63	1	46	46	29	29	0.96	30
Total .....	48	.61	2	92	46	56	28	1.92	29
Winders .....	48	.40	8	309	39	152	19	6.44	24
The establishment.....		(b)	873	(b)	(b)	23,100	27	(b)	(b)

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Barrowman.....	156	\$0.85	1	147	147	\$123	\$123	0.94	\$131
Blacksmiths .....	156	1.13½	1	138	138	157	157	0.88	177
	156	1.25½	1	180	180	227	227	1.15	197
	156	1.30	1	186	186	241	241	1.19	202
	156	1.34	1	177	177	236	236	1.13	208
Total .....	156	1.26½	4	681	170	861	215	4.35	197

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Cnse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmiths' strikers.....	156 156	\$0. 81 . 85	3 1	480 188	160 188	\$390 162	\$130 162	3. 08 1. 21	\$127 134
Total .....	156	. 82½	4	668	167	552	138	4. 29	129
Bloomers .....	156	1. 35	2	215	108	290	145	1. 38	210
Bogie boys.....	156	. 36½	2	229	115	84	42	1. 47	57
Bogie men .....	156 156 156 156 156	1. 02½ 1. 10½ 1. 35 1. 44 1. 52½	1 3 2 2 1	119 354 215 215 135	119 118 108 108 135	122 392 290 310 206	122 131 145 155 206	0. 76 2. 27 1. 38 1. 38 0. 87	160 173 210 225 238
Total .....	156	1. 27	9	1, 038	115	1, 329	147	6. 66	198
Bogie men's helper .....	156	1. 03½	1	135	135	140	140	0. 87	162
Boilermakers .....	156	1. 06½	2	410	205	436	218	2. 63	166
Boilermen .....	156	1. 12½	6	959	160	1, 078	180	6. 15	175
Boilersmiths.....	156 156 156	1. 34 1. 40 1. 48	1 1 1	186 182 160	186 182 160	252 252 237	252 252 237	1. 19 1. 17 1. 03	211 216 231
Total .....	156	1. 40½	3	528	176	741	247	3. 39	219
Carpenter .....	156	1. 26	1	149	149	188	188	0. 96	197
Catchers.....	156 156 156	1. 38 1. 53½ 1. 60½	2 2 2	229 270 215	115 135 108	316 414 345	158 207 173	1. 47 1. 73 1. 38	215 239 250
Total .....	156	1. 50½	6	714	119	1, 075	179	4. 58	235
Catchers' helpers .....	156 156	. 97½ 1. 19½	1 2	135 229	135 115	132 274	132 137	0. 87 1. 47	153 187
Total .....	156	1. 11½	3	364	121	406	135	2. 34	174
Chargers.....	156 156	. 87 . 99½	2 2	278 297	139 149	240 293	120 147	1. 78 1. 90	135 154
Total .....	156	. 92½	4	575	144	533	133	3. 68	145
Clippers .....	156 156	1. 01½ 1. 03½	2 2	222 274	111 137	225 282	113 141	1. 42 1. 76	158 161
Total .....	156	1. 02	4	496	124	507	127	3. 18	159
Cranemen.....	156	1. 24	2	336	168	417	209	2. 15	194
Cutters-down.....	156 156 156 156	1. 11½ 1. 40½ 1. 60½ 1. 74	1 1 1 1	131 130 133 133	131 130 133 133	152 181 211 229	152 181 211 229	0. 84 0. 83 0. 85 0. 85	181 217 247 269
Total .....	156	1. 46½	4	527	132	773	193	3. 37	229
Engine drivers .....	156	1. 09½	3	543	181	593	198	3. 48	170
Enginemen .....	156 156 156	. 85 1. 04½ 1. 17	2 2 2	322 277 251	161 139 126	274 290 294	137 145 147	2. 06 1. 78 1. 61	133 163 183
Total .....	156	1. 01	6	850	142	858	143	5. 45	157

TABLE XII—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Fettlers and slag wheelers.....	156	\$0.90	2	320	160	\$288	\$144	2.05	\$140
Firemen, boilers.....	156	.93½	2	346	173	323	162	2.22	146
Firemen, furnace.....	156	.99½	2	300	150	296	148	1.92	154
Firemen, locomotive.....	156	.89	3	565	188	504	168	3.62	139
Fitters.....	156	1.32	1	206	206	273	273	1.32	207
	156	1.36	3	596	199	810	270	3.82	212
Total.....	156	1.35	4	802	201	1,083	271	5.14	211
Forkers.....	156	1.43	1	147	147	203	208	0.94	221
	156	1.46	4	386	97	558	140	2.47	226
	156	2.08	4	481	120	1,001	250	3.08	325
Total.....	156	1.74½	9	1,014	113	1,767	196	6.49	272
Gas producers.....	156	1.09½	2	143	72	157	79	0.92	171
Gasfitter.....	156	.97½	1	180	180	178	178	1.15	154
Gasfitters' helper.....	156	.81	1	166	166	140	140	1.06	132
Hammermen.....	156	.97½	2	316	158	308	154	2.03	152
Heaters.....	156	1.73½	2	172	86	298	149	1.10	270
	156	2.07	2	253	127	524	262	1.62	323
	156	4.17½	2	221	111	923	462	1.42	652
	156	(a)	1	(a)	(a)	475	475	(a)	(a)
Total.....	156	(b)	7	(b)	(b)	2,220	317	(b)	(b)
Heaters' helpers.....	156	.48½	6	646	108	314	52	4.14	76
Holders-up.....	156	1.68½	1	117	117	196	196	0.75	261
	156	2.54½	4	481	120	1,223	306	3.08	397
Total.....	156	2.37½	5	598	120	1,419	284	3.83	370
Inspectors.....	156	1.21½	2	265	133	322	161	1.70	190
Laborers.....	156	.81	3	555	185	450	150	3.56	126
	156	.85	2	125	63	106	53	0.80	132
	156	.97½	1	207	207	202	202	1.33	152
Total.....	156	.85½	6	887	148	758	126	5.69	133
Loaders.....	156	.97½	2	215	108	212	106	1.38	154
	156	1.28½	4	425	106	547	137	2.72	201
Total.....	156	1.18½	6	640	107	759	127	4.10	185
Markers.....	156	1.98½	1	144	144	283	283	0.92	307
	156	2.79½	4	481	120	1,344	336	3.08	436
Total.....	156	2.60½	5	625	125	1,627	325	4.00	406
Millwrights.....	156	1.31	1	148	148	194	194	0.95	204
	156	1.48½	1	215	215	319	319	1.38	231
Total.....	156	1.41½	2	363	182	513	257	2.33	220
Millwrights' laborers.....	156	.81	1	223	223	181	181	1.43	127
	156	.89	1	243	243	217	217	1.56	139
	156	.97½	1	183	183	180	180	1.17	153
Total.....	156	.89	3	649	216	578	193	4.16	139

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Ore fillers .....	156	\$0.97 $\frac{1}{2}$	2	94	47	\$91	\$46	0.60	\$151
Ore grinder .....	156	1.30	1	179	179	232	232	1.15	202
Patternmakers .....	156	1.42	2	318	159	450	225	2.04	221
Pilers .....	156	1.33 $\frac{1}{2}$	1	125	125	167	167	0.80	208
	156	1.39 $\frac{1}{2}$	1	131	131	183	183	0.84	218
Total .....	156	1.36 $\frac{1}{2}$	2	256	128	350	175	1.64	214
Pinchers .....	156	.97 $\frac{1}{2}$	2	215	108	210	105	1.38	152
	156	1.33 $\frac{1}{2}$	3	350	117	468	156	2.24	209
	156	1.44	2	215	108	310	155	1.38	225
Total .....	156	1.26 $\frac{1}{2}$	7	780	111	988	141	5.00	197
Pitmen .....	156	(a)	6	(a)	(a)	625	104	(a)	(a)
Platelayer .....	156	.97 $\frac{1}{2}$	1	143	143	139	139	0.92	152
Plate layers' laborer .....	156	.81	1	143	143	114	114	0.92	124
Puddlers .....	156	.85	4	491	123	409	102	3.15	130
	156	1.47 $\frac{1}{2}$	4	476	119	703	176	3.05	230
	156	2.01	4	491	123	987	247	3.15	314
Total .....	156	1.44	12	1,458	122	2,099	175	9.35	225
Pushers .....	156	.97 $\frac{1}{2}$	2	132	66	128	64	0.85	151
Roll cleaners .....	156	.95 $\frac{1}{2}$	2	307	154	292	146	1.97	148
Rollers .....	156	1.25 $\frac{1}{2}$	2	229	175	288	144	1.47	196
	156	1.44 $\frac{1}{2}$	5	699	140	1,010	202	4.48	225
	156	1.78	5	579	116	1,031	206	3.71	278
	156	1.97 $\frac{1}{2}$	2	229	115	452	226	1.47	308
	156	2.44 $\frac{1}{2}$	1	135	135	330	330	0.87	381
	156	2.9 $\frac{1}{2}$	3	343	114	1,023	341	2.20	465
	156	3.21 $\frac{1}{2}$	1	131	131	421	421	0.84	501
	156	4.01	1	131	131	525	525	0.84	625
	156	5.28	1	118	118	623	623	0.76	824
	156	6.02 $\frac{1}{2}$	1	111	111	669	669	0.71	940
	156	8.16 $\frac{1}{2}$	1	135	135	1,102	1,102	0.87	1,273
	156	11.36 $\frac{1}{2}$	1	109	109	1,239	1,239	0.70	1,773
	156	12.76 $\frac{1}{2}$	1	106	106	1,353	1,353	0.68	1,991
Total .....	156	3.29 $\frac{1}{2}$	25	3,055	122	10,066	403	19.60	514
Rollers' helpers .....	156	.72 $\frac{1}{2}$	1	128	128	93	93	0.82	113
	156	.97	4	431	108	419	105	2.76	152
	156	1.10 $\frac{1}{2}$	2	215	108	238	119	1.38	173
	156	(a)	(b)	(a)	(a)	9,287	(b)	(a)	(a)
Total .....	156	(c)	(c)	(c)	(c)	10,037	(c)	(c)	(c)
Scrap cutters .....	156	2.08 $\frac{1}{2}$	4	481	120	1,002	251	3.08	325
Scrap cutters' helpers .....	156	1.02 $\frac{1}{2}$	4	540	135	554	139	3.46	160
Shearmen .....	156	.93	2	329	165	306	153	2.11	145
	156	2.86	1	142	142	406	406	0.91	446
	156	5.43	2	258	129	1,401	701	1.65	847
	156	5.69 $\frac{1}{2}$	2	217	109	1,236	618	1.39	889
Total .....	156	3.54	7	946	135	3,349	478	6.06	552

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employés not given.

c No total can be made for reasons shown in the preceding footnotes.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Shinglers .....	156	\$1.70½	1	130	130	\$221	\$221	0.83	\$265
	156	2.37½	1	130	130	309	309	0.83	371
	156	2.76	1	130	130	359	359	0.83	431
Total .....	156	2.28	3	890	130	889	296	2.49	356
Slagmen .....	156	.79	2	254	127	200	100	1.63	123
	156	.97½	2	98	49	96	48	0.63	153
Total .....	156	.84	4	352	88	296	74	2.26	131
Smelters .....	156	(a)	18	(a)	(a)	3,497	194	(a)	(a)
Stampers .....	156	.97½	2	269	135	262	131	1.72	152
Sweepers .....	156	.93½	2	229	115	214	107	1.47	146
	156	.97½	2	215	108	210	105	1.38	152
	156	1.03½	2	270	135	280	140	1.73	162
	156	1.10½	2	215	108	238	119	1.38	173
Total .....	156	1.01½	8	929	116	942	118	5.96	158
Teemer .....	156	(a)	1	(a)	(a)	55	55	(a)	(a)
Test preparer .....	156	.93½	1	167	167	155	155	1.07	145
Test preparer's boy .....	156	.73	1	170	170	129	129	1.09	118
Tongsman .....	156	1.11½	1	124	124	137	137	0.79	172
Turn-overs .....	156	1.82½	4	489	122	892	223	3.13	285
Wash heaters .....	156	4.76½	2	251	126	1,196	598	1.61	743
Wash heaters' helpers .....	156	.48½	2	251	126	122	61	1.61	76
Wheelers .....	156	.93	6	705	118	654	109	4.52	145
	156	1.03½	2	313	157	325	163	2.01	162
	156	1.07½	1	144	144	155	155	0.92	168
	156	1.09½	1	124	124	135	135	0.79	170
	156	1.13½	6	911	152	1,043	174	5.84	179
	156	1.21½	4	417	104	504	126	2.67	189
Total .....	156	1.07½	20	2,614	131	2,816	141	16.75	168
The establishment .....		(b)	(b)	(b)	(b)	66,433	(b)	(b)	(b)

ESTABLISHMENT No. —.

[No statement of cost of production for mixed iron and steel is shown in Part I.]

Ashmen .....	53	\$0.54 $\frac{1}{2}$	4	232	58	\$131	\$33	4.38	\$30
	53	.07	1	53	53	35	35	1.00	35
	53	.09	2	71	36	49	25	1.34	37
	53	.71	1	50	50	35	35	0.94	37
Total .....	53	.61 $\frac{1}{2}$	8	406	51	250	31	7.66	33
Blacksmiths .....	53	.67	1	48	48	32	32	0.91	35
	53	.71	4	201	50	143	36	3.79	38
	53	.89	1	68	68	60	60	1.28	47
Total .....	53	.74	6	317	53	235	39	5.98	39
Blacksmiths' strikers .....	53	.53 $\frac{1}{2}$	10	456	46	244	24	8.60	28
Bloomers .....	53	(a)	5	(a)	(a)	320	64	(a)	(a)
Blowers .....	53	(a)	6	(a)	(a)	414	69	(a)	(a)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for reasons shown in the preceding footnotes.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ-és.	Days of work done.		Earnings.		Necessary employ-és.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Boiler scalers .....	53	\$0.61	1	60	60	\$36	\$36	1.13	\$32
	53	.63	1	51	51	32	32	0.96	33
Total .....	53	.61½	2	111	56	68	34	2.09	32
Bottom builders .....	53	(a)	4	(a)	(a)	175	44	(a)	(a)
Casting dresser .....	53	.61	1	55	55	34	34	1.04	33
Chargers .....	53	(a)	5	(a)	(a)	198	40	(a)	(a)
Checker .....	53	.69	1	58	58	40	40	1.09	37
Chillmen .....	53	(a)	34	(a)	(a)	1,490	44	(a)	(a)
Chippers .....	53	.54½	5	270	54	147	29	5.09	29
	53	.69	3	109	36	75	25	2.06	36
	53	.81	1	39	39	31	31	0.74	42
Total .....	53	.60½	9	418	46	253	28	7.89	32
Cinder wheelers .....	53	.73	2	112	56	82	41	2.11	39
Cleaners, rail bank .....	53	.50½	2	84	42	45	23	1.58	28
Coachers .....	53	.59	3	151	50	90	30	2.85	32
	53	(a)	17	(a)	(a)	772	45	(a)	(a)
Total .....	53	(b)	20	(b)	(b)	862	43	(b)	(b)
Coke collectors .....	53	.44½	2	100	50	48	24	1.89	25
Cranemen .....	53	.34½	1	48	48	17	17	0.91	19
	53	.40½	10	437	44	176	18	8.25	21
	53	.54½	4	206	52	111	28	3.89	29
	53	.59	2	98	49	56	28	1.85	30
	53	.61	7	316	45	192	27	5.96	32
	53	.73	1	64	64	47	47	1.21	39
	53	(a)	6	(a)	(a)	269	45	(a)	(a)
Total .....	53	(b)	31	(b)	(b)	868	28	(b)	(b)
Crop-end men .....	53	.44½	6	250	42	109	18	4.72	23
Cupola fettlers and helpers .....	53	(a)	(c)	(a)	(a)	138	(c)	(a)	(a)
Cupolaman .....	53	.73	1	52	52	38	38	0.98	39
Doggers .....	53	.48½	7	256	37	124	18	4.83	26
	53	.77	4	182	46	140	35	3.43	41
Total .....	53	.60½	11	438	40	264	24	8.26	32
Drill filers .....	53	.59	3	160	53	94	31	3.02	31
Drillers .....	53	.57	11	616	56	356	32	11.62	31
	53	(a)	3	(a)	(a)	106	35	(a)	(a)
Total .....	53	(b)	14	(b)	(b)	462	33	(b)	(b)
Drillers' helpers .....	53	.50½	14	687	49	350	25	12.96	27
	53	(a)	3	(a)	(a)	91	30	(a)	(a)
Total .....	53	(b)	17	(b)	(b)	441	26	(b)	(b)
Engineers, blast .....	53	.57	2	105	53	60	30	1.98	30
	53	.81	2	120	60	97	49	2.26	43
Total .....	53	.70	4	225	56	157	39	4.24	37

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

c Number of employés not given.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Engineers, bloom .....	53	\$0. 81	2	119	60	\$95	\$48	2. 25	\$42
Engineers, condensing .....	53	. 61	2	107	54	65	33	2. 02	32
Engineers, crane .....	53	. 34½	2	94	47	32	16	1. 77	18
	53	. 61	1	21	21	13	13	0. 40	33
Total .....	53	. 39	3	115	38	45	15	2. 17	21
Engineers, crop-end .....	53	. 24½	2	108	54	27	14	2. 04	13
Engineers, drill .....	53	. 30½	1	21	21	7	7	0. 40	18
	53	. 54½	1	2	2	1	1	0. 04	27
	53	. 57	2	110	55	62	31	2. 08	30
Total .....	53	. 52½	4	133	33	70	18	2. 52	28
Engineers, fan .....	53	. 57	2	127	64	72	36	2. 40	30
Engineer, foundry .....	53	. 30½	1	43	43	13	13	0. 81	16
Engineers, hydraulic .....	53	. 61	3	123	41	77	26	2. 32	23
Engineer, lathe .....	53	. 63	1	69	69	44	44	1. 30	34
Engineers, press .....	53	. 30½	1	47	47	14	14	0. 89	16
	53	. 57	1	60	60	34	34	1. 13	30
Total .....	53	. 45	2	107	54	48	24	2. 02	24
Engineers, pump .....	53	. 67	2	120	60	81	41	2. 26	36
Engineers, rail mill .....	53	. 75	2	100	50	74	37	1. 89	39
	53	. 91½	2	120	60	107	54	2. 26	47
Total .....	53	. 82½	4	220	55	181	45	4. 15	44
Engineers, rolls .....	53	. 38½	2	110	55	43	22	2. 08	21
	53	. 48½	4	219	55	107	27	4. 13	26
	53	. 61	1	62	62	38	38	1. 17	32
Total .....	53	. 48	7	391	56	188	27	7. 38	25
Engineers, saw .....	53	. 50½	1	48	48	24	24	0. 91	27
	53	. 73	2	128	64	92	46	2. 42	38
Total .....	53	. 66	3	176	59	116	39	3. 33	35
Engineer, shear .....	53	. 65	1	57	57	37	37	1. 08	34
Engineer, shop .....	53	. 30½	1	59	59	21	21	1. 11	19
Engineers, triangle .....	53	. 48½	1	44	44	21	21	0. 83	25
	53	. 50½	1	50	50	25	25	0. 94	27
Total .....	53	. 49	2	94	47	46	23	1. 77	26
Filers .....	53	. 61	8	407	51	247	31	7. 68	22
Fitters .....	53	. 59	1	42	42	25	25	0. 79	32
	53	. 63	1	74	74	48	48	1. 40	34
	53	. 67	3	167	56	112	37	3. 15	36
	53	. 71	14	763	55	542	39	14. 40	38
	58	. 81	1	49	49	40	40	0. 92	43
Total .....	53	. 70	20	1, 095	55	767	38	20. 66	37



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Different employ-és.	Days of work done.		Earnings.		Necessary employ-és.	Consequent average earnings per employ-é.
				Total.	Average.	Total.	Average.		
Foreman.....	53	\$1.46	1	48	48	\$70	\$70	0 91	\$77
Foreman, assistant.....	53	.81	1	48	48	39	39	0.91	43
Foreman, blacksmiths.....	53	1.17½	1	48	48	56	56	0.91	62
Foreman, drillers.....	53	1.09½	1	48	48	53	53	0.91	59
Foreman, engineers.....	53	2.84	1	48	48	136	136	0.91	150
Foreman, fitters.....	53	1.21½	1	48	48	58	58	0.91	64
Foremen, gashouse.....	53	.85	2	129	65	109	55	2.43	45
Foreman, haulers.....	53	.81	1	48	48	39	39	0.91	43
Foreman, laborers.....	53	.89	1	76	76	70	70	1.43	49
Foreman, masons.....	53	1.82½	1	48	48	88	88	0.91	87
Foremen, mill.....	53	2.03	1	48	48	97	97	0.91	107
	53	(a)	2	(a)	(a)	185	93	(a)	(a)
Total.....	53	(b)	3	(b)	(b)	282	94	(b)	(b)
Foreman, moulders.....	53	1.62	1	48	48	78	78	0.91	86
Foreman, rail bank.....	53	1.42	1	48	48	68	68	0.91	75
Foreman, roll turners.....	53	1.94½	1	48	48	93	93	0.91	103
Foremen, stokers.....	53	(a)	2	(a)	(a)	143	72	(a)	(a)
Gaggers.....	53	(a)	12	(a)	(a)	587	49	(a)	(a)
Gagger and straightener.....	53	(a)	1	(a)	(a)	97	97	(a)	(a)
Gas producers.....	53	.63	16	960	60	615	38	18.11	34
Gas reversers.....	53	.50½	2	119	60	59	30	2.25	26
Gaugers.....	53	.40½	2	81	41	33	17	1.53	22
Grinders.....	53	.24½	2	29	15	7	4	0.55	13
	53	.30½	2	95	48	29	15	1.79	16
	53	.50½	1	67	67	33	33	1.26	26
	53	(a)	6	(a)	(a)	379	63	(a)	(a)
Total.....	53	(b)	11	(b)	(b)	448	41	(b)	(b)
Haulers.....	53	.40½	1	53	53	22	22	1.00	22
	53	.46½	6	264	44	123	21	4.98	25
	53	.54½	2	103	52	56	28	1.94	29
Total.....	53	.48	9	420	47	201	22	7.92	25
Heaters.....	53	(a)	20	(a)	(a)	1,140	57	(a)	(a)
Heaters' helpers.....	53	.48½	3	145	48	71	24	2.74	26
	53	.59	1	47	47	28	28	0.89	32
	53	.67	8	330	41	220	28	6.23	35
	53	(a)	7	(a)	(a)	237	34	(a)	(a)
Total.....	53	(b)	19	(b)	(b)	556	29	(b)	(b)
Helver.....	53	.63	1	48	48	30	30	0.91	33
Hookers.....	53	.54½	2	111	56	61	31	2.09	29
	53	.59	2	103	52	61	31	1.94	31
	53	.63	2	107	54	67	34	2.02	31
Total.....	53	.59	6	321	54	189	32	6.05	31
Hot-bank men.....	53	.69	10	256	26	175	18	4.83	36
	53	(a)	10	(a)	(a)	469	47	(a)	(a)
Total.....	53	(b)	20	(b)	(b)	644	32	(b)	(b)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Continued.

ESTABLISHMENT No. —.—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborers .....	53	\$0.26½	1	56	56	\$15	\$15	1.06	\$14
	53	.34½	2	109	55	39	20	2.06	19
	53	.36½	1	43	43	16	16	0.81	20
	53	.44½	6	247	41	110	18	4.66	24
	53	.50½	28	757	27	381	14	14.28	27
	53	.52½	12	507	42	266	22	9.57	28
	53	.54½	13	608	47	335	26	11.47	29
	53	.59	11	535	49	315	29	10.09	31
	53	.61	3	160	53	98	33	3.02	32
	53	.67	3	121	40	80	27	2.28	35
Total .....	53	.52½	80	3,143	39	1,655	21	59.30	28
Ladle daubers .....	53	(a)	4	(a)	(a)	204	51	(a)	(a)
Loaders .....	53	.50½	3	108	36	54	18	2.04	27
	53	(a)	(b)	(a)	(a)	389	(b)	(a)	(a)
Total .....	53	(c)	(c)	(c)	(c)	443	(c)	(c)	(c)
Loam mixer .....	53	(a)	1	(a)	(a)	42	42	(a)	(a)
Masons .....	53	.63	3	143	48	90	30	2.70	33
	53	.73	4	228	57	167	42	4.30	39
	53	.77	1	55	55	42	42	1.04	40
	53	.81	1	66	66	54	54	1.25	43
Total .....	53	.71½	9	492	55	353	39	9.29	38
Masons' helpers .....	53	.54½	7	400	57	220	31	7.55	29
Measurers .....	53	.57	2	150	75	85	43	2.83	30
Melters .....	53	(a)	6	(a)	(a)	271	45	(a)	(a)
Millwrights .....	53	.71	2	133	67	94	47	2.51	37
Moulders .....	53	.30½	1	60	60	18	18	1.13	16
	53	.48½	1	52	52	25	25	0.98	25
	53	.72	3	76	25	54	18	1.43	38
	53	.83	1	63	63	52	52	1.19	44
	53	(a)	8	(a)	(a)	533	67	(a)	(a)
Total .....	53	(c)	14	(c)	(c)	682	49	(c)	(c)
Passer .....	53	.81	1	54	54	43	43	1.02	42
Patternmaker .....	53	.89	1	53	53	47	47	1.00	47
Pitmen .....	53	(a)	13	(a)	(a)	455	35	(a)	(a)
Plate holders .....	53	.24½	2	56	28	14	7	1.06	13
Plate layer .....	53	.59	1	41	41	24	24	0.77	31
Pullers-over .....	53	.57	2	99	50	56	28	1.87	30
Pullers-up .....	53	.34½	2	88	44	32	16	1.66	19
	53	.40½	4	177	44	72	18	3.34	22
Total .....	53	.39	6	265	44	104	17	5.00	21
Punchers .....	53	.63	4	188	47	116	29	3.55	33
Roll turners .....	53	.48½	2	67	34	34	17	1.26	27
	53	.51½	2	110	55	61	31	2.08	29
	53	.63	1	72	72	45	45	1.36	33
	53	.67	1	54	54	36	36	1.02	35
	53	.69	1	54	54	37	37	1.02	36
	53	1.09½	2	96	48	105	53	1.81	58
Total .....	53	.70	9	453	50	318	35	8.55	37

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employes not given.

c No total can be made for reasons shown in the preceding footnotes.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS.—Continued.

## Q.—Mixed Iron and Steel: GREAT BRITAIN—Concluded.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Rollers .....	53	(a)	15	(a)	(a)	\$1,049	\$70	(a)	(a)
Roller holders .....	53	\$0.36½	4	186	47	68	17	3.51	\$19
Runner makers .....	53	(a)	6	(a)	(a)	198	33	(a)	(a)
Sawyers .....	53	.75	2	125	63	94	47	2.36	40
Scrap picker .....	53	.28½	1	48	48	14	14	0.91	15
Shearmen .....	53	.44½	1	18	18	8	8	0.34	24
	53	.85	2	74	37	63	32	1.40	45
Total .....	53	.77	3	92	31	71	24	1.74	41
Spare hands .....	53	.48	19	665	35	320	17	12.55	26
	53	.66	28	861	31	569	20	16.25	35
	53	(a)	47	(a)	(a)	1,574	33	(a)	(a)
Total .....	53	(b)	94	(b)	(b)	2,463	26	(b)	(b)
Stamper .....	53	.57	1	49	49	28	28	0.92	30
Stockers .....	53	.50¾	68	2,585	38	1,316	19	48.77	27
	53	.59	8	475	59	287	36	8.95	32
	53	(a)	8	(a)	(a)	181	23	(a)	(a)
Total .....	53	(b)	84	(b)	(b)	1,784	21	(b)	(b)
Stokers .....	53	.60¾	8	122	15	74	9	2.30	32
	53	.67	8	134	17	89	11	2.53	35
	53	.73	45	1,726	38	1,256	28	32.57	39
Total .....	53	.71½	61	1,982	32	1,419	23	37.40	38
Stopper setters .....	53	.32½	3	174	58	56	19	3.28	17
Stoppermakers .....	53	.54½	3	101	34	55	18	1.91	29
	53	(a)	(c)	(a)	(a)	340	(c)	(a)	(a)
Total .....	53	(b)	(b)	(b)	(b)	395	(b)	(b)	(b)
Straighteners .....	53	(a)	12	(a)	(a)	727	61	(a)	(a)
Sweepers .....	53	.44½	4	168	42	75	19	3.17	24
Tipper .....	53	(a)	1	(a)	(a)	76	76	(a)	(a)
Tongsmen .....	53	(a)	4	(a)	(a)	198	50	(a)	(a)
Unloader .....	53	.77	1	24	24	18	18	0.45	40
Vesselmen .....	53	(a)	18	(a)	(a)	919	51	(a)	(a)
Watchman .....	53	.52½	1	56	56	30	30	1.06	28
Weighmen .....	53	.34½	2	71	36	24	12	1.34	18
	53	.57	1	48	48	27	27	0.91	30
	53	.81	2	104	52	84	42	1.96	43
Total .....	53	.60½	5	223	45	135	27	4.21	32
The establishment .....		(b)	(b)	(b)	(b)	30,593	(b)	(b)	(b)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for reasons shown in the preceding footnotes.

c Number of employés not given.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**R.—Bituminous Coal: UNITED STATES.**

## ESTABLISHMENT No. 18.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmith .....	158	\$2.00	1	158	158	\$316	\$316	1.00	\$316
Cagemen .....	158	1.66½	1	108	108	181	181	0.68	265
	158	1.75	2	204	102	356	178	1.29	276
Total .....	158	1.72	3	312	104	537	179	1.97	272
Carpenter .....	158	2.00	1	152	152	304	304	0.96	316
Drivers .....	158	1.25	1	50	50	62	62	0.32	196
	158	1.50	7	801	114	1,185	169	5.07	234
Total .....	158	1.46½	8	851	106	1,247	156	5.39	232
Dumpers .....	158	1.50	2	291	146	437	219	1.84	237
Engineers, hoisting .....	184	2.16	2	368	184	795	398	2.00	398
Fireman .....	184	1.50	1	171	171	259	259	0.93	279
Foreman, laborers .....	158	1.75	1	171	171	299	299	1.08	276
Laborers .....	158	1.50	2	287	144	431	216	1.82	237
Mine boss .....	184	2.28½	1	184	184	420	420	1.00	420
Miners .....	158	(a, b)	176	(b)	(b)	a 36,305	172	(b)	(b)
Roadmen .....	158	1.50	9	1,453	161	2,164	240	9.20	235
	158	1.75	1	178	178	312	312	1.13	277
Total .....	158	1.52	10	1,631	163	2,476	248	10.33	240
Tracklayer .....	158	1.75	1	143	143	251	251	0.91	277
Trappers .....	158	.87½	2	305	153	267	134	1.93	138
Trimmer .....	158	1.75	1	159	159	277	277	1.01	275
Weighman .....	158	1.75	1	154	154	269	269	0.97	276
The establishment .....	.....	(c)	213	(c)	(c)	d 38,890	183	(c)	(c)

## ESTABLISHMENT No. 26.

Blacksmith .....	313	\$2.40	1	202	202	\$485	\$485	0.65	\$752
Blacksmith's helper and pipe fitter .....	313	1.83	1	213	213	390	390	0.68	573
Blasters .....	313	2.00	6	225	38	454	76	0.72	632
	313	2.10	2	134	67	279	140	0.43	652
Total .....	313	2.04	8	359	45	733	92	1.15	639
Blaster and driller .....	313	2.10	1	129	129	271	271	0.41	658
Blasters and loaders .....	313	1.98	4	246	62	487	122	0.79	620
Blaster and watchman .....	313	1.77	1	169	169	299	299	0.54	554
Cageman and driver .....	313	1.92½	1	163	163	314	314	0.52	603
Cagemen and loaders .....	313	1.90	2	289	145	549	275	0.92	595
Carpenter .....	313	1.50	1	61	61	92	92	0.19	472
Carpenter and dumper .....	313	1.57½	1	193	193	304	304	0.62	493
Cutters .....	313	2.25	8	901	113	2,085	261	2.88	724
	313	2.50	4	303	76	750	188	0.97	775
	313	2.75	1	8	8	22	22	0.03	861
Total .....	313	2.35½	13	1,212	93	2,857	220	3.88	738

a From the earnings here given miners bought their own supplies at a cost of 48 cents per week.

b Paid by the quantity. The daily rate of pay and days of work done cannot be given.

c No total can be made for the reason shown in the preceding footnote.

d In addition, \$434 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 209.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**R.—Bituminous Coal: UNITED STATES—Continued.**

ESTABLISHMENT No. 26—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Cutters and cutters' helpers ..	313	\$2.04½	3	421	140	\$800	\$287	1.35	\$639
Cutters' helpers .....	313	1.80	13	840	65	1,523	117	2.68	567
	313	2.00	2	65	33	131	66	0.21	631
Total .....	313	1.83	15	905	60	1,654	110	2.89	572
Cutters' helper and driver ....	313	1.53	1	141	141	216	216	0.45	479
Cutters' helpers and loaders ..	313	1.86	4	286	72	532	133	0.91	582
	313	2.08½	1	23	23	48	48	0.07	653
Total .....	313	1.87½	5	309	62	580	116	0.98	588
Driller .....	313	2.00	1	6	6	12	12	0.02	626
Drivers .....	313	1.25	1	19	19	23	23	0.06	379
	313	2.00	3	149	50	295	98	0.48	620
Total .....	313	1.89½	4	168	42	318	80	0.54	592
Drivers and loaders .....	313	1.51½	2	176	88	267	134	0.56	475
Dumper and loader .....	313	1.43½	1	83	82	119	119	0.27	449
Engineer, hoisting .....	313	1.72½	1	167	167	288	288	0.53	540
Engineer and fireman .....	313	1.72	1	317	317	545	545	1.01	538
Fireman and watchman .....	313	1.42	1	301	301	428	428	0.96	445
Laborers .....	313	1.00	2	46	23	46	23	0.15	313
	313	1.25	2	110	55	137	69	0.35	390
Total .....	313	1.17½	4	156	39	183	46	0.50	367
Laborer and loader .....	313	1.62	1	131	131	212	212	0.42	507
Loaders (a) .....	313	1.75	2	121	61	210	105	0.39	543
	313	1.87½	65	2,376	37	4,440	68	7.59	585
Total .....	313	1.86	67	2,497	37	4,650	69	7.98	583
Loader and teamster .....	313	1.68	1	78	78	131	131	0.25	526
Loaders and timbermen .....	313	1.96½	4	169	42	332	83	0.54	615
Loader and trapper .....	313	1.31½	1	143	143	188	188	0.46	411
Loader and watchman .....	313	1.69	1	26	26	44	44	0.08	530
Mine bosses .....	313	1.91½	2	373	187	717	359	1.19	602
Pumpman .....	313	1.33½	1	3	3	4	4	0.01	417
Teamsters .....	313	1.15	1	84	84	101	101	0.27	376
	313	1.25	1	43	43	53	53	0.14	386
Total .....	313	1.21½	2	127	64	154	77	0.41	380
Timbermen .....	313	2.00	5	284	57	575	115	0.91	634
	313	2.10	3	166	55	345	115	0.53	651
Total .....	313	2.04½	8	450	56	920	115	1.44	610
Tracklayers .....	313	2.25	2	222	111	486	243	0.71	685
Trappers .....	313	.80	2	273	137	216	108	0.87	248
Trimmers .....	313	1.25	1	17	17	22	22	0.05	405
	313	1.50	4	331	83	488	122	1.06	461
Total .....	313	1.46½	5	348	70	510	102	1.11	459

a This being a machine mine the loaders here take the place of miners in other establishments. Loaders, as well as all inside employes, pay 25 cents per week for oil.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. 26—Concluded.

Occupation.	Work- ing- days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Watchman.....	305	\$1.21	1	53	53	\$64	\$64	0.15	\$441
Weighmen.....	313	1.00	1	15	15	15	15	0.05	313
	313	1.72½	1	313	313	540	540	1.00	540
Total .....	313	1.69	2	328	164	555	278	1.05	530
The establishment.....		1.84½	173	11,607	67	a 21,434	124	37.08	578

ESTABLISHMENT No. 55.

Dumper .....	313	\$1.50	1	50	50	\$75	\$75	0.16	\$470
Hanlers .....	313	1.81	5	267	53	491	98	0.55	576
Haulers and tracklayers .....	313	1.87	1	235	235	440	440	0.75	583
	313	1.95½	1	94	94	184	184	0.30	613
	313	2.25	1	275	275	619	619	0.88	705
Total .....	313	2.06	3	604	201	1,243	414	1.93	644
Hanler and trimmer .....	313	1.49½	1	69	69	103	103	0.22	467
Laborers .....	313	1.50	3	15	5	23	8	0.05	480
Laborer and trapper .....	313	1.00	1	68	68	68	68	0.22	313
Minors .....	313	(b, c)	186	(c)	(c)	b 17,025	92	(c)	(c)
Tracklayer .....	313	2.00	1	269	269	540	510	0.86	628
Trapper .....	313	.40	1	44	44	19	19	0.14	135
Trimmers .....	313	1.00	1	47	47	47	47	0.15	313
	313	1.50	2	291	146	449	225	0.93	483
Total .....	313	1.46½	3	338	113	496	165	1.08	459
The establishment.....		(d)	205	(d)	(d)	e 20,083	98	(d)	(d)

ESTABLISHMENT No. 96.

Blacksmiths .....	313	\$1.65	1	236	236	\$384	\$384	0.75	\$509
	313	2.00	2	275	138	551	276	0.88	627
Total .....	313	1.83	3	511	170	935	312	1.63	573
Carpenter .....	313	2.66½	1	6	6	16	16	0.02	835
Drivers.....	313	1.00	1	4	4	4	4	0.01	313
	313	1.25	1	19	19	23	23	0.06	379
	313	1.50	1	11	11	17	17	0.04	484
	313	2.00	12	442	37	892	74	1.41	632
	313	(c)	3	(c)	(c)	1,633	544	(c)	(c)
Total .....	313	(d)	18	(d)	(d)	2,569	143	(d)	(d)

a In addition \$148 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 209.

b From earnings here given miners bought their own supplies at a cost of 75 cents per week,

c Paid by the quantity. The daily rate of pay and days of work done cannot be given.

d No total can be made for the reason shown in the preceding footnote.

e In addition \$4,004 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 209.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. 96—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ-és.	Days of work done.		Earnings.		Necessary employ-és.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Driver and hooker-on.....	313	\$1.26½	1	171	171	\$216	\$216	0.55	\$395
Engineer .....	313	2.00	1	283	283	565	565	0.90	625
Fanmen .....	313	1.50	3	310	103	470	157	0.99	475
Fire boss .....	313	2.09½	1	320	320	671	671	1.02	656
Hookers-on .....	313	.75	2	103	52	82	41	0.33	249
	313	1.00	2	34	17	34	17	0.11	313
Total .....	313	.84½	4	137	34	116	29	0.44	265
Laborers, surface.....	313	1.25	3	56	19	70	23	0.18	391
	313	1.35	1	25	25	33	33	0.08	413
	313	1.50	3	29	10	43	14	0.09	464
	313	1.75	1	22	22	37	37	0.07	526
Total .....	313	1.38½	8	132	17	183	23	0.42	434
Laborers, underground .....	313	1.75	3	38	13	68	23	0.12	560
	313	2.00	9	69	8	137	15	0.22	621
Total .....	313	1.91½	12	107	9	205	17	0.34	600
Laborer and miner .....	313	(a, b)	1	(b)	(b)	a 82	82	(b)	(b)
Masons .....	313	3.00	2	6	3	18	9	0.02	939
Miners .....	313	(a, b)	412	(b)	(b)	a 53,613	130	(b)	(b)
Miners and tipplemen .....	313	(a, b)	2	(b)	(b)	a 552	276	(b)	(b)
Pit bosses .....	313	2.25	1	67	67	150	150	0.21	701
	313	2.50	1	189	189	473	473	0.60	783
Total .....	313	2.43½	2	256	128	623	312	0.81	762
Roadmen .....	313	2.00	2	518	259	1,036	518	1.65	626
Tipplemen.....	313	1.45	8	281	35	410	51	0.90	457
	313	1.60	2	98	49	158	79	0.31	505
Total .....	313	1.50	10	379	38	568	57	1.21	469
Trappers .....	313	.50	15	986	66	493	33	3.15	157
Trimmers .....	313	1.50	3	103	34	151	50	0.33	459
	313	1.65	4	116	29	192	48	0.37	518
Total .....	313	1.56½	7	219	31	343	49	0.70	490
Water hauler.....	313	2.00	1	20	20	40	40	0.06	626
Weighmaster.....	313	2.00	1	317	317	634	634	1.01	626
The establishment.....		(c)	507	(c)	(c)	d 63,948	126	(c)	(c)

a From earnings here given miners bought their own supplies at a cost of 42 cents per week.

b Paid by the quantity. The daily rate of pay and days of work done cannot be given.

c No total can be made for the reason shown in the preceding footnote.

d In addition \$4,507 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 210.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. 107.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ-ees.	Days of work done.		Earnings.		Necessary employ-ees.	Consequent average earnings per employ-é.
				Total.	Average.	Total.	Average.		
Blacksmith .....	313	\$2. 25	1	289	289	\$650	\$650	0. 92	\$704
Blacksmith's helper .....	313	1. 50	1	182	182	273	273	0. 58	470
Carpenter .....	313	2. 25	1	53	53	118	118	0. 17	697
Carpenter's helper .....	313	1. 50	1	55	55	82	82	0. 18	467
Drivers .....	313	1. 75	2	130	65	223	112	0. 42	537
	313	1. 85	2	27	14	50	25	0. 09	580
	313	2. 00	4	565	141	1, 129	282	1. 81	625
	313	2. 23	1	135	135	301	301	0. 43	698
Total .....	313	1. 98½	9	857	95	1, 703	189	2. 75	622
Engineers .....	313	2. 11	2	313	157	660	330	1. 00	660
Fire boss .....	313	2. 00	1	292	292	584	584	0. 93	626
Hookers-on .....	313	1. 40	1	127	127	178	178	0. 41	439
	313	1. 45½	1	159	159	231	231	0. 51	455
Total .....	313	1. 43	2	286	143	409	205	0. 92	448
Hostler .....	313	1. 50	1	116	116	173	173	0. 37	467
Laborers .....	313	1. 00	1	75	75	72	72	0. 24	300
	313	1. 25	7	133	19	166	24	0. 42	391
	313	1. 50	1	51	51	76	76	0. 16	466
	313	2. 00	3	100	33	201	67	0. 32	629
Total .....	313	1. 43½	12	359	30	515	43	1. 14	449
Mine boss .....	313	2. 68½	1	183	183	490	490	0. 58	838
Miners .....	313	(a, b)	255	(b)	(b)	a 29, 899	117	(b)	(b)
Miner and pumpman .....	313	(a, b)	1	(b)	(b)	a 174	174	(b)	(b)
Miner and water boy .....	313	(a, b)	1	(b)	(b)	a 294	294	(b)	(b)
Pit boss .....	313	2. 50	1	130	130	325	325	0. 42	783
Pumpmen .....	313	1. 00	2	54	27	54	27	0. 17	313
Roadmen .....	313	2. 00	3	216	72	427	142	0. 69	619
Tippelmen .....	313	. 75	1	182	182	140	140	0. 58	241
	313	1. 00	1	102	102	102	102	0. 33	313
	313	1. 25	1	8	8	10	10	0. 03	391
	313	1. 50	7	434	62	653	93	1. 39	471
	313	2. 00	1	1	1	2	2	0. 00	626
Total .....	313	1. 25	11	727	66	907	82	2. 33	390
Water boys .....	313	1. 75	2	130	65	227	114	0. 42	547
Woighmasters .....	313	2. 00	1	100	100	198	198	0. 32	620
	313	2. 37	1	192	192	455	455	0. 61	742
Total .....	313	2. 23½	2	292	146	653	327	0. 93	700
The establishment .....		(c)	310	(c)	(c)	d 38, 617	125	(c)	(c)

a From the earnings here given miners bought their own supplies at a cost of 73.5 cents per week.  
b Paid by the quantity. The daily rate of pay and days of work done cannot be given.

c No total can be made for the reason shown in the preceding footnote.

d In addition \$1,716 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 210.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. 109.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employés.	Days of work done.		Earnings.		Necessary employés.	Consequent average earnings per employé.
				Total.	Average.	Total.	Average.		
Blacksmiths .....	313	\$2.15	2	511	256	\$1,121	\$561	1.63	\$687
Carpenters .....	313	1.92 $\frac{1}{2}$	2	40	20	77	39	0.13	603
	313	2.00	1	19	19	37	37	0.06	610
	313	(a)	1	(a)	(a)	60	60	(a)	(a)
Total .....	313	(b)	4	(b)	(b)	174	44	(b)	(b)
Carpenter and rockman .....	313	2.11	1	9	9	19	19	0.03	661
Drivers .....	313	1.40	1	55	55	77	77	0.18	438
	313	1.50	2	47	24	71	36	0.15	473
	313	1.72 $\frac{1}{2}$	1	286	286	495	495	0.91	542
	313	1.80	2	35	18	63	32	0.11	563
	313	1.90	13	2,301	177	4,423	340	7.35	602
	313	2.00	10	948	95	1,901	190	3.03	628
Total .....	313	1.91 $\frac{1}{2}$	29	3,672	127	7,030	242	11.73	599
Driver and flagman .....	313	1.03 $\frac{1}{2}$	1	146	146	151	151	0.47	324
Drivers and miners .....	313	(a)	2	(a)	(a)	852	426	(a)	(a)
Driver and trapper .....	313	.63 $\frac{1}{2}$	1	142	142	90	90	0.45	198
Dumpers .....	313	1.25	5	223	45	279	56	0.71	392
	313	1.35	1	102	102	137	137	0.33	420
	313	1.50	2	497	249	748	374	1.59	471
Total .....	313	1.41 $\frac{1}{2}$	8	822	103	1,164	146	2.63	443
Engineers .....	313	2.00	2	173	87	351	176	0.55	635
Fanman .....	313	1.53 $\frac{1}{2}$	1	173	173	263	263	0.55	476
Fanman and weighman .....	313	1.68	1	194	194	326	326	0.62	526
Foreman .....	313	3.10	1	313	313	970	970	1.00	970
Laborers .....	313	.85	1	26	26	22	22	0.08	265
	313	.90	1	251	251	230	230	0.80	287
	313	1.00	1	68	68	70	70	0.22	322
	313	1.25	19	141	7	176	9	0.45	391
	313	1.33 $\frac{1}{2}$	1	3	3	4	4	0.01	417
	313	1.50	6	19	3	29	5	0.06	478
	313	1.55	1	148	148	231	231	0.47	489
	313	1.70	3	19	6	32	11	0.06	527
	313	1.80	2	250	125	445	223	0.80	557
	313	2.00	10	132	13	262	26	0.42	621
	313	(a)	3	(a)	(a)	124	41	(a)	(a)
Total .....	313	(b)	48	(b)	(b)	1,625	34	(b)	(b)
Laborers and miners .....	313	(a)	6	(a)	(a)	1,349	225	(a)	(a)
Laborers and trappers .....	313	.59 $\frac{1}{2}$	1	32	32	19	19	0.10	186
	313	.86 $\frac{1}{2}$	1	191	191	165	165	0.61	270
Total .....	313	.82 $\frac{1}{2}$	2	223	112	184	92	0.71	253
Miners .....	313	(a, c)	467	(a)	(a)	c106,686	228	(a)	(a)
Miners and rockmen .....	313	(a)	12	(a)	(a)	1,590	133	(a)	(a)
Miner and shifter .....	313	(a)	1	(a)	(a)	544	544	(a)	(a)
Office boy .....	313	.55	1	140	140	78	78	0.45	174
Oilier .....	313	.90	1	249	249	226	226	0.80	284
Policeman .....	313	.95 $\frac{1}{2}$	1	131	131	125	125	0.42	209
Repairers and rockmen .....	313	(a)	2	(a)	(a)	187	94	(a)	(a)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

c From the earnings here given miners paid 27.5 cents per week for oil and tool sharpening. They also furnished powder, but the cost is not known.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## B.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. 109—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Rockmen .....	313	\$1.75	1	4	4	\$7	\$7	0.01	\$548	
	313	1.80	1	5	5	9	9	0.02	563	
	313	2.00	4	90	23	180	45	0.29	626	
	313	(a)	3	(a)	(a)	29	10	(a)	(a)	
Total.....	313	(b)	9	(b)	(b)	225	25	(b)	(b)	
Shifter.....	313	1.80	1	236	236	429	429	0.75	509	
Timberman .....	313	2.00	1	279	279	568	568	0.89	637	
Trackmen .....	313	1.25	1	26	26	32	32	0.08	385	
	313	1.75	1	28	28	49	49	0.09	548	
	313	2.00	4	27	7	55	14	0.09	638	
	313	2.15	2	530	265	1,143	572	1.69	675	
Total.....	313	2.09½	8	611	76	1,279	160	1.95	655	
Trappers .....	313	.55	7	332	47	183	26	1.06	173	
	313	.63	6	404	67	255	43	1.29	198	
Total.....	313	.59½	13	736	57	438	34	2.35	186	
Weighmen.....	313	1.75	1	20	20	35	35	0.06	548	
	313	2.03	1	313	313	635	635	1.00	635	
Total.....	313	2.01	2	333	107	670	335	1.06	630	
The establishment.....	.....	(b)	628	(b)	(b)	c128,714	205	(b)	(b)	

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table VIII.]

Blacksmith .....	313	\$2.25	1	307	307	\$694	\$694	0.98	\$708
Blacksmith and miner .....	313	(a)	1	(a)	(a)	44	44	(a)	(a)
Blacksmiths' helper .....	313	1.70	1	10	10	17	17	0.03	532
Blacksmiths' helper and miner .....	313	(a)	1	(a)	(a)	231	231	(a)	(a)
Carpenters .....	313	2.00	1	10	10	20	20	0.03	626
	313	3.00	1	4	4	12	12	0.01	939
Total .....	313	2.28½	2	14	7	32	16	0.04	715
Drivers .....	313	1.85	8	1,340	168	2,484	311	4.28	560
Driver, boss .....	313	2.30	1	289	289	663	663	0.92	718
Drivers and miners .....	313	(a)	2	(a)	(a)	99	50	(a)	(a)
Dumpers .....	313	1.01	2	301	151	485	243	0.96	504
Engineers .....	313	2.00	2	25	13	40	25	0.08	613
	313	2.11½	1	278	278	588	588	0.89	662
Total .....	313	2.10	3	303	101	637	212	0.97	658
Grader, track .....	313	1.50	1	67	67	101	101	0.21	472
Greasers .....	313	.81½	2	230	115	187	94	0.73	254

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.

c In addition \$2,784 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 219.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. —.—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborer.....	313	\$1.30	1	10	10	\$13	\$13	0.03	\$407
Miners.....	313	(a, b)	227	(b)	(b)	58,615	258	(b)	(b)
Miners and shovellers.....	313	(b)	2	(b)	(b)	695	348	(b)	(b)
Pit boss.....	313	2.87½	1	313	313	900	900	1.00	900
Pumpman.....	313	1.30	1	10	10	13	13	0.03	407
Pusher.....	313	1.10	1	205	205	225	225	0.65	344
Roadmen.....	313	2.00	2	336	168	672	336	1.07	626
	313	2.15½	1	45	45	97	97	0.14	675
Total.....	313	2.02	3	381	127	769	256	1.21	632
Shovellers.....	313	1.60	5	52	10	82	16	0.17	494
	313	1.65	1	106	106	178	178	0.34	526
	313	1.75	9	923	103	1,602	178	2.95	543
Total.....	313	1.72	15	1,081	72	1,862	124	3.46	639
Trappers.....	313	.60	6	329	55	198	33	1.05	188
Watchman.....	313	2.00	1	25	25	50	50	0.08	626
Water haulers.....	313	1.75	2	496	248	868	434	1.58	548
Weighmaster.....	313	2.30	1	313	313	720	720	1.00	720
The establishment.....	.....	(c)	286	(c)	(c)	70,602	247	(c)	(c)

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table VIII.]

Blacksmiths.....	313	\$2.38	2	429	215	\$1,020	\$510	1.37	\$744
Cagemen.....	313	1.02	5	318	64	610	122	1.02	600
Carpenter.....	313	1.87½	1	290	290	560	560	0.93	604
Drillers.....	313	1.25	8	297	37	371	46	0.95	391
Driller and trapper.....	313	1.14	1	29	29	33	33	0.09	356
Drivers.....	313	1.87½	16	1,427	89	2,744	172	4.56	602
	313	2.00	23	1,199	52	2,343	102	3.83	612
Total.....	313	1.93½	39	2,626	67	5,087	130	8.39	606
Driver and miner.....	313	2.02	1	92	92	186	186	0.29	633
Driver and slag hauler.....	313	1.43	1	79	79	113	113	0.25	448
Dumpers.....	313	1.50	2	115	58	172	86	0.37	468
	313	1.62½	1	175	175	274	274	0.56	400
Total.....	313	1.54	3	290	97	446	149	0.93	481
Dumper, boss.....	313	2.25	1	208	208	459	459	0.66	601
Dumper and trimmer.....	313	1.75½	1	82	82	144	144	0.26	550
Engineer.....	313	1.50	1	187	187	280	280	0.60	469
Engineer, hoisting.....	313	2.25	1	253	253	554	554	0.81	685
Fireman.....	313	1.75	1	263	263	444	444	0.84	528

a No information in regard to miners' supplies.

b Paid by the quantity. The daily rate of pay and days of work done cannot be given.

c No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborers .....	313 313	\$1.25 1.38	16 1	112 226	7 226	\$140 312	\$9 312	0.36 0.72	\$391 432
Total .....	313	1.33½	17	338	20	452	27	1.08	419
Mason .....	313	2.33½	1	3	3	7	7	0.01	730
Miners.....	313 313 313 313	α 1.40 α 1.87½ α 2.06 α 2.20	1 1 18 264	5 16 952 27,558	5 16 53 104	α 7 α 30 α 1,959 α 60,616	7 30 109 230	0.02 0.05 3.04 88.04	438 587 644 688
Total .....	313	α 2.19½	284	28,531	100	α 62,612	220	91.15	687
Miners and tracklayers.....	313	2.10	2	120	60	252	126	0.38	657
Miners and trappers.....	313	1.70½	2	88	44	150	75	0.28	534
Miner and water hauler.....	313	1.87½	1	88	88	165	165	0.28	587
Pipe layer .....	313	2.00	1	153	153	306	306	0.49	626
Pit bosses .....	313	1.67	2	389	195	650	325	1.24	523
Pumpmen .....	313	1.12½	2	467	234	525	263	1.49	352
Pumpman and trapper .....	313	.97½	1	129	129	126	126	0.41	306
Pushers .....	313	1.35½	2	331	166	449	225	1.06	425
Slack handlers.....	313	1.25	4	75	19	96	24	0.24	401
Slack hauler and trapper .....	313	.94½	1	38	38	36	36	0.12	297
Slack shovellers.....	313	1.33½	2	9	5	12	6	0.03	417
Slack shoveller and trapper .....	313	1.00	1	2	2	2	2	0.01	313
Stable boss .....	365	.98½	1	365	365	360	360	1.00	360
Teamster .....	313	1.50	1	300	300	450	450	0.96	470
Tracklayers .....	313 313 313 313	1.87½ 2.00 2.12½ 2.25	3 3 4 1	140 95 267 154	47 32 67 154	264 189 576 339	88 63 144 339	0.45 0.30 0.85 0.49	590 623 675 689
Total .....	313	2.08½	11	656	60	1,368	124	2.09	653
Tracklayer and trapper .....	313	1.50	1	6	6	9	9	0.02	470
Trappers .....	313 313 313	.65 .80 .95½	6 24 1	40 1,302 109	7 54 109	27 1,034 104	5 43 104	0.13 4.16 0.35	211 249 299
Total .....	313	.80½	31	1,451	47	1,165	38	4.64	251
Trimmers.....	313	1.55	4	404	101	627	157	1.29	486
Trimmer, boss .....	313	1.88½	1	272	272	512	512	0.87	589
Watchman .....	365	1.64	1	286	286	469	469	0.78	539
Water haulers.....	313	1.50	4	155	39	231	58	0.50	466
Weighmaster.....	313	2.30	1	313	313	720	720	1.00	720
The establishment.....	.....	2.03	445	40,412	91	82,058	184	128.81	637

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table VIII.]

Blacksmiths .....	313 313	\$2.15 2.25	3 2	438 173	163 87	\$1,058 387	\$353 194	1.56 0.55	\$679 700
Total .....	313	2.18½	5	661	132	1,445	289	2.11	684
Blasters .....	313 313 313	1.33½ 1.50 2.00	1 1 1	3 18 14	3 18 14	4 27 28	4 27 28	0.01 0.06 0.04	417 470 626
Total .....	313	1.68½	3	35	12	59	20	0.11	528

α From earnings here given miners bought their own supplies at a cost of \$1.03 per week.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blasters and head cutters.....	365	(a)	2	(a)	(a)	\$169	\$85	(a)	(a)
Carpenters .....	313	\$1.87½	1	7	7	13	13	0.02	\$581
	313	2.00	3	91	30	182	61	0.29	626
	313	2.25	1	11	11	24	24	0.04	683
Total .....	313	2.01	5	109	22	219	44	0.35	629
Civil engineers .....	313	1.50	3	10	3	15	5	0.03	470
	313	1.75	1	8	8	14	14	0.03	548
	313	1.90	1	27	27	51	51	0.09	591
Total .....	313	1.78	5	45	9	80	16	0.15	556
Drivers .....	313	1.15	1	7	7	8	8	0.02	358
	313	1.80	2	106	53	191	96	0.34	564
	313	1.90	8	1,288	161	2,479	310	4.12	602
	313	2.00	14	965	69	1,941	139	3.08	630
	313	2.25	1	25	25	56	56	0.08	701
Total .....	313	1.95½	26	2,391	92	4,675	180	7.64	612
Drivers and miners.....	313	(a)	7	(a)	(a)	2,093	299	(a)	(a)
Dumpers .....	313	1.40	4	519	130	749	187	1.66	452
	313	1.60	5	245	49	393	79	0.78	502
Total .....	313	1.49½	9	764	85	1,142	127	2.44	468
Dumper and miner .....	313	(a)	1	(a)	(a)	369	369	(a)	(a)
Dnmper and oiler.....	313	1.29	1	134	134	173	173	0.43	404
Engineers .....	313	1.26½	1	288	288	365	365	0.92	397
	313	2.00	1	299	299	625	625	0.96	654
	313	2.50	1	286	286	700	700	0.91	766
Total .....	313	1.93½	3	873	291	1,690	563	2.79	606
Engineer and fireman.....	365	1.90	1	346	346	657	657	0.95	693
Firemen .....	365	1.65	1	102	102	170	170	0.28	608
	365	1.85	1	326	326	595	595	0.89	666
Total .....	365	1.78½	2	428	214	765	383	1.17	652
Fireman and miner .....	365	(a)	1	(a)	(a)	148	148	(a)	(a)
Foreman .....	313	3.10	1	313	313	970	970	1.00	970
Head cutters.....	365	(a)	12	(a)	(a)	1,074	90	(a)	(a)
Head cutters and miners.....	365	(a)	17	(a)	(a)	6,854	403	(a)	(a)
Laborers.....	313	.65	1	11	11	7	7	0.04	199
	313	1.00	1	47	47	47	47	0.15	313
	313	1.25	5	120	24	150	30	0.38	391
	313	1.40	2	101	51	142	71	0.32	440
	313	1.50	12	335	28	504	42	1.07	471
	313	1.60	4	105	26	169	42	0.34	504
	313	1.75	4	82	21	143	36	0.26	546
	313	1.90	1	284	284	543	543	0.91	598
	313	2.00	10	542	54	1,084	108	1.73	626
	313	2.25	1	19	19	43	43	0.06	708
Total .....	313	1.72	41	1,646	40	2,832	69	5.26	539
Laborers and miners.....	365	(a)	12	(a)	(a)	2,594	216	(a)	(a)

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. —, —Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- ees.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.	
				Total.	Aver- age.	Total.	Aver- age.			
Mason .....	313	\$2. 25	1	4	4	\$9	\$9	0. 01	\$704	
Mechanic .....	313	2. 60	1	5	5	13	13	0. 02	814	
Miners .....	365	(a, b)	434	(b)	(b)	a 78, 168	180	(b)	(b)	
Miner and propman .....	365	(b)	1	(b)	(b)	245	245	(b)	(b)	
Miner and pumpman .....	365	(b)	1	(b)	(b)	324	324	(b)	(b)	
Miner and shifter .....	365	(b)	1	(b)	(b)	476	476	(b)	(b)	
Miner and trapper .....	365	(b)	1	(b)	(b)	145	145	(b)	(b)	
Office boy .....	313	.50	1	4	4	2	2	0. 01	157	
Oilers .....	313	1. 00	1	7	7	7	7	0. 02	313	
	313	1. 20	1	20	20	24	24	0. 06	376	
Total .....	313	1. 15	2	27	14	31	16	0. 08	359	
Oilier and trapper .....	313	. 93	1	262	262	244	244	0. 84	291	
Policemen .....	313	. 95½	2	163	82	156	78	0. 52	300	
Propman and weighman .....	313	1. 87½	1	118	118	221	221	0. 38	586	
Pumpmen .....	313	1. 50	3	368	123	552	184	1. 18	470	
	313	1. 60	3	313	104	512	171	1. 00	512	
Total .....	313	1. 56	6	681	114	1, 064	177	2. 18	489	
Shifter .....	313	1. 80	1	254	254	453	453	0. 81	558	
Slate picker .....	313	1. 50	1	241	241	384	384	0. 77	499	
Stable boss .....	365	1. 61	1	365	365	588	588	1. 00	588	
Tracklayer .....	313	2. 15	1	517	317	692	692	1. 01	683	
Trappers .....	313	. 61½	25	1, 459	58	894	36	4. 66	192	
Watchman .....	313	1. 75	1	25	25	44	44	0. 08	551	
Weighmasters .....	313	1. 50	1	97	97	147	147	0. 31	474	
	313	2. 24½	1	236	236	530	530	0. 75	703	
Total .....	313	2. 03½	2	333	167	677	339	1. 06	636	
The establishment .....		(c)	639	(c)	(c)	112, 838	177	(c)	(c)	

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table VIII.]

Blacksmiths .....	313	\$2. 00	6	818	136	\$1, 624	\$271	2. 61	\$621
	313	2. 50	5	672	134	1, 678	336	2. 15	782
Total .....	313	2. 21½	11	1, 490	135	3, 302	300	4. 76	694
Blacksmiths' helpers .....	313	1. 00	11	586	53	587	53	1. 87	314
	313	1. 25	9	635	71	807	90	2. 03	398
	313	1. 50	4	76	19	114	29	0. 24	470
	313	1. 75	2	129	65	217	109	0. 41	527
Total .....	313	1. 21	26	1, 426	55	1, 725	66	4. 55	379
Blacksmiths' helpers and haulers ..	313	1. 13	2	116	58	131	66	0. 37	353

a No information in regard to miners' supplies.

b Paid by the quantity. The daily rate of pay and days of work done cannot be given.

c No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Carpenters .....	313	\$1.00	2	4	2	\$4	\$2	0.01	\$313
	313	1.25	1	17	17	21	21	0.05	387
	313	1.40	6	251	42	354	59	0.80	441
	313	1.50	24	1,602	67	2,422	101	5.12	473
	313	1.60	1	9	9	14	14	0.03	487
	313	1.75	2	138	69	237	119	0.44	538
	313	1.87½	3	359	120	673	224	1.15	587
	313	2.00	8	895	112	1,764	221	2.86	617
	313	2.50	1	251	251	628	628	0.80	783
	313	2.01½	1	224	224	670	670	0.72	936
	313	4.80	1	5	5	24	24	0.02	1,502
Total .....	313	1.81½	50	3,755	75	6,811	136	12.00	568
Carpenter and laborer .....	313	1.32½	1	37	37	49	49	0.12	415
Carpenters and miners .....	313	1.74½	3	121	40	211	70	0.39	546
Entrymen .....	313	0.80	1	31	31	25	25	0.10	252
	313	1.00	17	68	4	69	4	0.22	318
	313	1.25	9	135	15	168	19	0.43	390
	313	1.40	3	103	34	144	48	0.33	438
	313	1.50	12	157	13	246	21	0.50	490
	313	2.00	14	193	14	386	28	0.62	626
	313	2.25	2	46	23	104	52	0.15	708
	313	2.66½	1	3	3	8	8	0.01	835
	313	(a)	29	(a)	(a)	3,375	116	(a)	(a)
	Total .....	313	(b)	88	(b)	(b)	4,525	51	(b)
Entrymen and haulers .....	313	1.47	5	261	52	384	77	0.83	461
Entrymen and laborers .....	313	(a)	6	(a)	(a)	830	138	(a)	(a)
Entrymen and miners .....	313	1.51	2	43	22	65	33	0.14	473
	313	2.01	1	119	119	239	239	0.38	629
Total .....	313	1.87½	3	162	54	304	101	0.52	587
Entryman and timberman .....	313	(a)	1	(a)	(a)	162	162	(a)	(a)
Entryman and water boiler .....	313	.67½	1	62	62	42	42	0.20	212
Foreman, haulers .....	313	2.25	1	235	235	522	522	0.75	695
Foremen, laborers .....	313	1.34	3	576	192	768	256	1.84	417
	313	1.72½	2	402	201	677	339	1.28	527
	313	3.00	1	8	8	24	24	0.03	939
Total .....	313	1.49	6	986	164	1,469	245	3.15	466
Haulers .....	313	.45	1	76	76	34	34	0.24	140
	313	.50	18	851	47	428	24	2.72	157
	313	.60	4	172	43	103	26	0.55	187
	313	.70	1	214	214	146	146	0.68	214
	313	.75	6	144	24	108	18	0.46	235
	313	.90	2	206	103	178	89	0.66	270
	313	1.00	23	544	24	557	24	1.74	320
	313	1.10	5	200	40	218	44	0.64	341
	313	1.15	2	60	30	68	34	0.19	355
	313	1.20	2	69	35	83	42	0.22	377
	313	1.25	17	323	19	405	24	1.08	392
	313	1.35	6	410	68	545	91	1.31	416
	313	1.45	8	185	23	269	34	0.59	455
	313	1.50	19	682	36	1,031	54	2.18	473
	313	1.66½	6	564	94	908	151	1.80	504
	313	1.75	4	11	3	19	5	0.04	541
	313	1.91½	4	538	135	1,027	257	1.72	597

<sup>a</sup> Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
<sup>b</sup> No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## R.—Bituminous Coal: UNITED STATES—Continued.

ESTABLISHMENT No. —. —Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Necess- sary em- ployés.	Conse- quent average earnings per employé.
				Total.	Aver- age.	Total.	Aver- age.		
Haulers—concluded .....	313	\$2.00	16	172	11	\$342	\$21	0.55	\$622
	313	2.25	3	139	46	314	105	0.44	707
	313	(a)	14	(a)	(a)	1,970	141	(a)	(a)
Total .....	313	(b)	161	(b)	(b)	8,753	54	(b)	(b)
Haulers and laborers .....	313	.66½	1	299	299	199	199	0.96	208
	313	.97	3	98	33	95	32	0.31	303
	313	1.32	5	370	74	489	98	1.18	414
	313	1.46	1	13	13	19	19	0.04	457
	313	1.94½	1	142	142	276	276	0.45	608
	313	(a)	2	(a)	(a)	386	193	(a)	(a)
Total .....	313	(b)	13	(b)	(b)	1,464	113	(b)	(b)
Haulers and miners .....	313	1.49	4	196	49	292	73	0.63	466
	313	1.70	19	1,433	75	2,437	128	4.58	532
	313	2.02½	1	124	124	251	251	0.40	634
	313	2.48	1	263	263	653	653	0.84	777
	313	(a)	2	(a)	(a)	389	195	(a)	(a)
Total .....	313	(b)	27	(b)	(b)	4,022	149	(b)	(b)
Hauler and switchman .....	313	1.50	1	2	2	3	3	0.01	470
Hauler and trammer .....	313	2.15	1	241	241	518	518	0.77	673
Hauler and water boiler .....	313	.55	1	62	62	34	34	0.20	172
Laborers .....	313	.40	1	55	55	22	22	0.18	125
	313	.50	1	108	108	54	54	0.35	157
	313	.60	1	21	21	13	13	0.07	194
	313	.65	1	16	16	10	10	0.05	196
	313	.75	6	294	49	213	36	0.94	227
	313	.80	4	85	21	69	17	0.27	254
	313	1.00	60	884	15	897	15	2.82	318
	313	1.10	8	203	25	223	28	0.65	344
	313	1.15	4	172	43	201	50	0.55	366
	313	1.25	33	1,295	39	1,618	49	4.14	391
	313	1.35	6	309	52	414	69	0.99	419
	313	1.40	6	222	37	311	52	0.71	438
	313	1.50	16	530	33	798	50	1.69	471
	313	1.65	4	422	106	688	172	1.35	510
	313	1.87	2	39	20	73	37	0.12	586
	313	2.00	11	128	12	257	23	0.41	628
	313	(a)	124	(a)	(a)	11,235	91	(a)	(a)
Total .....	313	(b)	288	(b)	(b)	17,096	59	(b)	(b)
Laborers and miners .....	313	1.23½	3	144	48	178	59	0.46	387
	313	1.59½	5	325	65	518	104	1.04	499
	313	1.71½	5	179	36	307	61	0.57	537
	313	1.97½	5	288	58	569	114	0.92	618
	313	(a)	45	(a)	(a)	6,666	148	(a)	(a)
Total .....	313	(b)	63	(b)	(b)	8,238	131	(b)	(b)
Laborer and timberman .....	313	(a)	1	(a)	(a)	214	214	(a)	(a)
Laborer and tram-car repairor	313	1.34	1	75	75	101	101	0.24	422
Laborer and tram-road re- pairer.	313	(a)	1	(a)	(a)	42	42	(a)	(a)
Laborer and trammer .....	313	1.66½	1	21	21	35	35	0.07	522
Machinists .....	313	1.00	2	5	3	5	3	0.02	313
	313	2.00	1	28	28	57	57	0.69	637
Total .....	313	1.88	3	33	11	62	21	0.11	588

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason shown in the preceding footnote.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

**R.—Bituminous Coal: UNITED STATES—Concluded.**

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Miners .....	313	a \$2. 00	812	45, 638	56	a \$91, 376	\$113	145. 97	\$626	
Miner and tram-road repairer ..	313	(b)	1	(b)	(b)	110	110	(b)	(b)	
Teamsters .....	313	. 75	2	7	4	5	3	0. 02	224	
	313	1. 00	16	103	6	104	7	0. 33	316	
	313	1. 15	2	67	34	78	39	0. 21	364	
	313	1. 25	8	408	51	502	63	1. 30	385	
	313	1. 40	1	229	229	317	317	0. 73	433	
	313	1. 68	1	70	70	117	117	0. 22	523	
	313	2. 33½	2	9	5	21	11	0. 03	730	
Total .....	313	1. 28	32	893	28	1, 144	36	2. 84	401	
Teamster and tram-road re- pairer.	313	1. 25	1	4	4	5	5	0. 01	391	
Timbermen .....	313	(a)	23	(a)	(a)	3, 317	144	(a)	(a)	
Tram-road repairers .....	313	1. 50	2	268	134	413	207	0. 86	482	
	313	2. 00	7	382	55	763	109	1. 22	625	
	313	2. 12½	1	160	160	340	340	0. 51	665	
Total .....	313	1. 87	10	810	81	1, 516	152	2. 59	586	
Trammers .....	313	. 50	1	44	44	22	22	0. 14	157	
	313	1. 00	7	14	2	14	2	0. 04	313	
	313	1. 50	1	2	2	3	3	0. 01	470	
Total .....	313	. 65	9	60	7	39	4	0. 19	203	
Water boilers .....	313	1. 09	6	394	66	429	72	1. 26	341	
The establishment .....	.....	(c)	1, 660	(c)	(c)	158, 985	96	(c)	(c)	

**S.—Bituminous Coal: DOMINION OF CANADA.**

ESTABLISHMENT No. 148.

Bankmen .....	313	\$1. 10	7	1, 716	245	\$1, 896	\$271	5. 48	\$346
	313	1. 20	1	318	318	381	381	1. 02	375
Total .....	313	1. 12	8	2, 034	254	2, 277	285	6. 50	350
Blacksmiths .....	313	1. 10	2	497	249	546	273	1. 59	344
	313	1. 25	1	239	239	298	298	0. 76	390
	313	1. 60	1	307	307	491	491	0. 98	501
Total .....	313	1. 28	4	1, 043	261	1, 335	334	3. 33	401
Bottomers .....	313	. 80	3	668	223	549	183	2. 13	257
	313	. 90	2	359	180	323	162	1. 15	282
	313	1. 25	1	329	329	411	411	1. 05	391
Total .....	313	. 94½	6	1, 356	226	1, 283	214	4. 33	296
Brakemen, incline .....	313	. 50	1	302	302	151	151	0. 96	157
	313	. 65	3	706	235	463	154	2. 26	205
	313	. 75	2	495	248	382	191	1. 58	242
	313	. 90	7	1, 242	177	1, 096	157	3. 97	276
Total .....	313	. 76	13	2, 745	211	2, 092	161	8. 77	239

a No information in regard to miners' supplies.

b Paid by the quantity. The daily rate of pay and days of work done cannot be given.

c No total can be made for the reason shown in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## S.—Bituminous Coal: DOMINION OF CANADA—Continued.

ESTABLISHMENT No. 148—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Carpenters .....	313	\$1.25	2	614	307	\$767	\$384	1.96	\$391	
	313	1.30	2	234	117	305	153	0.75	408	
	313	1.35	1	34	34	45	45	0.11	414	
	313	1.40	1	259	259	363	363	0.83	439	
	313	2.25	1	277	277	623	623	0.88	704	
Total .....	313	1.48½	7	1,418	203	2,103	300	4.53	464	
Deputy overmen .....	313	1.40	1	262	262	367	367	0.84	438	
	313	1.45	2	574	287	832	416	1.83	454	
	313	1.50	1	296	296	443	443	0.95	468	
Total .....	313	1.45	4	1,132	283	1,642	411	3.62	454	
Drivers .....	313	.65	5	761	152	482	96	2.43	198	
Drivers and laborers .....	313	.69½	2	409	235	326	163	1.50	218	
Driver and miners' helper .....	313	1.02½	1	237	237	243	243	0.76	521	
Enginemén, fan .....	365	1.20	2	763	382	915	458	2.09	438	
Enginemén, hauling .....	313	1.20	2	475	238	569	285	1.52	375	
Enginemán, winding .....	313	1.25	1	330	330	412	412	1.05	391	
Extra hand .....	313	1.00	1	252	252	252	252	0.81	313	
Firemen .....	313	.80	1	270	270	215	215	0.86	249	
	313	.90	1	314	314	283	283	1.00	282	
	365	1.15	3	597	199	686	229	1.64	419	
Total .....	337	1.00½	5	1,181	236	1,184	237	3.50	338	
Laborers, surface .....	313	.50	5	453	91	226	45	1.45	156	
	313	.60	1	245	245	143	143	0.78	183	
	313	.70	2	144	72	101	51	0.46	220	
	313	.85	1	7	7	6	6	0.02	268	
	313	.90	1	292	292	265	265	0.93	284	
	313	1.00	9	1,399	155	1,416	157	4.47	317	
	313	1.05	3	632	211	661	220	2.02	327	
	313	1.10	2	310	155	341	171	0.99	344	
Total .....	313	.90½	24	3,482	145	3,159	132	11.12	284	
Laborers, underground .....	313	.50	1	164	164	82	82	0.52	157	
	313	.65	1	309	309	197	197	0.99	200	
	313	.90	2	143	72	129	65	0.46	282	
	313	1.10	8	1,326	166	1,435	179	4.24	339	
	313	1.20	14	1,865	133	2,238	160	5.96	376	
	313	1.35	1	285	285	384	384	0.91	422	
	313	1.40	1	286	286	402	402	0.91	440	
	313	1.45	1	333	333	483	483	1.06	454	
Total .....	313	1.13½	29	4,711	162	5,350	184	15.05	335	
Laborers and miners' helpers .....	313	1.09½	2	190	95	208	104	0.61	343	
Lampmen .....	313	.50	1	323	323	161	161	1.03	156	
	313	1.10	3	730	243	802	267	2.33	344	
	313	1.25	1	342	342	427	427	1.09	391	
Total .....	313	.99½	5	1,395	279	1,390	278	4.45	312	
Machinists .....	313	1.30	1	340	340	441	441	1.09	406	
	313	2.22½	1	313	313	696	696	1.00	696	
Total .....	313	1.74	2	653	327	1,137	569	2.09	545	
Mason .....	313	2.00	1	310	310	620	620	0.99	626	
Mason's helper .....	313	1.20	1	308	308	360	360	0.98	366	
Mine boss .....	313	3.83½	1	313	313	1,200	1,200	1.00	1,200	

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## S.—Bituminous Coal: DOMINION OF CANADA—Concluded.

ESTABLISHMENT No. 148—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Mine bosses, assistant .....	365 365	\$1. 86 2. 00	1 1	365 365	365 365	\$589 730	\$589 730	1. 00 1. 00	\$589 730
Total .....	365	1. 80½	2	730	365	1, 319	660	2. 00	660
Miners .....	313 313 313 313 313	a 1. 51½ a 1. 75½ a 1. 92½ a 2. 24 a 2. 48	15 34 24 9 4	3, 245 7, 659 5, 814 2, 390 1, 029	216 225 242 266 257	a 4, 922 a 13, 438 a 11, 188 a 5, 357 a 2, 554	328 395 466 595 639	10. 37 24. 47 18. 58 7. 64 3. 29	475 549 602 702 777
Total .....	313	a 1. 86	86	20, 137	234	a 37, 459	436	64. 35	582
Miners and miners' helpers...	313 313 313 313	1. 26 1. 59½ 1. 76 2. 16	1 5 1 1	222 1, 086 157 217	222 217 157 217	280 1, 734 276 469	280 347 276 469	0. 71 3. 47 0. 50 0. 69	395 500 550 676
Total .....	313	1. 64	8	1, 682	210	2, 759	345	5. 37	513
Miners and timbermen .....	313 313	1. 48 1. 74	4 1	862 277	210 277	1, 274 482	319 482	2. 75 0. 88	463 545
Total .....	313	1. 54	5	1, 139	228	1, 756	351	3. 63	483
Miners' helpers .....	313 313	1. 20 1. 30	43 2	5, 667 523	132 262	6, 836 676	159 338	18. 11 1. 67	378 405
Total .....	313	1. 21½	45	6, 190	138	7, 512	167	19. 78	380
Pick handler .....	313	1. 15	1	292	292	335	335	0. 93	359
Plate layers .....	313	1. 10	2	333	167	366	183	1. 06	344
Pumpman .....	313	1. 35	1	316	316	427	427	1. 01	423
Screeners .....	313 313	. 50 1. 10	1 5	266 1, 363	266 273	133 1, 500	133 300	0. 85 4. 35	157 314
Total .....	313	1. 00	6	1, 629	272	1, 633	272	5. 20	314
Slag hauler .....	313	1. 10	1	211	211	224	224	0. 67	332
Stablemen .....	365 365	1. 00 1. 20	1 1	337 353	337 353	337 424	337 424	0. 92 0. 97	365 436
Total .....	365	1. 10½	2	690	345	761	381	1. 89	403
Storekeeper and timekeeper.	313	2. 11½	1	312	312	660	660	1. 00	662
Timbermen .....	313 313 313 313	1. 30 1. 35 1. 40 1. 45	13 12 4 2	1, 680 2, 942 1, 122 550	129 245 281 275	2, 202 3, 968 1, 569 799	169 331 392 400	5. 37 9. 40 3. 58 1. 76	410 422 438 455
Total .....	313	1. 35½	31	6, 294	203	8, 538	275	20. 11	425
Trappers .....	313	. 40	6	803	134	330	55	2. 57	129
Watchman .....	365	1. 00	1	353	353	353	353	0. 97	365
Weighmen .....	313 313	. 90 1. 10	1 1	311 301	311 301	280 331	280 331	0. 99 0. 96	282 344
Total .....	313	1. 00	2	612	306	611	306	1. 95	312
The establishment .....		1. 39	326	67, 281	206	93, 582	287	213. 52	438

a Miners' supplies are furnished by the company.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## T.—Bituminous Coal: CONTINENT OF EUROPE.

ESTABLISHMENT No. 156.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Brakemen .....	77	\$0.25	3	106	35	\$27	\$9	1.38	\$20
	77	.29	2	145	73	42	21	1.88	22
Total .....	77	.27½	5	251	50	69	14	3.26	21
Cagemen .....	77	.58	1	58	58	34	34	0.75	45
	77	.62	2	126	63	79	40	1.63	48
	77	.65½	1	17	17	11	11	0.22	50
	77	.69½	2	91	46	63	32	1.18	53
Total .....	77	.64	6	292	49	187	31	3.78	49
Cleaners.....	77	.25	2	107	54	27	14	1.39	19
Cleaners, lamp.....	77	.31	1	77	77	24	24	1.00	24
	77	.37	1	76	76	28	28	0.99	28
Total .....	77	.34	2	153	77	52	26	1.99	26
Drivers.....	77	.34	1	70	70	24	24	0.91	26
	77	.38½	1	65	65	25	25	0.84	30
	77	.46½	1	70	70	32	32	0.91	35
	77	.58	1	73	73	43	43	0.95	45
	77	.60	1	71	71	42	42	0.92	46
	77	.62	1	8	8	5	5	0.10	48
	77	.63½	1	44	44	28	28	0.57	49
	77	.71½	1	73	73	53	53	0.95	56
	77	.96½	1	2	2	2	2	0.03	77
Total .....	77	.53½	9	476	53	254	28	6.18	41
Dumpers .....	77	.23	1	4	4	1	1	0.05	19
	77	.29	1	74	74	21	21	0.96	22
	77	.58	1	75	75	43	43	0.97	44
Total .....	77	.42½	3	153	51	65	22	1.98	33
Engineers .....	77	.68	2	87	44	59	30	1.13	52
	77	.87	2	174	87	151	76	2.26	67
Total .....	77	.80½	4	261	65	210	53	3.39	62
Firemen.....	77	.48	1	12	12	6	6	0.16	39
	77	.51	2	37	19	19	10	0.48	40
	77	.60	6	223	37	133	22	2.90	46
Total .....	77	.58	9	272	30	158	18	3.54	45
Foreman.....	77	.62	1	88	88	54	54	1.14	47
Gallery cutters.....	77	.91½	34	1,187	35	1,084	32	15.42	70
	77	1.06	43	2,191	51	2,323	54	28.45	82
	77	1.24½	1	16	16	20	20	0.21	96
Total .....	77	1.01	78	3,394	44	3,427	44	44.08	78
Gallery cutter and miner....	77	1.00	1	74	74	74	74	0.96	77
Gallery cutters' helpers.....	77	.25	1	25	25	6	6	0.32	18
	77	.28	2	147	74	41	21	1.91	21
	77	.30	2	129	65	39	20	1.68	23
	77	.31	1	75	75	23	23	0.97	24
	77	.32	3	180	60	57	19	2.34	24
	77	.34	2	63	32	21	11	0.82	26
	77	.35½	2	135	68	48	24	1.75	27
	77	.42½	3	123	41	51	17	1.60	32



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## T.—Bituminous Coal: CONTINENT OF EUROPE—Continued.

ESTABLISHMENT No. 156—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Cense- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Gallery cutters' helpers—con- cluded.	77 77 77 77 77 77 77 77 77 77 77 77 77	\$0.44½ .46½ .48 .50 .51 .52 .53 .54 .67½ .72½ .77 .87 .89½ .96½	3 3 1 1 1 1 13 5 3 3 5 4 4 1	121 224 25 75 66 65 710 116 105 73 237 71 87 2	40 75 25 75 66 65 55 23 35 24 47 18 22 2	\$55 105 12 38 34 34 377 63 68 53 182 61 78 2	\$18 35 12 38 34 34 29 13 23 18 36 15 20 2	1.57 2.91 0.32 0.97 0.86 0.84 9.22 1.51 1.36 0.95 3.08 0.92 1.13 0.03	\$35 36 37 39 40 40 41 42 50 56 59 66 69 77
Total .....	77	.50½	64	2,854	45	1,448	23	37.06	39
Gallery repairers.....	77 77 77 77 77 77	.72 .77 .87 .92½ .96½ 1.00	2 5 13 4 14 2	4 209 230 125 571 4	2 42 18 31 41 2	3 166 202 117 551 4	2 33 16 29 39 2	0.05 2.71 2.99 1.62 7.42 0.05	58 61 68 72 74 77
Total .....	77	.91½	40	1,143	29	1,043	26	14.84	70
Gallery repairer and miner... Haulers .....	77 77	.94½ .29	1 2	19 143	19 72	18 41	18 21	0.25 1.86	73 22
Inclined-plane men.....	77 77 77 77 77 77	.25 .34½ .38½ .62 .63½ .71½	1 4 2 7 2 4	9 200 73 314 58 97	9 50 37 45 29 24	2 70 28 196 37 68	2 18 14 28 19 17	0.12 2.60 0.95 4.08 0.75 1.26	17 27 30 48 49 54
Total .....	77	.53½	20	751	38	401	20	9.76	41
Laborers .....	77	.60	5	10	2	6	1	0.13	46
Loaders .....	77 77 77 77 77 77 77 77	.58 .62 .66½ .67½ .75½ .90½ 1.00	1 2 1 13 1 1 1	35 41 12 694 49 65 14	35 21 12 53 40 65 14	20 25 8 469 37 59 14	20 13 8 36 37 59 14	0.45 0.53 0.16 9.01 0.64 0.84 0.18	44 47 51 52 58 70 77
Total .....	77	.69½	20	910	46	632	32	11.81	53
Markers .....	77	.52½	2	82	41	43	22	1.07	40
Masons .....	77	.82	2	11	6	9	5	0.14	63
Masons' helper.....	77	.57	1	7	7	4	4	0.09	44
Mechanic.....	77	1.91½	1	75	75	144	144	0.97	148
Mine bosses .....	77 77	1.03½ 1.26½	3 3	209 206	70 69	216 261	72 87	2.71 2.68	80 93
Total .....	77	1.15	6	415	69	477	80	5.39	89
Mine bosses, assistant .....	77	.77	6	245	41	195	33	3.18	61
Mine boss, chief .....	77	1.52½	1	73	73	111	111	0.95	117
Miners .....	77 77	a .98½ a 1.11	94 40	4,331 2,054	46 51	a 4,258 a 2,277	45 57	56.25 26.68	76 85
Total .....	77	a 1.02½	134	6,385	48	a 6,535	49	82.93	79

a From the earnings here given miners bought their own powder at a cost of 25 cents per week.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## T.—Bituminous Coal: CONTINENT OF EUROPE—Concluded.

ESTABLISHMENT No. 156—Concluded.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
				Total.	Aver- age.	Total.	Aver- age.		
Miners' helpers.....	77	\$0.34	1	12	12	\$4	\$4	0.16	\$26
	77	.34½	1	43	43	15	15	0.56	27
	77	.43½	2	122	61	53	27	1.58	33
	77	.48½	1	65	65	31	31	0.84	37
	77	.49	2	127	64	63	32	1.65	38
	77	.50	1	48	48	24	24	0.62	39
	77	.58	3	113	38	66	22	1.47	45
	77	.60	1	65	65	39	39	0.84	46
	77	.61½	1	54	54	33	33	0.70	47
	77	.62	4	161	40	100	25	2.09	48
	77	.63½	3	192	64	122	41	2.49	49
	77	.67½	1	45	45	30	30	0.58	51
	77	.83½	1	18	18	15	15	0.23	64
	77	.89	1	9	9	8	8	0.12	68
Total.....	77	.56	23	1,074	47	603	26	13.93	43
Oilers.....	77	.29	3	72	24	21	7	0.94	22
	77	.50	1	34	34	17	17	0.44	39
Total.....	77	.36	4	106	27	38	10	1.38	28
Pickers.....	77	.25½	3	213	71	54	18	2.77	20
Pumpmen.....	77	.58	1	79	79	46	46	1.03	45
	77	.60	1	70	70	42	42	0.91	46
Total.....	77	.59	2	149	75	88	44	1.94	45
Sorters.....	77	.29	1	73	73	21	21	0.95	22
	77	.51	5	166	33	86	17	2.16	40
Total.....	77	.45	6	239	40	107	18	3.11	34
Sorters, chief.....	77	.60	3	160	53	97	32	2.08	47
Stablemen.....	77	.61½	5	159	32	98	20	2.06	47
Watchman.....	77	.96	1	78	78	75	75	1.01	74
The establishment.....	.....	.81	472	20,822	44	a 16,844	36	270.40	62

ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table VIII.]

Engineer.....	52	\$0.73	1	59	59	\$43	\$43	1.13	\$38
Firemen.....	52	.70½	2	104	52	73	37	2.00	37
Gallery cutters.....	52	.95	6	285	48	271	45	5.48	49
Laborers.....	52	.51	2	61	31	31	16	1.17	26
Loaders.....	52	.40½	7	312	45	154	22	6.00	26
	52	.61½	3	132	44	85	28	2.54	33
	52	.94	1	37	37	35	35	0.71	49
Total.....	52	.57	11	481	44	274	25	9.25	30
Machinist.....	52	.81½	1	52	52	42	42	1.00	42
Miners.....	52	b .87½	54	2,090	39	b 1,830	34	40.20	46
Overseer.....	52	.83½	1	60	60	50	50	1.15	43
The establishment.....		.82	78	3,192	41	c 2,614	34	61.38	43

a In addition \$508 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 211.

b No information in regard to miners' supplies.

c The earnings here shown are for only a part of the employés, but they are thought to be fairly representative.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## U.—Bituminous Coal: GREAT BRITAIN.

ESTABLISHMENT No. 170.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Air-way men .....	91	\$1.25	6	323	54	\$403	\$67	3.55	\$114
Bankmen .....	91	1.38½	9	675	75	936	104	7.42	126
Blacksmiths .....	91	.76½	1	78	78	62	62	0.86	72
	91	.85	1	75	75	65	65	0.82	79
	91	1.02	1	76	76	80	80	0.84	96
	91	1.06½	1	80	80	87	87	0.88	99
	91	1.15	1	74	74	87	87	0.81	107
	91	1.32	1	87	87	115	115	0.96	120
Total .....	91	1.05½	6	470	78	496	83	5.17	96
Blacksmiths' helpers .....	91	.42½	4	327	82	143	36	3.59	40
	91	.59½	1	80	80	48	48	0.88	55
Total .....	91	.47	5	407	81	191	38	4.47	43
Boilersmith .....	91	1.53½	1	90	90	138	138	0.99	140
Bricklayer .....	91	1.42½	1	59	59	84	84	0.65	130
Bricklayer's helper .....	91	.81	1	79	79	64	64	0.87	74
Bye-workmen .....	91	.66½	2	108	54	73	37	1.19	62
	91	.72½	1	72	72	53	53	0.79	67
	91	.78½	7	311	44	248	35	3.42	73
	91	.86	1	73	73	63	63	0.80	79
	91	.93	1	63	63	57	57	0.69	82
	91	1.21½	7	505	72	627	90	5.55	113
	91	1.32	4	89	22	115	29	0.98	118
Total .....	91	1.01	23	1,221	53	1,236	54	13.42	92
Capstan men .....	91	.68	1	83	83	58	58	0.91	64
	91	.81	1	70	70	58	58	0.77	75
	91	1.10½	1	56	56	62	62	0.62	101
Total .....	91	.85	3	209	70	178	59	2.30	78
Carpenters .....	91	.93½	1	77	77	71	71	0.85	84
	91	.98	1	73	73	71	71	0.80	89
	91	1.19½	1	67	67	80	80	0.74	109
	91	1.33½	1	54	54	72	72	0.59	121
Total .....	91	1.08½	4	271	68	294	74	2.98	99
Coal inspector .....	91	1.25½	1	78	78	97	97	0.86	113
Deputy overmen .....	91	1.36	8	619	77	861	108	6.80	127
	91	1.48	5	437	87	663	133	4.80	138
Total .....	91	1.44½	13	1,056	81	1,524	117	11.60	131
Drivers .....	91	.86	2	85	43	73	37	0.93	78
Elevator tenders .....	91	.38½	1	75	75	30	30	0.82	36
	91	.42½	1	70	70	31	31	0.77	40
	91	.55½	1	81	81	46	46	0.89	52
	91	.64	1	69	69	45	45	0.76	59
	91	.70	1	78	78	55	55	0.86	64
	91	.89½	1	78	78	70	70	0.86	82
Total .....	91	.61½	6	451	75	277	46	4.96	56
Enginemend, fan .....	91	1.10½	1	77	77	87	87	0.85	103
	91	1.27½	1	76	76	98	98	0.84	117
Total .....	91	1.21	2	153	77	185	93	1.69	110



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## U.—Bituminous Coal: GREAT BRITAIN—Continued.

ESTABLISHMENT No. 170—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Enginemen, hauling .....	91	\$1.44	2	182	91	\$262	\$131	2.00	\$131
Enginemen, locomotive.....	91	.89½	1	77	77	71	71	0.85	84
	91	1.36½	1	86	86	119	119	0.95	126
Total .....	91	1.16½	2	163	82	190	95	1.80	106
Enginemen, underground ....	91	.97½	1	83	83	84	84	0.91	92
	91	1.14½	1	80	80	94	94	0.88	107
Total .....	91	1.09	2	163	82	178	89	1.79	99
Enginemen's helpers.....	91	.42	1	76	76	31	31	0.84	37
	91	.44½	1	78	78	36	36	0.86	42
Total .....	91	.43½	2	154	77	67	34	1.70	40
Firemen .....	91	.85	3	243	81	213	71	2.67	80
	91	.96	5	375	75	369	74	4.12	90
Total .....	91	.94	8	618	77	582	73	6.79	86
Greasers.....	91	1.01½	1	78	78	81	81	0.86	95
	91	1.14½	1	75	75	88	88	0.82	107
Total .....	91	1.10½	2	153	77	169	85	1.68	101
Guards .....	91	.89½	1	78	78	72	72	0.86	84
	91	1.06½	1	75	75	82	82	0.82	99
Total .....	91	1.00½	2	153	77	154	77	1.68	92
Hangers-on.....	91	1.14½	2	89	45	104	52	0.98	106
Horsemen .....	91	.78½	1	78	78	63	63	0.86	74
	91	.89½	4	295	74	260	65	3.24	80
	91	.93½	5	369	74	344	69	4.05	85
	91	1.08½	1	78	78	84	84	0.86	98
	91	1.14	1	90	90	101	101	0.99	102
	91	1.24	1	85	85	107	107	0.93	115
Total .....	91	.96½	13	995	77	959	74	10.93	88
Horseshoer .....	91	1.05	1	78	78	82	82	0.86	96
Hurriers.....	91	.59	116	8,700	75	5,148	44	95.60	54
Ironmen.....	91	.95½	1	76	76	74	74	0.84	89
	91	1.05	1	76	76	82	82	0.84	98
Total .....	91	1.02½	2	152	76	156	78	1.68	93
Laborers .....	91	.64	1	74	74	49	49	0.81	60
	91	.85	1	76	76	63	63	0.84	75
	91	.86½	5	391	78	343	69	4.30	80
Total .....	91	.84	7	541	77	455	65	5.95	77
Lampmen .....	91	.36½	1	77	77	28	28	0.85	33
	91	.85	1	78	78	69	69	0.86	81
	91	.93½	1	75	75	72	72	0.82	87
	91	1.32	1	78	78	103	103	0.86	120
Total .....	91	.88½	4	308	77	272	68	3.39	80
Mason.....	91	1.40½	1	76	76	110	110	0.84	132



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## U.—Bituminous Coal: GREAT BRITAIN—Continued.

ESTABLISHMENT No. 170—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Mechanics .....	91	\$0.85	1	80	80	\$70	\$70	0.88	\$80
	91	1.33	1	82	82	109	109	0.90	121
Total .....	91	1.10½	2	162	81	179	90	1.78	101
Mechanics' shop boy .....	91	.53½	1	74	74	38	38	0.81	47
Miners .....	91	1.31½	65	3,430	53	4,504	69	37.69	119
	91	1.56	198	11,063	56	17,255	87	121.57	142
	91	1.79	110	5,855	53	10,481	95	64.34	163
	91	1.99½	6	338	56	675	113	3.71	182
	91	(a)	32	(a)	(a)	3,696	116	(a)	(a)
Total .....	91	(b)	411	(b)	(b)	36,611	89	(b)	(b)
Plate layers .....	91	.85	2	151	76	132	66	1.66	80
	91	1.02	1	81	81	85	85	0.89	95
Total .....	91	.93½	3	232	77	217	72	2.55	85
Plumber .....	91	1.23½	1	79	79	100	100	0.87	115
Rippers .....	91	1.09½	7	102	15	112	16	1.12	100
	91	1.46	9	528	59	771	86	5.80	133
	91	1.70½	9	675	75	1,151	128	7.42	155
	91	2.13	2	150	75	319	160	1.65	194
Total .....	91	1.61½	27	1,455	54	2,353	87	15.99	147
Road repairers .....	91	1.20	6	450	75	540	90	4.95	109
	91	1.43	6	444	74	635	106	4.88	130
Total .....	91	1.31½	12	894	75	1,175	98	9.83	120
Road repairers' helpers .....	91	.48½	4	300	75	152	38	3.30	46
Roadman .....	91	(a)	1	(a)	(a)	70	70	(a)	(a)
Sawyer .....	91	1.06	1	67	67	71	71	0.74	96
Screeners .....	91	.30	1	73	73	22	22	0.80	27
	91	.32½	2	79	40	25	13	0.87	29
	91	.35½	6	404	67	142	24	4.44	32
	91	.38½	2	125	63	49	25	1.37	36
	91	.42½	1	76	76	33	33	0.84	40
	91	.51	1	74	74	39	39	0.81	48
	91	.60½	2	97	49	59	30	1.07	55
	91	.68	2	117	59	81	41	1.29	63
	91	.74½	1	76	76	56	56	0.84	67
	91	.76½	1	45	45	35	35	0.49	71
	91	.81	1	62	62	51	51	0.68	75
	91	.88½	10	756	76	665	67	8.31	80
	91	.93½	5	217	43	200	40	2.38	84
Total .....	91	.66	35	2,201	63	1,457	42	24.19	60
Shaftman .....	91	1.42½	1	90	90	129	129	0.99	130
Staithmen .....	91	.85	1	77	77	68	68	0.85	80
	91	.93½	1	76	76	70	70	0.84	84
	91	1.05½	1	70	70	74	74	0.77	96
Total .....	91	.95	3	223	74	212	71	2.46	87
Staithmen's helper .....	91	.35½	1	76	76	27	27	0.84	32
Steward .....	91	2.59	1	78	78	210	210	0.86	245
Surveyor, assistant .....	91	1.21½	1	78	78	96	96	0.86	112

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b No total can be made for the reason stated in the preceding footnote.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS.—Continued.

## U.—Bituminous Coal: GREAT BRITAIN—Concluded.

ESTABLISHMENT No. 170—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Timbermen.....	91	\$0.93	1	81	81	\$77	\$77	0.89	\$87
	91	1.21½	1	78	78	95	95	0.86	111
Total .....	91	1.08	2	159	80	172	86	1.75	98
Trappers .....	91	.33½	4	298	75	102	26	3.27	31
Wagon builders and repairers.	91	.98	2	155	78	151	76	1.70	89
	91	1.02½	1	63	63	65	65	0.69	94
	91	1.12	1	63	63	72	72	0.69	104
	91	1.21½	1	76	76	95	95	0.84	114
	91	1.33	1	78	78	103	103	0.86	120
Total .....	91	1.11½	6	435	73	486	81	4.78	102
Wagon builders' shop boy....	91	.51	1	77	77	40	40	0.85	47
Watchman .....	91	.97½	1	91	91	91	91	1.00	91
Water men .....	91	.78½	2	59	30	45	23	0.65	69
Weighman .....	91	1.21½	1	78	78	97	97	0.86	113
The establishment.....	.....	(a)	771	(a)	(a)	b 59,194	77	(a)	(a)

## V.—Coke: UNITED STATES.

ESTABLISHMENT No. 6.

Carpenter .....	79	\$2.40	1	77	77	\$185	\$185	0.97	\$190
Chargers .....	92	1.00	4	200	50	200	50	2.17	92
Cleaners, track.....	92	.50	1	13	13	7	7	0.14	50
	92	.75	1	15	15	11	11	0.16	67
	92	1.00	13	488	38	488	38	5.30	92
Total .....	92	.98	15	516	34	506	34	5.60	90
Coke bosses .....	92	1.25	1	45	45	56	56	0.49	114
	92	2.60	1	88	88	230	230	0.96	240
Total .....	92	2.15	2	133	67	286	143	1.45	198
Drawers.....	92	1.70	104	2,419	c 23	4,110	40	26.29	156
Drivers .....	92	1.00	8	287	36	287	36	3.12	92
Dumpers .....	92	1.15	2	119	60	156	68	1.20	105
	92	1.50	1	84	84	125	125	0.91	137
Total .....	92	1.28½	3	203	68	261	87	2.20	118
Engineers, coal crusher.....	92	1.67½	2	92	46	154	77	1.00	154
Feeders, coal crusher.....	92	1.00	2	43	22	43	22	0.47	92
Foremen .....	92	2.50	1	4	4	10	10	0.04	230
	92	3.00	1	91	91	273	273	0.99	276
Total .....	92	2.98	2	95	48	283	142	1.03	274
Laborers .....	92	.50	2	64	32	32	16	0.70	46
	92	.75	2	46	23	34	17	0.50	68
	92	1.00	82	1,293	16	1,293	16	14.05	92
Total .....	92	.97	86	1,403	16	1,359	16	15.25	89

a No total can be made for the reason shown in the preceding footnote a.

b The earnings here shown are for three months only. The statement for this establishment on page 211 is for six months.

c The time of drawers has been estimated on the basis of four ovens per day.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## V.—Coke: UNITED STATES—Continued.

## ESTABLISHMENT No. 6—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborers, track.....	92	\$1.00	1	94	94	\$94	\$94	\$1.02	\$92
Loader.....	92	1.00	1	96	96	96	96	1.04	92
Mortar man.....	92	1.00	1	54	54	54	54	0.59	92
Watchmen.....	92	1.25	2	91	46	114	57	0.99	115
The establishment.....		1.38½	234	5,803	25	8,032	34	63.19	127

## ESTABLISHMENT No. 13.

Blacksmith.....	313	\$1.90	1	228	228	\$436	\$436	0.73	\$599
Car shifters.....	313	1.45	2	299	150	429	215	0.96	449
Carpenter.....	313	1.75	1	234	234	411	411	0.75	550
Cartmen.....	313	1.35	6	674	112	918	153	2.15	426
	313	1.50	1	6	6	9	9	0.02	470
Total.....	313	1.36½	7	680	97	927	132	2.17	427
Cartmen and drawers.....	313	1.45½	2	201	101	292	146	0.64	455
Chargers.....	313	1.70	1	25	25	43	43	0.08	538
	313	1.80	2	418	209	754	377	1.34	565
	313	1.83	1	224	224	406	406	0.72	567
Total.....	313	1.80½	4	667	167	1,203	301	2.14	565
Charger and watchman.....	313	1.68½	1	293	293	494	494	0.94	528
Drawers.....	313	1.39	39	2,515	64	3,502	90	8.04	436
	313	1.55	57	4,389	77	6,812	120	14.02	486
	313	1.84½	36	2,787	77	5,143	143	8.90	578
	313	2.07	51	5,123	100	10,603	298	16.37	648
	313	2.26	17	1,364	80	3,080	181	4.36	707
	313	2.60½	5	322	64	839	168	1.03	816
	313	2.72½	5	271	54	730	148	0.87	854
Total.....	313	1.83	210	16,771	80	30,718	146	53.59	573
Drawers and laborers.....	313	1.49	2	63	32	94	47	0.20	467
Drawer and masons' helper.....	313	1.52½	1	209	209	319	319	0.67	478
Foreman.....	313	3.26	1	313	313	1,020	1,020	1.00	1,020
Foreman, assistant.....	313	2.32	1	301	301	699	699	0.96	727
Laborers.....	313	1.00	3	109	36	109	36	0.35	313
	313	1.25	22	2,076	94	2,015	119	6.63	394
	313	1.30	14	2,190	156	2,840	203	7.00	406
	313	1.35	5	726	145	983	197	2.32	424
	313	1.45	2	44	22	63	32	0.14	448
	313	1.80	1	250	250	451	451	0.80	565
Total.....	313	1.31	47	5,395	115	7,061	150	17.24	410
Levellers.....	313	2.21	5	1,012	202	2,234	447	3.23	691
	313	2.37	5	763	153	1,808	362	2.44	742
Total.....	313	2.27½	10	1,775	178	4,042	404	5.67	713
Masons.....	313	2.50	1	19	19	48	48	0.06	791
	313	2.70	6	775	129	2,064	344	2.48	834
Total.....	313	2.66	7	794	113	2,112	302	2.54	833

α The earnings here shown are for three months only. The statement for this establishment on page 236 is for one year.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## V.—Coke: UNITED STATES—Continued.

## ESTABLISHMENT No. 13—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Masons' helpers .....	313	\$1.30	7	798	114	\$1,039	\$148	2.55	\$408
Teamsters .....	313	1.35	2	358	179	482	241	1.14	421
Watchman .....	313	1.60	1	350	350	560	560	1.12	501
The establishment.....	.....	1.76	307	29,729	97	52,338	170	95.01	551

## ESTABLISHMENT No. 19.

Ashmen .....	313	\$1.40	3	69	23	\$96	\$32	0.22	\$435
	313	1.45	3	446	149	648	216	1.42	455
Total .....	313	1.44½	6	515	86	744	124	1.64	452
Ashman and laborer .....	313	1.52½	1	52	52	69	69	0.17	415
Blacksmith .....	313	2.75	1	201	201	552	552	0.64	860
Blacksmith's helper .....	313	1.25	1	202	202	252	252	0.65	390
Carpenter .....	313	2.50	1	120	120	300	300	0.33	783
Charger .....	313	1.50	1	166	166	249	249	0.53	470
Drawers .....	313	1.32	26	2,315	89	3,052	117	7.40	413
	313	1.53	35	4,114	118	6,303	180	13.14	480
	313	1.74½	33	5,192	157	9,073	275	16.59	547
	313	1.95½	10	1,115	112	2,179	218	3.56	612
	313	2.24½	2	202	101	453	227	0.65	702
	313	2.47½	1	191	191	473	473	0.61	775
Total .....	313	1.64	107	13,129	123	21,533	201	41.95	513
Drawers and forkers .....	313	1.47	4	388	97	571	143	1.24	461
Drawer and laborer .....	313	1.93	1	14	14	27	27	0.04	604
Engineers .....	313	1.75	1	98	98	172	172	0.31	549
	313	2.25	1	321	321	725	725	1.03	707
Total .....	313	2.14	2	419	210	897	449	1.34	670
Foreman .....	313	2.49	1	313	313	780	780	1.00	780
Foremen, assistant .....	313	2.25	2	304	152	684	342	0.97	704
Forkers .....	313	1.33	5	206	41	274	55	0.66	416
	313	1.48	9	461	51	683	76	1.47	464
	313	1.82½	1	34	34	62	62	0.11	571
	313	2.00	1	6	6	12	12	0.02	626
Total .....	313	1.46	16	707	44	1,031	64	2.26	456
Levellers .....	313	1.59½	1	245	245	391	391	0.78	500
	313	2.46½	4	1,068	267	2,635	659	3.41	772
Total .....	313	2.30½	5	1,313	203	3,026	605	4.19	721
Masons .....	313	2.75	3	31	10	84	28	0.10	848
Pumpmen .....	313	1.75	2	250	125	450	225	0.80	563
The establishment.....	.....	1.72½	154	18,124	118	31,249	203	57.90	540

α In addition \$3,522 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 236.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## V.—Coke: UNITED STATES—Continued.

## ESTABLISHMENT No. 23.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Blacksmith.....	313	\$2.25	1	200	200	\$449	\$149	0.64	\$703
Blacksmith's helper.....	313	1.00	1	17	17	17	17	0.05	313
Chargers.....	313	1.00	12	1,510	126	1,532	128	4.82	318
Chargers and drawers.....	313	1.23½	2	191	96	236	118	0.61	387
Drawers.....	313	1.32½	4	130	33	172	43	0.42	414
	313	1.50	45	4,394	98	6,545	145	14.04	466
Total.....	313	1.48½	49	4,524	92	6,717	137	14.46	465
Drawers and forkers.....	313	1.19½	4	623	156	743	186	1.99	373
Drawers and laborers.....	313	1.16	11	733	67	850	77	2.34	363
	313	1.27½	7	424	61	541	77	1.35	399
Total.....	313	1.20	18	1,157	64	1,391	77	3.69	376
Foreman.....	313	2.14½	1	314	314	673	673	1.00	671
Foreman, assistant.....	313	1.50	1	246	246	369	369	0.79	470
Forkers.....	313	1.00	29	2,648	91	2,651	91	8.46	313
Laborers.....	313	1.00	42	1,938	46	1,941	46	6.19	313
Watchman.....	365	1.00	1	311	311	311	311	0.85	365
Water boys.....	313	.40	2	188	94	75	38	0.60	125
The establishment.....	.....	1.23½	163	13,867	85	17,105	105	44.15	387

## ESTABLISHMENT No. 28.

Chargers.....	313	\$1.25	2	333	167	\$430	\$215	1.06	\$404
Drawers.....	313	1.26½	59	2,939	50	3,712	63	9.39	395
Drawer and elevator tender ..	313	1.12	1	110	110	123	123	0.35	350
Elevator tenders.....	313	1.00	2	6	3	6	3	0.02	313
	313	1.65	1	8	8	13	13	0.03	509
Total.....	313	1.35½	3	14	5	19	6	0.05	425
Engineers, stationary.....	313	1.50	1	58	58	86	86	0.19	464
	313	2.00	1	219	219	416	416	0.70	595
Total.....	313	1.81	2	277	139	502	251	0.89	567
Foreman.....	313	3.83½	1	313	313	1,200	1,200	1.00	1,200
Foreman, assistant.....	313	1.50	1	219	219	342	342	0.70	489
Laborers.....	313	1.00	4	85	21	86	22	0.27	317
	313	1.10	3	44	15	49	16	0.14	349
	313	1.15	3	36	12	42	14	0.12	365
	313	1.25	48	1,440	30	1,803	38	4.60	392
Total.....	313	1.23½	58	1,605	28	1,980	34	5.13	386
Levellers.....	313	1.65	2	207	104	340	170	0.66	514
Loaders.....	313	.75	1	8	8	6	6	0.03	235
	313	1.00	1	13	13	13	13	0.04	313
	313	1.10	13	206	16	228	18	0.66	346
	313	1.25	12	510	43	637	53	1.63	391
Total.....	313	1.20	27	737	27	884	33	2.36	375
Mason.....	313	3.50	1	19	19	66	66	0.06	1,087
Watchman.....	365	1.25	1	69	69	86	86	0.19	455

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## V.—Coke: UNITED STATES—Concluded.

## ESTABLISHMENT No. 28—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total	Aver- age.	Total.	Aver- age.		
Water boys.....	313 313	\$0.50 .75	2 2	105 91	53 46	\$52 72	\$26 36	0.34 0.29	\$155 248
Total .....	313	.63½	4	196	49	124	31	0.63	198
The establishment.....	.....	1.39½	162	7,038	43	9,808	61	22.47	436

## ESTABLISHMENT No. 29.

Chargers.....	365	\$1.20	4	1,226	307	\$1,471	\$368	3.36	\$438
Drawers.....	365	1.20	18	4,752	264	5,702	317	13.02	438
Engineer, stationary.....	365	1.05	1	301	301	316	316	0.82	383
Foreman.....	365	2.00	1	364	364	728	728	1.00	730
Laborers.....	365	1.10	10	572	57	629	63	1.57	401
Mason.....	313	3.50	1	32	32	111	111	0.10	1,086
Repairer, oven.....	313	1.50	1	202	292	437	437	0.93	468
Watchman.....	365	1.20	1	328	328	394	394	0.90	436
The establishment.....		1.24½	37	7,867	213	9,788	265	21.70	451

## W.—Coke: CONTINENT OF EUROPE.

## ESTABLISHMENT No. —.

[No statement of cost of production for this establishment is shown in Table IX.]

Boiler washer.....	365	\$0.48½	1	63	63	\$30	\$30	0.17	\$174
Boilermaker.....	365	1.00	1	2	2	2	2	0.01	365
Carpenters.....	365	.83	2	6	3	5	3	0.02	304
Chargers.....	365	.25	1	238	238	59	59	0.65	90
	365	.36½	1	276	276	101	101	0.76	134
	365	.53	1	73	73	38	38	0.20	190
	365	.68½	3	1,014	338	687	229	2.78	247
Total.....	365	.55½	6	1,601	267	885	148	4.39	202
Cleaner.....	365	.31	1	53	53	16	16	0.15	110
Coke screener and laborer.....	365	.52	1	346	346	180	180	0.95	190
Daubers.....	365	.29	2	675	338	189	95	1.85	102
Engineer.....	365	.34½	1	317	317	108	108	0.87	124
Fireman.....	365	.50	1	377	377	187	187	1.03	181
Forkers.....	365	.68½	3	1,007	336	690	230	2.76	250
Laborers.....	365	.32	7	532	76	170	24	1.46	117
Laborer and mason.....	365	.66½	1	3	3	2	2	0.01	243
Leveller.....	365	1.37	1	304	304	417	417	0.83	501
Loaders.....	365	.31	13	1,668	128	515	40	4.57	113
	365	.34	1	340	340	115	115	0.93	123
	365	.48½	1	6	6	3	3	0.02	183
	365	.68	1	12	12	7	7	0.03	213
	365	.69	1	337	337	233	233	0.92	252
Total.....	365	.37	17	2,363	139	873	51	6.47	135

\* In addition \$668 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 236.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## W.—Coke: CONTINENT OF EUROPE—Concluded.

ESTABLISHMENT No. —. —Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Machinist.....	365	\$1.00	1	30	30	\$30	\$30	0.08	\$365
Mason.....	365	.69½	1	18	18	13	13	0.05	264
Measurer.....	365	.52	1	294	294	153	153	0.81	190
Pickers.....	365	.19½	2	338	169	66	33	0.93	71
Porter.....	365	.44½	1	309	309	137	137	0.85	162
Watchman.....	365	.38½	1	365	365	141	141	1.00	141
Water tenders.....	365	.25	3	150	50	38	13	0.41	92
Weighmen.....	365	.48½	1	19	19	9	9	0.05	173
	365	.67½	1	19	19	13	13	0.05	250
Total.....	365	.58	2	88	19	22	11	0.10	211
The establishment.....		.47½	57	9,191	161	4,354	76	25.20	173

## X.—Iron Ore: UNITED STATES.

ESTABLISHMENT No. 1.

Blacksmiths.....	313	\$2.00	2	157	79	\$314	\$157	0.50	\$626
Blacksmith and laborer.....	313	1.50	1	2	2	3	3	0.01	470
Blacksmiths' helper.....	313	1.60	1	28	28	44	44	0.09	492
Car leveller.....	313	1.25	1	182	182	227	227	0.58	390
Carpenters.....	313	2.00	2	175	88	350	175	0.56	626
	313	2.25	1	21	21	46	46	0.07	686
Total.....	313	2.02	3	196	65	396	132	0.63	632
Clerks and weighmen.....	365	1.47	2	315	158	463	232	0.86	536
	365	1.51½	1	117	117	177	177	0.32	552
	365	1.66½	1	113	113	188	188	0.31	607
	365	1.85½	1	233	233	432	432	0.64	677
Total.....	365	1.62	5	778	156	1,260	252	2.13	591
Drivers.....	313	.75	7	656	94	492	70	2.10	235
	313	.92½	1	184	184	170	170	0.59	289
	313	1.00	6	676	113	686	114	2.16	318
	313	1.12½	1	11	11	12	12	0.04	341
	313	1.25	15	1,049	70	1,304	87	3.35	389
Total.....	313	1.03½	30	2,576	86	2,664	89	8.24	324
Driver and laborer.....	313	1.12½	1	8	8	9	9	0.03	352
Engineers.....	313	2.00	2	286	143	572	286	0.94	626
Engineer and laborer.....	313	1.51½	1	76	76	115	115	0.24	474
Fireman.....	313	1.25	1	38	38	48	48	0.12	395
Laborers.....	313	.50	1	2	2	1	1	0.01	157
	313	1.00	12	420	35	423	35	1.34	315
	313	1.10	6	126	21	145	24	0.40	360
	313	1.25	114	2,551	22	3,187	28	8.15	391
	313	1.50	1	200	209	329	329	0.67	493
Total.....	313	1.23½	134	3,308	25	4,085	30	10.57	387
Laborers and timbermen.....	313	1.33½	2	316	158	422	211	1.01	418
Laborer and trammer.....	313	1.40	1	10	10	14	14	0.03	438
Mine boss.....	365	3.56	1	365	365	1,300	1,300	1.00	1,300
Miners.....	313	(a)	(b)	(a)	(a)	36,837	(b)	(a)	(a).

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employés not given.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 1—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Timbormen .....	313	\$1.40	4	203	51	\$282	\$71	0.65	\$435
	313	1.50	2	46	23	69	35	0.15	470
	313	1.60	1	25	25	39	39	0.08	488
	313	2.00	6	985	164	1,954	326	3.15	621
Total .....	313	1.86	13	1,259	97	2,344	180	4.03	583
Tramwomans .....	313	1.50	7	594	85	890	127	1.90	469
Truckman .....	313	1.50	1	235	235	353	353	0.75	479
Weighman .....	313	1.50	1	25	25	38	38	0.08	476
The establishment .....	.....	(a)	(a)	(a)	(a)	51,935	(a)	(a)	(a)

## ESTABLISHMENT No. 12.

Blacksmith .....	313	\$2.25	1	296	296	\$690	\$690	0.95	\$730
Cagemen .....	313	1.75	2	558	279	936	468	1.78	525
Carpenters .....	313	1.80	3	226	75	407	136	0.72	564
	313	2.50	1	274	274	684	684	0.88	781
Total .....	313	2.18	4	500	125	1,091	273	1.60	683
Drillers .....	313	1.50	1	27	27	41	41	0.09	475
	313	2.00	2	61	31	121	61	0.19	621
Total .....	313	1.84	3	88	29	162	54	0.28	576
Dry boys .....	313	1.00	2	307	154	307	154	0.98	313
Engineers .....	313	2.00	2	612	306	1,195	598	1.96	611
Firemen .....	313	1.65	5	203	41	335	67	0.65	517
	313	1.75	2	512	256	891	446	1.64	545
	313	1.80	1	182	182	326	326	0.58	561
Total .....	313	1.73	8	897	112	1,552	194	2.87	542
Foreman, engineers .....	313	2.49	1	313	313	780	780	1.00	780
Laborers .....	313	1.65½	3	96	32	159	53	0.31	518
Laborers, surface .....	313	1.50	3	126	42	189	63	0.40	470
	313	1.53½	1	43	43	65	65	0.14	473
	313	1.55	3	858	286	1,333	444	2.74	486
	313	1.60	11	484	44	772	70	1.55	499
	313	1.65	6	1,183	197	1,974	329	3.78	522
	313	1.69½	1	82	82	139	139	0.26	531
	313	1.75	2	307	154	536	268	0.98	546
	313	1.80	1	15	15	27	27	0.05	563
Total .....	313	1.62½	28	3,098	111	5,035	180	9.90	509
Laborers, underground .....	313	1.70	83	7,006	84	11,942	144	22.38	534
Loaders .....	313	1.50	2	6	3	9	5	0.02	470
	313	1.65½	7	246	35	407	58	0.79	518
	313	1.88	10	561	56	1,055	106	1.79	589
	313	2.00	1	1	1	2	2	0.00	626
Total .....	313	1.81	20	814	41	1,473	74	2.60	566

α No total can be made for reasons shown in the preceding footnotes.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 12—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Masons .....	313	\$3. 20	1	5	5	\$16	\$16	0. 02	\$1,002
	313	4. 00	1	10	10	40	40.	0. 03	1, 252
Total .....	313	3. 73½	2	15	8	56	28	0. 05	1, 169
Mine boss .....	313	4. 79	1	313	313	1, 500	1, 500	1. 00	1, 500
Miners.....	313	2. 17	9	883	98	1, 915	213	2. 82	679
	313	2. 37	75	12, 904	172	30, 590	408	41. 23	742
	313	2. 52½	11	1, 175	107	2, 966	270	3. 75	790
	313	3. 05	1	20	20	61	61	0. 06	955
Total .....	313	2. 37	96	14, 982	156	35, 532	370	47. 86	742
Pit bosses .....	313	2. 50	2	599	300	1, 408	749	1. 91	783
Pumpmen .....	313	1. 80	2	672	336	1, 225	613	2. 15	571
Timbermen.....	313	1. 85	2	315	158	586	293	1. 01	582
	313	2. 35	1	237	237	557	557	0. 76	736
Total .....	313	2. 07	3	552	184	1, 143	381	1. 77	648
Water boys.....	313	1. 20	2	595	298	708	354	1. 90	372
The establishment .....		2. 07½	265	32, 313	122	66, 984	253	103. 25	649

ESTABLISHMENT No. 41.

Blacksmith .....	313	\$2.03	1	313	313	\$636	\$636	1.00	\$636
Blacksmith's helpers .....	313	1.00	1	47	47	48	48	0.15	320
	313	1.25	1	102	102	127	127	0.33	390
Total .....	313	1.17½	2	149	75	175	88	0.48	368
Brakeman .....	313	1.50	1	63	63	95	95	0.20	472
Carpenter .....	313	2.00	1	47	47	93	93	0.15	619
Carpenter and engineer .....	313	1.60	1	65	65	104	104	0.21	501
Conductor .....	365	1.64½	1	326	326	535	535	0.89	599
Engineers .....	365	1.31½	1	361	361	474	474	0.99	479
	313	1.35	1	272	272	362	362	0.87	417
	313	1.50	1	113	113	169	169	0.36	468
	313	1.60	1	302	302	482	482	0.96	500
Total .....	330	1.42	4	1,048	262	1,487	372	3.18	468
Engineers and miners .....	313	1.22½	2	246	123	301	151	0.79	383
Fireman and miner .....	313	1.35	1	232	232	313	313	0.74	422
Mine boss .....	313	2.00	1	301	301	601	601	0.96	625
Miners .....	313	.90	3	369	123	328	109	1.18	278
	313	1.00	17	1,175	69	1,211	71	3.75	323
	313	1.10	137	14,539	106	15,832	116	46.45	341
	313	1.15	1	277	277	323	323	0.88	365
Total .....	313	1.08	158	16,360	104	17,694	112	52.26	339
Miner and weighman .....	313	1.18	1	207	207	244	244	0.66	369
Stableman .....	365	.98½	1	354	354	345	345	0.97	356

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS.—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

## ESTABLISHMENT No. 41—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Water boys.....	313	\$0.55	3	301	100	\$165	\$55	0.96	\$172
	313	.75	2	324	162	251	126	1.04	242
Total .....	313	.66½	5	625	125	416	83	2.00	208
Weighman .....	313	1.60	1	190	190	298	298	0.61	491
The establishment.....	.....	1.13½	181	20,526	113	23,337	129	65.10	358

## ESTABLISHMENT No. 42.

Blacksmiths .....	313	\$1.65	6	1,524	254	\$2,515	\$419	4.87	\$517
	313	2.50	3	918	306	2,295	765	2.93	783
Total .....	313	1.97	9	2,442	271	4,810	534	7.80	617
Blacksmith and blacksmiths' helper.	313	1.47½	1	264	264	390	390	0.84	462
Blacksmiths' helpers .....	313	1.35	1	301	301	406	406	0.96	422
	313	1.40	1	305	305	427	427	0.97	438
	313	1.50	1	299	299	448	448	0.96	469
Total .....	313	1.41½	3	905	302	1,281	427	2.89	443
Brakemen .....	313	1.50	3	916	305	1,374	458	2.93	470
Carpenters .....	313	1.50	2	414	207	612	306	1.32	463
	313	1.60	2	582	291	918	459	1.86	494
Total .....	313	1.53½	4	996	249	1,530	383	3.18	481
Conductor .....	313	1.91½	1	313	313	600	600	1.00	600
Driller .....	313	1.75	1	18	18	31	31	0.06	539
Drillers and miners .....	313	1.54½	20	4,671	234	7,221	361	14.92	484
	313	1.68	2	371	186	623	312	1.19	526
Total .....	313	1.55½	22	5,042	229	7,844	357	16.11	487
Drillers' helpers .....	313	1.00	2	331	166	331	166	1.06	313
Drivers .....	313	.45	1	134	134	60	60	0.43	140
	313	.35	4	1,011	253	556	139	3.23	172
	313	.65	1	234	234	158	158	0.75	211
	313	.75	2	304	152	228	114	0.97	235
	313	.80	3	814	271	644	215	2.60	248
	313	.85	1	304	304	258	258	0.97	266
	313	1.00	22	3,265	148	3,286	149	10.43	315
	313	1.15	6	1,106	184	1,272	212	3.53	360
	313	1.50	1	263	263	395	395	0.84	470
Total .....	313	.92	41	7,435	181	6,857	167	23.75	289
Drivers and miners .....	313	1.17	2	418	209	490	245	1.34	367
Engineers .....	313	1.50	6	1,615	260	2,407	401	5.16	466
	313	2.00	1	342	342	683	683	1.00	625
Total .....	313	1.58	7	1,957	280	3,090	441	6.25	494
Engineer, air compressor.....	365	1.65	1	383	383	632	632	1.05	602
Engineer, locomotive.....	313	2.50	1	307	307	767	767	0.98	782

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 42—Continued.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Engineers, stationary.....	313	\$1.00	1	300	300	\$285	\$285	0.96	\$297
	313	1.50	2	675	338	1,013	507	2.16	470
	313	1.75	1	320	320	559	559	1.02	547
Total .....	313	1.43½	4	1,295	324	1,857	464	4.14	449
Engineer and miner .....	313	1.45½	1	301	301	439	439	0.96	457
Firemen.....	313	1.50	2	623	312	928	464	1.99	466
	313	1.60	4	979	245	1,573	393	3.13	503
Total .....	313	1.56	6	1,602	267	2,501	417	5.12	489
Fireman, locomotive.....	313	1.50	1	298	298	447	447	0.95	470
Firemen and miners.....	313	1.44½	3	702	234	1,016	339	2.24	453
Foremen .....	313	1.70	1	316	316	533	533	1.01	528
	313	1.75	2	596	298	1,040	520	1.90	546
	313	1.91½	7	1,909	273	3,659	523	6.10	600
Total .....	313	1.85½	10	2,821	282	5,232	523	9.01	581
Foreman, carpenters.....	313	2.75	1	287	287	789	789	0.92	860
Foremen, miners.....	313	1.65½	1	291	291	481	481	0.93	517
	313	1.92	2	620	310	1,189	595	1.98	600
Total .....	313	1.83½	3	911	304	1,670	557	2.91	574
Foreman and miner.....	313	1.47	1	284	284	418	418	0.91	461
Laborers .....	313	1.15	133	11,066	83	12,906	97	35.35	365
Laborer, machine shop.....	313	1.35	1	296	296	309	399	0.95	422
Laborers and miners.....	313	1.23	34	6,894	203	8,480	249	22.03	385
Machinists .....	313	1.70	1	312	312	530	530	1.00	532
	313	1.75	1	306	306	536	536	0.98	548
	313	2.00	1	303	303	606	606	0.97	626
	313	2.25	1	308	308	693	693	0.98	704
	313	2.50	1	321	321	803	803	1.03	783
Total .....	313	2.04½	5	1,550	310	3,168	634	4.96	640
Machinists' helper.....	313	1.30	1	312	312	406	406	1.00	407
Masons.....	313	1.98	2	51	26	101	51	0.16	620
Miners .....	313	1.35	263	39,060	149	52,834	201	124.79	423
Miner and wagonmaker .....	313	1.45½	1	298	298	434	434	0.95	456
Miner and watchman.....	313	1.24	1	340	340	422	422	1.09	388
Moulder .....	313	2.25	1	279	279	627	627	0.89	703
Moulder's helper.....	313	1.15	1	302	302	361	361	0.96	374
Nozzlemen.....	313	1.45	3	852	284	1,228	409	2.72	451
Patternmaker .....	313	2.00	1	302	302	605	605	0.96	627
Sievemen .....	313	1.35	4	1,332	333	1,807	452	4.26	425
Stable boss .....	365	1.50	1	361	361	542	542	0.99	548
Stable boys .....	365	.40	1	59	59	25	25	0.16	155
	365	.75	2	316	158	237	119	0.87	274
Total .....	365	.70	3	375	125	262	87	1.03	255
Stablemen.....	365	1.15	7	1,846	264	2,122	303	5.06	420
Stonecutter and whitewasher .....	313	1.61	1	294	294	473	473	0.94	504
Timbermen.....	313	1.35	2	575	288	786	393	1.84	428
Timberman, boss .....	313	2.00	1	273	273	545	545	0.87	625
Tool boys.....	313	.45	2	344	172	155	78	1.10	141
	313	.55	4	911	228	500	125	2.91	172
	313	.75	3	906	302	680	227	2.80	235
	313	.85	2	350	175	303	152	1.12	271
Total .....	313	.65	11	2,511	228	1,638	149	8.02	204



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 42—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Wagonmakers .....	313	\$1.50	1	296	296	\$443	\$443	0.95	\$168
	313	1.60	1	288	238	460	460	0.92	500
Total .....	313	1.54½	2	584	292	903	452	1.87	484
Watchmen.....	365	1.15	2	609	305	706	353	1.67	423
Water boys.....	313	.40	2	17	9	7	4	0.05	129
	313	.45	24	4,061	169	1,829	76	12.97	141
	313	.55	4	872	218	479	120	2.79	172
Total .....	313	.47	30	4,950	165	2,315	77	15.81	146
Whitewasher.....	313	2.25	1	11	11	25	25	0.04	711
The establishment.....	.....	1.31	640	105,551	165	138,491	216	335.61	413

## ESTABLISHMENT No. 43.

Blacksmiths .....	313	\$1.60	2	404	202	\$646	\$323	1.29	\$500
Carpenter .....	313	1.50	1	172	172	257	257	0.55	468
Drill boys .....	313	.50	4	256	64	135	34	0.82	165
	313	.75	1	44	44	33	33	0.14	235
	313	.80	2	121	61	98	49	0.39	254
Total .....	313	.63	7	421	60	266	38	1.35	198
Engineers .....	313	1.48	1	226	226	339	339	0.72	470
	313	1.67	1	25	25	41	41	0.68	513
	313	2.00	1	4	4	8	8	0.01	626
Total .....	313	1.52	3	255	85	388	129	0.81	476
Miners .....	313	1.20	38	864	23	1,045	28	2.76	379
	313	1.30	148	10,955	74	14,241	96	35.00	407
	313	1.40	2	416	208	576	288	1.33	433
Total .....	313	1.29½	188	12,235	65	15,862	84	39.09	406
Ore sorters .....	313	1.30	3	835	278	1,097	366	2.67	411
	313	1.40	2	307	154	429	215	0.58	437
	313	1.50	3	345	115	514	171	1.10	466
Total .....	313	1.37	8	1,487	186	2,040	255	4.75	429
Ore sorter and pit boss .....	313	1.51	1	222	222	335	335	0.71	472
Pit bosses .....	313	1.50	2	280	140	431	216	0.89	482
	313	1.60	4	642	161	1,023	256	2.05	499
	313	1.70	1	287	287	487	487	0.92	531
Total .....	313	1.60½	7	1,209	173	1,941	277	3.86	503
Stablemen .....	313	1.20	4	83	21	101	25	0.27	381
	313	1.30	1	59	59	75	75	0.19	398
Total .....	313	1.24	5	142	28	176	35	0.46	388
Strikers .....	313	1.30	34	3,714	109	4,823	142	11.87	406
Truckmen .....	313	1.20	6	449	75	544	91	1.43	379
The establishment .....		1.31½	262	20,710	79	27,278	104	66.17	412

a In addition, \$1,004 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 594.

b In addition, \$1,503 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 594.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

## ESTABLISHMENT No. 44.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Carpenter .....	217	\$1.35	1	177	177	\$239	\$239	0.82	\$293
Drivers .....	217	1.25	4	513	128	641	160	2.36	271
Manager .....	217	2.50	1	219	219	547	547	1.01	542
Miners .....	217	1.25	24	4,075	170	5,094	212	18.78	271
Ore raisers .....	217	1.35	7	1,296	185	1,750	250	5.97	293
Water boy .....	217	.75	1	210	210	157	157	0.97	162
The establishment .....	.....	1.30	38	6,490	171	8,428	222	29.91	282

## ESTABLISHMENT No. 45.

Blacksmith .....	313	\$2.50	1	153	153	\$376	\$376	0.49	\$769
Blacksmith's helpers .....	313	1.75	2	237	119	415	208	0.76	548
Carpenter .....	313	2.00	1	292	292	583	583	0.93	625
Drivers .....	313	.70	2	325	163	233	117	1.04	224
	313	1.25	4	598	150	748	187	1.91	392
	313	1.30	2	123	62	161	81	0.39	410
	313	1.50	11	532	48	793	72	1.70	467
	313	1.62	2	617	309	1,000	500	1.97	507
Total .....	313	1.33½	21	2,195	105	2,935	140	7.01	419
Drivers and miners .....	313	1.56½	2	177	89	277	139	0.57	490
Dumpers .....	313	1.50	10	1,092	109	1,639	164	3.49	470
Dumpers and miners .....	313	1.55	3	349	116	541	180	1.12	485
Engineer .....	313	2.25	1	360	360	810	810	1.15	704
Firemen .....	313	1.65	1	265	265	435	435	0.85	514
	313	1.75	2	406	203	710	355	1.30	547
Total .....	313	1.70½	3	671	224	1,145	382	2.15	534
Foreman .....	313	2.30	1	313	313	720	720	1.00	720
Miners .....	313	1.35	1	35	35	47	47	0.11	420
	313	1.50	9	892	99	1,339	149	2.85	470
	313	1.62	193	23,397	121	37,863	196	74.75	507
Total .....	313	1.61½	203	24,324	120	39,249	193	77.71	505
Miners and ore cleaners .....	313	1.56	4	378	95	590	148	1.21	489
Miner and stableman .....	313	1.37	1	25	25	34	34	0.08	426
Miners' helpers .....	313	.60	1	53	53	32	32	0.17	189
	313	.70	1	212	212	145	145	0.68	214
Total .....	313	.67	2	265	133	177	89	0.85	209
Ore cleaners .....	313	1.50	9	548	61	823	91	1.75	470
Pipe man .....	313	1.75	1	72	72	126	126	0.23	548
Stablemen .....	313	.70	2	372	186	255	128	1.19	215
Teamsters (with teams) .....	313	3.00	4	58	15	173	43	0.19	934
Timbermen .....	313	1.89	3	497	166	939	313	1.59	591
Watchmen .....	313	1.65	2	615	308	1,015	508	1.96	517
The establishment .....	.....	1.60	276	32,993	120	52,822	191	105.43	501

α In addition, 21 or more contractors were employed, each of whom agreed to get out ore on cars at \$1.10 per ton and was credited at the end of each month with the tonnage mined. His men were paid each month by the company and their wages are included in the above. The wages so paid were deducted from the contractor's gross earnings and the remainder was paid to him as his profit. These profits, not appearing here, are included, of course, in the statement for this establishment on page 252.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

## ESTABLISHMENT No. 46.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Bankmen .....	313	\$1.30½	40	6,040	151	\$7,882	\$197	19.30	\$408
Blacksmiths and blacksmiths' helpers.	313	1.79	3	870	290	1,558	519	2.78	561
Brakemen .....	313	1.30	5	1,060	212	1,378	276	3.39	407
Carpenters .....	313	2.03	4	864	216	1,752	438	2.76	635
Drill sharpeners .....	313	1.68	4	858	215	1,441	360	2.74	526
Drillers .....	313	1.65½	18	2,253	125	3,734	207	7.20	519
Drillers' helpers .....	313	1.40	14	2,274	162	3,183	227	7.27	438
Engineers and machinists .....	313	2.60	4	1,132	283	2,943	736	3.62	814
Firemen .....	313	1.55	4	1,105	276	1,712	428	3.53	485
Foremen, miners .....	313	2.12½	5	1,154	231	2,455	491	3.69	666
Loaders .....	313	1.21½	22	4,745	216	5,761	262	15.16	380
Masons and painters .....	313	2.54	9	809	90	2,055	228	2.58	795
Miners .....	313	1.40½	135	25,386	188	35,608	264	81.10	439
Watchman .....	365	1.55	1	359	359	556	556	0.98	565
The establishment .....	.....	1.47	268	48,909	182	α 72,018	269	156.10	461

## ESTABLISHMENT No. 48.

Blacksmith .....	313	\$1.70	1	271	271	\$461	\$461	0.87	\$532
Drivers .....	313	1.35	3	578	193	780	260	1.85	422
Laborers .....	313	.95	2	271	136	254	127	0.87	293
	313	1.30	29	1,841	66	1,823	65	5.88	310
Total .....	313	.98½	31	2,112	68	2,077	67	6.75	308
Mine boss .....	313	1.72½	1	313	313	540	540	1.00	540
Miners .....	313	1.43½	16	1,840	115	2,638	105	5.88	449
	313	1.61	6	396	66	638	106	1.27	504
	313	1.87	3	23	8	43	14	0.07	585
	313	2.09	2	134	67	280	140	0.43	654
	313	3.00	1	2	2	6	6	0.01	939
Total .....	313	1.50½	28	2,395	86	3,605	129	7.66	471
Water boy .....	313	.75	1	136	136	93	93	0.43	214
The establishment .....	.....	1.30	65	5,805	89	b 7,556	116	18.56	407

## ESTABLISHMENT No. 51.

Blacksmith .....	313	\$1.58	1	236	236	\$372	\$372	0.75	\$493
Driver .....	313	1.15	1	309	309	355	355	0.99	360
Dumper .....	313	1.25	1	185	185	224	224	0.59	379
Laborers .....	313	.95	21	1,017	48	980	47	3.25	302
	313	1.00	36	3,015	84	3,002	83	9.63	312
	313	1.05	5	521	104	541	108	1.66	325
Total .....	313	.99½	62	4,553	73	4,523	73	14.54	311

a Includes \$1,227 expended for permanent improvements, which could not be eliminated from the different occupations given above.

b The earnings here shown are for one mine only. The statement for this establishment on page 252 is for two mines.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 51—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.				Condition if workmen had continuous employment.		
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Laborer and timberman .....	313	\$1.19	1	16	16	\$19	\$19	0.05	\$372
Mine boss .....	313	2.30	1	236	236	660	660	0.91	722
Mine boss, assistant .....	313	1.34	1	286	286	385	385	0.91	421
Miners.....	313	1.56½	22	2,503	114	3,913	178	8.00	489
	313	1.84½	9	1,135	126	2,092	232	3.63	577
	313	2.02½	3	506	169	1,024	341	1.62	633
Total .....	313	1.69½	34	4,144	122	7,029	207	13.25	531
Teamsters .....	313	1.00	4	463	116	463	116	1.48	313
Timbermen.....	313	1.40	2	256	128	353	177	0.82	432
Water boy.....	313	.50	1	63	63	34	34	0.22	157
Weighman.....	313	1.16	1	286	286	332	332	0.91	363
The establishment.....	.....	1.33	110	11,088	101	a 14,749	134	35.42	416

ESTABLISHMENT No. 56.

Carpenters .....	313	\$1.00	1	66	66	\$66	\$66	0.21	\$313
	313	1.25	1	223	223	279	279	0.71	392
	313	1.19½	2	289	145	345	173	0.92	374
Driver.....	313	.50	1	15	15	8	* 8	0.05	167
Engineers .....	365	1.05	1	365	365	383	383	1.00	383
	365	1.20	1	365	365	438	438	1.00	438
Total .....	365	1.12½	2	730	365	821	411	2.00	411
Foremen.....	313	1.50	2	306	153	459	230	0.98	470
Landers .....	313	1.07½	3	80	27	86	29	0.26	336
Lander and miner .....	313	1.06½	1	214	214	228	228	0.68	333
Mine boss .....	365	2.63	1	365	365	960	960	1.00	960
Miners .....	313	1.10	1	8	8	9	9	0.03	352
	313	1.25	14	1,524	109	1,896	135	4.87	389
	313	1.35	1	139	139	188	188	0.44	423
Total .....	313	1.25½	16	1,671	104	2,093	131	5.34	392
Slate picker .....	313	.67½	1	96	96	64	64	0.31	209
Timberman.....	313	1.25	1	175	175	217	217	0.56	388
Truckmen .....	313	1.10	8	109	14	120	15	0.35	345
	313	1.15	2	110	55	127	64	0.35	361
Total .....	313	1.13	10	219	22	247	25	0.70	353
Washermen .....	313	1.00	1	267	267	267	267	0.85	313
	313	1.10	1	151	151	160	160	0.48	332
Total .....	313	1.02	2	418	209	427	214	1.33	320
The establishment.....	.....	1.30	42	4,578	109	b 5,955	142	14.13	421

a The earnings here shown are for one year. The statements for this establishment on pages 252 and 595 are for nine months only.

b In addition \$433 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 595.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

## ESTABLISHMENT No. 59.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Blacksmiths.....	313	\$1.20	2	249	125	\$298	\$149	0.80	\$375	
Blacksmith and truckman....	313	1.12½	1	113	113	127	127	0.36	352	
Engineers.....	313	1.00	3	738	246	735	245	2.36	312	
	313	1.25	1	27	27	34	34	0.09	394	
Total.....	313	1.00½	4	765	191	769	192	2.45	315	
Foremen.....	313	1.40	2	420	210	588	294	1.34	438	
	313	1.50	1	24	24	36	36	0.08	470	
Total.....	313	1.40½	3	444	148	624	208	1.42	440	
Foreman and miner.....	313	1.33	1	259	259	345	345	0.83	417	
Landers.....	313	.90	2	451	226	406	203	1.44	282	
Loaders.....	313	.60	1	7	7	4	4	0.02	179	
	313	.65	1	278	278	190	190	0.89	214	
	313	.80	1	100	100	81	81	0.32	254	
	313	.90	2	43	22	39	20	0.14	284	
	313	.95	2	567	284	542	271	1.81	299	
Total.....	313	.86	7	995	142	856	122	3.18	269	
Miners.....	313	.90	1	105	105	94	94	0.34	280	
	313	1.00	2	137	69	139	70	0.44	318	
	313	1.05	3	296	99	311	104	0.95	329	
	313	1.10	6	306	51	337	56	0.98	345	
	313	1.25	10	937	94	1,171	117	2.99	391	
Total.....	313	1.15	22	1,781	81	2,052	93	5.70	361	
Timbermen.....	313	1.05	1	252	252	264	264	0.81	328	
Truckmen.....	313	.90	13	1,517	117	1,371	105	4.85	283	
	313	.95	5	560	112	544	109	1.79	304	
	313	1.00	3	364	121	364	121	1.16	313	
	313	1.10	1	11	11	12	12	0.04	341	
Total.....	313	.93½	22	2,452	111	2,291	194	7.84	292	
The establishment.....	.....	1.03½	65	7,761	119	8,032	124	24.83	324	

## ESTABLISHMENT No. 61.

Carpenters.....	155	\$1.25	2	144	72	\$162	\$91	0.93	\$196	
Drivers.....	155	.50	4	83	21	41	10	0.54	77	
Engineers.....	155	1.25	2	270	135	334	167	1.74	192	
Foreman.....	155	1.50	1	154	154	231	231	0.99	233	
Laborer.....	155	1.00	1	2	2	2	2	0.01	155	
Landers.....	155	1.00	2	109	55	110	55	0.70	156	
Miners.....	155	1.25	9	326	36	407	45	2.10	194	
Timberman.....	155	1.25	1	108	108	135	135	0.70	194	
Truckmen.....	155	1.00	3	124	41	125	42	0.80	156	
	155	1.05	2	189	95	200	100	1.22	164	
	155	1.10	13	710	55	783	60	4.58	171	
	155	1.15	4	406	102	469	117	2.62	179	
Total.....	155	1.10½	22	1,429	65	1,577	72	9.22	171	

α In addition \$1,137 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 595.



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 61—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Washerman .....	155	\$1.10	1	121	121	\$133	\$133	0.78	\$170
The establishment.....	.....	1.15	45	2,746	61	3,152	70	17.71	178

## ESTABLISHMENT No. 64.

Engineers .....	155	\$1.15	2	304	152	\$353	\$177	1.96	\$180
Mine bosses .....	155	1.15	1	155	155	180	180	1.00	180
	181	1.31½	1	181	181	240	240	1.00	240
Total .....	168	1.25	2	336	168	420	210	2.00	210
Miners .....	155	.60	4	282	71	173	43	1.82	95
	155	.80	32	2,051	64	1,649	52	13.23	125
	155	.90	4	463	116	415	104	2.99	139
	155	1.00	5	395	79	395	79	2.55	155
Total .....	155	.82½	45	3,191	71	2,632	58	20.59	128
Miner and ore cleaner .....	155	.67	1	85	85	57	57	0.55	104
Ore cleaners .....	155	.30	1	39	39	12	12	0.25	48
	155	.40	2	60	30	24	12	0.39	62
	155	.50	1	14	14	7	7	0.09	78
	155	.60	1	77	77	46	46	0.50	93
Total .....	155	.47	5	190	38	89	18	1.23	73
The establishment.....	.....	.86½	55	4,106	75	3,551	65	26.33	135

## ESTABLISHMENT No. 69.

Bankmen .....	313	\$1.25	1	66	66	\$83	\$83	0.21	\$394
	313	1.35	1	256	256	345	345	0.82	422
	313	1.75	2	189	95	331	166	0.60	548
Total .....	313	1.48½	4	511	128	759	190	1.63	465
Blacksmith .....	313	1.56	1	234	234	365	365	0.75	488
Brakemen .....	313	1.35	2	534	267	721	361	1.71	423
Bricklayers .....	313	3.00	5	89	18	266	53	0.28	935
Carpenters .....	313	1.25	2	178	89	222	111	0.57	390
Engineer .....	313	2.30	1	313	313	720	720	1.00	720
Firemen .....	313	1.56	2	525	263	831	416	1.68	495
Fireman and pumpman .....	313	1.39	1	158	158	220	220	0.50	436
Foreman, track .....	313	1.25	1	61	61	76	76	0.19	390
Mine boss .....	313	2.30	1	313	313	720	720	1.00	720
Miners .....	313	.67	1	53	53	36	36	0.17	213
	313	.75	5	85	17	65	13	0.27	239
	313	.90	17	809	48	731	43	2.58	283
	313	1.00	117	8,198	70	8,169	70	26.19	312
	313	1.12	8	1,933	242	2,146	268	6.18	347
Total .....	313	1.00½	148	11,078	75	11,147	75	35.39	315

a In addition \$46 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 595.

b In addition \$102 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 596.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 69—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.						Condition of workmen had continuous employment.	
			Dif- ferent om- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.	
				Total.	Aver- age.	Total.	Aver- age.			
Pumpmen .....	313	\$1.25	4	434	109	\$529	\$132	1.39	\$382	
Timberman .....	313	1.56	1	24	24	37	37	0.08	483	
Watchman .....	313	1.00	1	166	166	173	173	0.53	326	
Water boys .....	313	.50	5	730	146	364	73	2.33	156	
	313	.75	4	222	56	172	43	0.71	243	
Total .....	313	.56½	9	952	106	536	60	3.04	176	
The establishment .....	.....	1.11½	183	15,570	85	17,322	95	49.74	348	

ESTABLISHMENT No. 72.

Blacksmiths .....	313	\$2.25	1	303	303	\$693	\$693	0.97	\$716
	313	2.50	1	257	257	623	623	0.82	759
Total .....	313	2.35	2	560	230	1,316	658	1.79	736
Blacksmiths' helpers .....	313	1.75	2	488	244	863	432	1.56	554
Brakemen .....	313	1.60	7	790	113	1,270	181	2.52	503
	313	1.65	5	1,336	267	2,230	446	4.27	522
	313	1.75	2	98	49	169	85	0.31	540
	313	1.85	1	176	176	330	330	0.56	587
Total .....	313	1.66½	15	2,400	160	3,999	267	7.66	522
Brakemen and laborers .....	313	1.64	2	494	247	810	405	1.58	513
Carpenters .....	313	1.80	1	49	49	87	87	0.16	556
	313	2.00	15	1,310	87	2,618	175	4.19	626
Total .....	313	1.99	16	1,359	85	2,705	169	4.35	623
Carpenter and laborer .....	313	1.83	1	29	29	53	53	0.09	572
Carpenter and miner .....	313	2.05½	1	35	35	72	72	0.11	644
Drift-cutters and miners .....	313	2.18	2	358	179	781	391	1.14	683
	313	2.46½	1	104	104	256	256	0.33	770
Total .....	313	2.24½	3	462	154	1,037	346	1.47	703
Drill boys .....	313	1.25	2	261	131	326	163	0.83	301
Drill runner .....	313	2.25	1	7	7	16	16	0.02	715
Drillers .....	313	3.50	1	84	84	292	292	0.27	1,088
Drymen .....	313	1.25	1	288	288	360	360	0.92	391
	313	1.60	2	480	240	757	379	1.53	494
Total .....	313	1.45½	3	768	256	1,117	372	2.45	435
Dumpers .....	313	1.80	1	109	100	360	360	0.64	566
	313	1.85	5	769	154	1,431	286	2.46	582
	313	1.90	2	338	169	638	319	1.08	591
	313	1.05	4	143	36	278	70	0.46	608
	313	2.00	2	52	26	104	52	0.17	626
Total .....	313	1.87½	14	1,501	107	2,811	201	4.81	586
Dumper and runners' helper ..	313	1.91	1	88	88	168	168	0.28	598
Dumping clerks .....	313	2.16	2	286	143	618	309	0.01	676

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 72—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.						Condition if workmen had continuous employment.	
			Dif-ferent em-ploy-és.	Days of work done.		Earnings.		Neces-sary em-ploy-és.	Conse-quent average earnings per em-ploy-é.	
				Total.	Aver-age.	Total.	Aver-age.			
Engineers .....	313	\$1.50	1	24	24	\$36	\$36	0.08	\$470	
	313	1.60	1	35	35	56	56	0.11	501	
	313	1.90	3	731	244	1,360	453	2.34	582	
	313	2.00	1	285	285	570	570	0.91	626	
	513	2.50	1	290	290	725	725	0.93	783	
Total .....	313	2.01	7	1,365	195	2,747	392	4.37	630	
Engineer and laborer .....	313	1.77	1	200	200	354	354	0.64	554	
Fillers .....	313	1.55	2	21	11	33	17	0.07	492	
	313	1.62½	2	53	27	86	43	0.17	508	
	313	1.75	9	285	32	492	55	0.91	540	
	313	1.85	2	58	29	108	54	0.19	583	
	313	1.90	3	276	92	527	176	0.88	598	
	313	1.95	5	558	111	1,088	218	1.78	612	
	313	2.00	2	150	75	298	149	0.48	622	
Total .....	313	1.88	25	1,399	56	2,632	105	4.48	589	
Firemen .....	313	1.50	1	252	252	381	381	0.81	473	
	313	1.60	4	400	100	639	160	1.28	500	
	313	1.75	2	312	156	546	273	1.00	548	
	313	2.00	3	747	249	1,489	496	2.39	624	
	313	2.14	1	99	99	212	212	0.32	670	
Total .....	313	1.80½	11	1,810	165	3,267	297	5.80	565	
Fireman and lander.....	313	1.87	1	156	156	292	292	0.50	586	
Foreman, carpenters.....	313	2.50	1	311	311	777	777	0.99	782	
Laborers.....	313	1.00	1	13	13	13	13	0.04	313	
	313	1.25	2	320	160	424	212	1.02	415	
	313	1.45	3	79	26	115	38	0.25	456	
	313	1.50	115	2,738	24	4,122	36	8.75	471	
	313	1.60	10	989	99	1,575	158	3.16	498	
	313	1.66	16	995	62	1,653	103	3.18	520	
	313	1.75	15	919	61	1,610	107	2.94	548	
	313	1.80	7	375	54	678	97	1.20	566	
	313	1.85	11	698	63	1,287	117	2.23	577	
	313	1.90	4	428	107	817	204	1.37	597	
	313	1.95	6	446	74	866	144	1.42	608	
	313	2.00	4	157	39	320	80	0.50	638	
Total .....	313	1.65½	194	8,157	42	13,480	99	26.06	517	
Laborer and mason .....	313	2.53	1	79	79	200	200	0.25	792	
Laborers and miners.....	313	1.76½	9	743	83	1,311	146	2.37	532	
	313	1.97	1	99	99	195	195	0.32	617	
Total .....	313	1.79	10	842	84	1,506	151	2.69	500	
Laborers and miners' helpers.	313	1.63	2	308	154	502	251	0.98	510	
Laborers and trammers.....	313	1.72	1	54	54	93	93	0.17	539	
	313	2.06	1	103	103	212	212	0.33	644	
Total .....	313	1.94½	2	157	79	305	153	0.50	608	
Laborer and watchman .....	365	1.69½	1	267	267	452	452	0.73	618	
Landers .....	313	1.50	5	737	147	1,108	222	2.35	471	
	313	1.60	3	360	120	599	200	1.15	521	
	313	1.75	3	598	199	1,028	343	1.91	538	
	313	1.80	3	910	303	1,629	543	2.91	560	
	313	1.85	4	1,143	286	2,157	539	3.65	591	
Total .....	313	1.74	18	3,748	208	6,521	362	11.97	545	



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Continued.

ESTABLISHMENT No. 72—Continued.

Occupation.	Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Different employ- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
				Total.	Aver- age.	Total.	Aver- age.		
Machinist .....	313	\$3.35	1	313	313	\$1,050	\$1,050	1.00	\$1,050
Masons .....	313	3.00	1	15	15	45	45	0.05	939
	313	3.16½	1	6	6	19	19	0.02	991
	313	4.00	3	60	20	239	80	0.19	1,247
	313	5.00	1	6	6	30	30	0.02	1,565
Total .....	313	3.83	6	87	15	333	56	0.28	1,198
Mine bosses .....	313	2.75	1	317	317	884	884	1.01	873
	313	5.25½	1	313	313	1,645	1,645	1.00	1,645
Total .....	313	4.01½	2	630	315	2,529	1,265	2.01	1,256
Mine runner.....	313	2.10	1	15	15	32	32	0.05	668
Miners .....	313	1.76	12	688	57	1,209	101	2.20	550
	313	1.96	163	18,257	112	35,799	220	58.33	614
	313	2.13	44	5,699	130	12,145	276	18.21	667
Total .....	313	1.99½	219	24,644	113	49,153	224	78.74	624
Miners and pit bosses .....	313	2.25½	5	851	170	1,917	383	2.72	705
Miners and pumpmen .....	313	1.99	2	547	274	1,089	545	1.75	623
Miner and teamster.....	313	2.11½	1	53	53	112	112	0.17	661
Miners' helpers.....	313	1.60	1	10	10	16	16	0.03	501
	313	1.75	1	55	55	96	96	0.18	546
	313	1.80	1	32	32	58	58	0.10	567
	313	1.85	16	695	43	1,286	80	2.22	579
	313	1.90	5	500	100	944	189	1.60	591
	313	1.93	3	513	171	989	330	1.64	603
	313	1.95	5	882	176	1,725	345	2.82	612
	313	2.00	2	467	234	931	466	1.49	624
Total .....	313	1.91½	34	3,154	93	6,045	178	10.08	600
Pit bosses .....	313	2.35	11	2,474	225	5,809	528	7.90	735
Pumpmen .....	313	1.75	1	298	298	499	499	0.95	524
	313	1.90	5	751	150	1,439	288	2.40	600
	313	2.00	1	115	115	230	230	0.37	626
Total .....	313	1.86½	7	1,164	166	2,168	310	3.72	583
Ropemen .....	313	1.75	1	26	26	46	46	0.08	554
	313	2.00	1	216	216	423	423	0.69	613
Total .....	313	1.94	2	242	121	469	235	0.77	607
Surface boss .....	313	2.00	1	278	278	557	557	0.89	627
Teamsters.....	313	1.95	1	312	312	611	611	1.00	613
	313	2.50	2	135	68	336	168	0.43	779
Total .....	313	2.12	3	447	149	947	316	1.43	663
Timbermen.....	313	2.00	20	925	46	1,852	93	2.96	627
	313	2.10	1	161	161	335	335	0.51	651
	313	2.25	1	130	130	290	290	3.42	698
Total .....	313	2.03½	22	1,216	55	2,477	113	3.89	638
Timberman, boss .....	313	2.80	1	318	318	888	888	1.02	874
Timekeepers .....	313	2.05	2	311	156	639	320	0.99	643



TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Continued.

## X.—Iron Ore: UNITED STATES—Concluded.

ESTABLISHMENT No. 72—Concluded.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Trackmen .....	313	\$1.90	2	320	160	\$610	\$305	1.02	\$597
	313	2.00	2	111	56	221	111	0.35	623
Total .....	313	1.93	4	431	108	831	208	1.37	603
Trammers .....	313	1.50	2	31	16	47	24	0.10	475
	313	1.75	5	188	38	320	64	0.60	533
	313	1.80	3	226	73	396	132	0.70	563
	313	1.85	24	564	24	1,048	44	1.80	582
	313	1.90	23	1,119	49	2,134	93	3.58	597
	313	1.95	18	1,004	56	1,956	109	3.21	610
	313	2.00	18	1,063	59	2,125	118	3.40	626
	313	2.05	1	24	24	49	49	0.08	639
Total .....	313	1.91½	94	4,213	45	8,075	86	13.47	600
Trimmers .....	313	1.85	5	110	22	203	41	0.35	578
	313	1.90	3	147	49	279	93	0.47	594
	313	1.95	1	43	43	84	84	0.14	611
	313	2.00	12	1,286	107	2,585	215	4.11	629
	313	2.10	4	641	160	1,342	336	2.05	655
Total .....	313	2.02	25	2,227	89	4,493	180	7.12	631
Watchman .....	365	1.50	1	50	50	75	75	0.14	548
The establishment .....	.....	1.95	784	71,286	91	138,926	177	227.65	610

## Y.—Iron Ore: CONTINENT OF EUROPE.

ESTABLISHMENT No. 76.

Miners .....	313	\$0.81½	13	3,838	295	\$3,123	\$240	12.26	\$255
	313	1.06½	1	303	303	323	323	0.97	334
Total .....	313	.83	14	4,141	296	3,446	246	13.23	260
The establishment .....	.....	.83	14	4,141	296	3,446	246	13.23	260

ESTABLISHMENT No. 77.

Foreman .....	313	\$0.84	1	117	117	\$98	\$98	0.37	\$262
Laborers .....	313	.56	5	170	34	95	19	0.54	175
Miners .....	313	.65½	1	26	26	17	17	0.08	205
	313	1.02½	11	1,032	94	1,057	96	3.30	321
Total .....	313	1.01½	12	1,058	88	1,074	90	3.38	318
The establishment .....	.....	.94	18	1,345	75	1,267	70	4.29	295

<sup>a</sup> In addition \$4,275 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 253 and 596.

<sup>b</sup> The earnings here shown are for only a part of the employés, while the statement for this establishment on page 253 is for the entire number.

TABLE XII.—ACTUAL AND THEORETICAL TIME AND EARNINGS—Concluded.

## Y.—Iron Ore: CONTINENT OF EUROPE—Concluded.

## ESTABLISHMENT No. 80.

Occupation.	Work- ing days in the period.	Actual daily earn- ings, or daily rate nearest to average daily earn- ings.	Actual condition for period.					Condition if workmen had continuous employment.	
			Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per em- ployé.
				Total.	Aver- age.	Total.	Aver- age.		
Firemen .....	158	\$0.52	2	318	159	\$171	\$86	2.01	\$85
Foremen .....	158	.95	2	300	150	286	143	1.90	151
Laborers .....	158	.60	3	517	172	313	104	3.27	96
Machinists .....	158	.74½	2	300	150	223	112	1.90	117
	158	.76	2	300	150	228	114	1.90	120
Total .....	158	.75	4	600	150	451	113	3.80	119
Mason and miner .....	158	.75	1	147	147	110	110	0.93	118
Miners .....	158	.71½	181	25,278	140	18,037	100	159.99	113
Ore setters .....	158	.38	2	212	106	80	40	1.34	60
	158	.52½	4	663	166	347	87	4.20	83
	158	.60	2	366	183	220	110	2.32	95
Total .....	158	.52	8	1,441	155	647	81	7.86	82
Timberman .....	158	.71½	1	156	156	111	111	0.99	112
The establishment .....	.....	.70½	202	28,557	141	20,126	100	180.75	111

<sup>a</sup> The earnings here shown are for six months. The statement for this establishment on page 253 is for three months only.

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## SUMMARY OF ACTUAL AND THEORETICAL TIME AND EARNINGS.

[In the following table each line will show the total of an occupation in an establishment. In a like occupation the facts for one establishment cannot be compared with those for another (except as to daily rate of pay), unless the periods are of equal length. The establishment numbers relate to the cost of production presentation, Tables I to XI. Where no establishment number is given no statement of cost of production for the establishment was obtained. In referring from this table to those on production by means of these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

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TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Marginal number.	Establishment number.	Occupation.	Industry.	Locality.
1		Acidman.....	Mixed iron and steel..	United States.....
2	170	Air-way men.....	Bituminous coal.....	Great Britain.....
3		Alley men.....	Mixed iron and steel..	United States.....
4		Annealers.....	Mixed iron and steel..	United States.....
5		Annealers and annealers' helpers.....	Mixed iron and steel..	United States.....
6	7	Ashmen.....	Muck bar iron.....	United States.....
7	9	.....do.....	Muck bar iron.....	United States.....
8	26	.....do.....	Muck bar iron.....	United States.....
9	7	.....do.....	Steel ingots.....	United States.....
10		.....do.....	Steel blooms.....	United States.....
11		.....do.....	Steel blooms.....	United States.....
12		.....do.....	Mixed iron and steel..	United States.....
13		.....do.....	Mixed iron and steel..	United States.....
14		.....do.....	Mixed iron and steel..	United States.....
15		.....do.....	Mixed iron and steel..	United States.....
16		.....do.....	Mixed iron and steel..	Continent of Europe.....
17		.....do.....	Mixed iron and steel..	Continent of Europe.....
18		.....do.....	Mixed iron and steel..	Great Britain.....
19		.....do.....	Mixed iron and steel..	Great Britain.....
20	19	.....do.....	Coke.....	United States.....
21		Ashmen (with teams).....	Steel blooms.....	United States.....
22		Ashmen and cleaners.....	Mixed iron and steel..	Continent of Europe.....
23		Ashmen and firemen.....	Mixed iron and steel..	United States.....
24		.....do.....	Mixed iron and steel..	United States.....
25		.....do.....	Mixed iron and steel..	Continent of Europe.....
26	19	Ashman and laborer.....	Coke.....	United States.....
27		Ashman and stoker.....	Mixed iron and steel..	United States.....
28		Assistants at furnace.....	Mixed iron and steel..	United States.....
29		Axle cutter.....	Mixed iron and steel..	United States.....
30		Axle cutter and machinist.....	Mixed iron and steel..	United States.....
31		Axle hammermen.....	Mixed iron and steel..	United States.....
32		Axle hammerman and blacksmith.....	Mixed iron and steel..	United States.....
33		Axle hammermen's helpers.....	Mixed iron and steel..	United States.....
34		Back tongs men.....	Mixed iron and steel..	United States.....
35	17	Ball boys.....	Muck bar iron.....	United States.....
36		Ballers.....	Mixed iron and steel..	Great Britain.....
37		Bank cleaner.....	Mixed iron and steel..	Great Britain.....
38	148	Bank men.....	Bituminous coal.....	Dominion of Canada.....
39	170	.....do.....	Bituminous coal.....	Great Britain.....
40	46	.....do.....	Iron ore.....	United States.....
41	69	.....do.....	Iron ore.....	United States.....
42		Bar handlers.....	Steel rails.....	Continent of Europe.....
43	29	Bar lifters and stock takers.....	Finished bar iron.....	Great Britain.....
44	58	Barrow helpers.....	Pig iron.....	Northern district, U. S.....
45	58	Barrow helper and coke forker.....	Pig iron.....	Northern district, U. S.....
46	58	Barrow helpers and fillers.....	Pig iron.....	Northern district, U. S.....
47	58	Barrow helper and laborer.....	Pig iron.....	Northern district, U. S.....
48	58	Barrow helpers and stockhouse men.....	Pig iron.....	Northern district, U. S.....
49		Barrowman.....	Mixed iron and steel..	Great Britain.....
50		Billet wheeler and drag-out.....	Mixed iron and steel..	United States.....
51	9	Blacksmiths.....	Pig iron.....	Northern district, U. S.....
52	10	.....do.....	Pig iron.....	Northern district, U. S.....
53	22	.....do.....	Pig iron.....	Northern district, U. S.....
54	32	.....do.....	Pig iron.....	Northern district, U. S.....
55	42	.....do.....	Pig iron.....	Northern district, U. S.....
56	49	.....do.....	Pig iron.....	Northern district, U. S.....
57	55	.....do.....	Pig iron.....	Northern district, U. S.....
58	58	.....do.....	Pig iron.....	Northern district, U. S.....
59	67	.....do.....	Pig iron.....	Northern district, U. S.....
60	84	.....do.....	Pig iron.....	Northern district, U. S.....
61	101	.....do.....	Pig iron.....	Southern district, U. S.....
62	103	.....do.....	Pig iron.....	Southern district, U. S.....
63	109	.....do.....	Pig iron.....	Southern district, U. S.....
64	114	.....do.....	Pig iron.....	Southern district, U. S.....
65	40	.....do.....	Pig iron.....	Continent of Europe.....
66		.....do.....	Pig iron.....	Continent of Europe.....
67	36	.....do.....	Pig iron.....	Great Britain.....



## TIME AND EARNINGS BY OCCUPATIONS.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		Marginal number.	
		Different employes.	Days of work done.		Earnings.		Necessary employes.		Consequent average earnings per employé.
			Total.	Average.	Total.	Average.			
313	\$1.50	1	292	292	\$438	\$438	0.93	\$470	1
91	1.25	6	323	54	403	67	3.55	114	2
287	1.75	2	412	206	725	363	1.44	505	3
313	(a)	8	(a)	(a)	165	21	(a)	(a)	4
313	(a)	(b)	(a)	(a)	3,536	(b)	(a)	(a)	5
155	1.42	3	263	88	373	124	1.70	220	6
313	1.37½	3	644	215	886	295	2.06	431	7
313	1.47	6	571	95	840	140	1.82	460	8
230	1.55	4	21	5	33	8	0.09	361	9
132	1.67	7	438	63	732	105	3.32	221	10
230	1.60	1	10	10	16	16	0.04	368	11
313	1.62	14	884	63	1,430	102	2.82	506	12
313	1.44	6	845	141	1,218	203	2.70	451	13
155	1.20½	2	108	54	140	70	0.70	201	14
313	1.25	2	14	7	18	9	0.04	402	15
313	.48	12	1,766	147	814	70	5.64	150	16
79	.77	2	103	52	79	40	1.30	61	17
48	.70	8	369	46	259	32	7.69	34	18
53	.61½	8	406	51	250	31	7.66	33	19
313	1.44½	6	515	86	744	124	1.64	452	20
251	2.11	2	429	215	905	453	1.71	529	21
313	.36½	2	338	169	124	62	1.08	115	22
313	1.45	1	239	239	347	347	0.76	454	23
313	1.33½	1	9	9	12	12	0.03	417	24
313	.68½	1	236	236	162	162	0.75	215	25
313	1.32½	1	52	52	69	69	0.17	415	26
155	1.25	1	8	8	10	10	0.05	194	27
287	1.81½	4	487	122	835	221	1.69	522	28
168	(a)	1	(a)	(a)	57	57	(a)	(a)	29
168	(a)	1	(a)	(a)	333	333	(a)	(a)	30
168	(a)	5	(a)	(a)	598	120	(a)	(a)	31
168	3.60	1	30	30	108	108	0.18	605	32
168	(a)	8	(a)	(a)	370	46	(a)	(a)	33
313	(a)	3	(a)	(a)	3,139	1,046	(a)	(a)	34
286	.61½	2	293	149	183	92	1.04	176	35
48	.50	21	503	24	252	12	10.49	24	36
48	(a)	1	(a)	(a)	18	18	(a)	(a)	37
313	1.12	8	2,034	254	2,277	285	6.50	350	38
91	1.38½	9	675	75	936	104	7.42	126	39
313	1.30½	40	6,040	151	7,882	197	19.30	408	40
313	1.48½	4	511	128	759	190	1.63	465	41
77	.68½	4	215	54	147	37	2.79	53	42
99	1.11	4	427	107	474	119	4.31	110	43
365	1.40	16	3,555	222	5,015	313	9.74	515	44
365	1.45	1	294	294	427	427	0.81	530	45
365	1.48½	5	1,481	296	2,196	439	4.06	541	46
365	1.45	1	283	283	410	410	0.78	529	47
365	1.47	3	769	256	1,132	377	2.11	537	48
156	.85	1	147	147	123	123	0.94	131	49
168	1.68½	1	82	82	138	138	0.49	283	50
313	2.38	6	249	42	592	99	0.80	744	51
313	2.37	2	422	211	1,000	500	1.35	742	52
313	2.20	1	300	300	660	660	0.96	689	53
365	2.61½	2	298	149	779	390	0.82	954	54
313	2.75	1	294	294	808	808	0.94	860	55
365	1.67½	2	458	229	767	384	1.25	611	56
155	2.50	1	166	166	415	415	1.07	388	57
313	2.43½	3	924	308	2,251	750	2.95	763	58
313	1.90	1	317	317	601	601	1.01	593	59
104	1.35	1	104	104	141	141	1.00	141	60
184	2.75	2	347	174	959	480	1.89	509	61
365	2.00	2	318	159	635	318	0.87	729	62
313	1.84½	2	610	305	1,124	562	1.95	577	63
365	1.50	1	320	320	487	487	0.88	555	64
90	.76	1	74	74	56	56	0.82	68	65
78	.74½	2	186	93	139	70	2.38	58	66
78	.77	3	230	77	177	59	2.95	60	67

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
 b Number of employes not given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production present for the establishment was obtained. In referring from this table to those on production by means of

Marginal number.	Establishment number.	Occupation.	Industry.	Locality.
68	37	Blacksmiths—concluded	Pig iron	Great Britain
69	7	do	Muck bar iron	United States
70	9	do	Muck bar iron	United States
71	26	do	Muck bar iron	United States
72	8	do	Finished bar iron	United States
73	9	do	Finished bar iron	United States
74	1	do	Steel ingots	United States
75	do	do	Steel ingots	Continent of Europe
76	do	do	Steel ingots	Continent of Europe
77	do	do	Steel ingots	Continent of Europe
78	do	do	Steel blooms	United States
79	do	do	Steel rails	Continent of Europe
80	do	do	Mixed iron and steel	United States
81	do	do	Mixed iron and steel	United States
82	do	do	Mixed iron and steel	United States
83	do	do	Mixed iron and steel	United States
84	do	do	Mixed iron and steel	United States
85	do	do	Mixed iron and steel	United States
86	do	do	Mixed iron and steel	United States
87	do	do	Mixed iron and steel	United States
88	do	do	Mixed iron and steel	Continent of Europe
89	do	do	Mixed iron and steel	Continent of Europe
90	do	do	Mixed iron and steel	Continent of Europe
91	do	do	Mixed iron and steel	Continent of Europe
92	do	do	Mixed iron and steel	Great Britain
93	do	do	Mixed iron and steel	Great Britain
94	do	do	Mixed iron and steel	Great Britain
95	18	do	Bituminous coal	United States
96	26	do	Bituminous coal	United States
97	96	do	Bituminous coal	United States
98	107	do	Bituminous coal	United States
99	109	do	Bituminous coal	United States
100	do	do	Bituminous coal	United States
101	do	do	Bituminous coal	United States
102	do	do	Bituminous coal	United States
103	do	do	Bituminous coal	United States
104	148	do	Bituminous coal	United States
105	170	do	Bituminous coal	Dominion of Canada
106	13	do	Bituminous coal	Great Britain
107	19	do	Coke	United States
108	23	do	Coke	United States
109	1	do	Coke	United States
110	12	do	Iron ore	United States
111	41	do	Iron ore	United States
112	42	do	Iron ore	United States
113	43	do	Iron ore	United States
114	45	do	Iron ore	United States
115	48	do	Iron ore	United States
116	51	do	Iron ore	United States
117	59	do	Iron ore	United States
118	69	do	Iron ore	United States
119	72	do	Iron ore	United States
120	1	Blacksmiths and blacksmiths' helpers	Steel ingots	United States
121	do	do	Mixed iron and steel	United States
122	42	do	Iron ore	United States
123	46	do	Iron ore	United States
124	1	Blacksmiths and laborers	Steel ingots	United States
125	1	do	Iron ore	United States
126	do	Blacksmith and miner	Bituminous coal	United States
127	59	Blacksmith and truckman	Iron ore	United States
128	9	Blacksmiths' helpers	Pig iron	Northern district, U. S.
129	10	do	Pig iron	Northern district, U. S.
130	22	do	Pig iron	Northern district, U. S.
131	32	do	Pig iron	Northern district, U. S.
132	42	do	Pig iron	Northern district, U. S.
133	55	do	Pig iron	Northern district, U. S.
134	58	do	Pig iron	Northern district, U. S.
135	101	do	Pig iron	Southern district, U. S.

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total	Average.	Total	Average.			
78	\$0.79½	4	358	90	\$284	\$71	4.59	\$62	68
155	2.30	1	108	108	248	248	0.70	356	69
313	2.25	1	136	136	306	306	0.43	704	70
313	2.08½	9	223	25	465	52	0.70	653	71
299	1.63½	4	637	159	1,040	260	2.13	488	72
313	2.25	1	68	68	153	153	0.22	704	73
313	2.43½	5	924	185	2,250	450	2.95	762	74
77	.67½	1	69	69	46	46	0.90	51	75
27	.91½	2	47	24	43	22	1.74	25	76
78	.62	2	150	75	93	47	1.92	48	77
230	2.78½	5	654	131	1,823	365	2.84	641	78
78	.83½	2	134	67	112	56	1.72	65	79
313	1.95½	3	464	155	906	302	1.49	611	80
313	2.98½	5	879	176	2,625	525	2.81	935	81
313	2.56½	4	981	245	2,518	630	3.13	803	82
313	3.60	1	310	310	1,120	1,120	0.99	1,131	83
168	2.78	4	375	94	1,042	261	2.23	467	84
155	2.88	4	282	71	812	203	1.82	446	85
313	3.07½	2	628	314	1,931	966	2.01	962	86
313	2.83½	5	853	171	2,418	484	2.73	887	87
313	.51	27	4,577	170	2,341	87	14.62	160	88
92	1.19	1	92	92	109	109	1.00	109	89
313	.53½	15	4,315	288	2,308	154	13.78	167	90
79	.91½	3	290	97	266	89	3.66	72	91
48	.78½	6	309	52	242	40	6.43	38	92
156	1.26½	4	681	170	861	215	4.35	197	93
53	.74	6	317	53	235	39	5.98	39	94
158	2.00	1	158	158	316	316	1.00	316	95
313	2.40	1	202	202	485	485	0.65	752	96
313	1.83	3	511	170	935	312	1.63	573	97
313	2.25	1	289	289	650	650	0.92	704	98
313	2.15	2	511	256	1,121	561	1.63	687	99
313	2.25	1	307	307	694	694	0.98	708	100
313	2.38	2	429	215	1,020	510	1.37	744	101
313	2.18½	5	661	132	1,445	289	2.11	684	102
313	2.21½	11	1,490	135	3,302	300	4.76	694	103
313	1.28	4	1,043	261	1,335	334	3.33	401	104
91	1.05½	6	470	78	496	83	5.17	96	105
313	1.90	1	228	228	436	436	0.73	599	106
313	2.75	1	201	201	552	552	0.64	800	107
313	2.25	1	200	200	449	449	0.64	703	108
313	2.00	2	157	79	314	157	0.50	626	109
313	2.25	1	296	296	690	690	0.95	730	110
313	2.03	1	313	313	636	636	1.00	636	111
313	1.97	9	2,442	271	4,810	534	7.80	617	112
313	1.60	2	404	202	646	323	1.29	500	113
313	2.50	1	153	153	376	376	0.49	769	114
313	1.70	1	271	271	461	461	0.87	532	115
313	1.58	1	236	236	372	372	0.75	493	116
313	1.20	2	249	125	298	149	0.80	375	117
313	1.56	1	234	234	365	365	0.75	488	118
313	2.35	2	560	280	1,316	658	1.79	736	119
313	1.91½	8	80	10	153	19	0.26	599	120
313	1.98	1	46	46	91	91	0.15	619	121
313	1.47½	1	264	264	390	390	0.84	462	122
313	1.79	3	870	290	1,558	519	2.78	561	123
313	1.33½	1	6	6	8	8	0.02	417	124
313	1.50	1	2	2	3	3	0.01	470	125
313	(a)	1	(a)	(a)	44	44	(a)	(a)	126
313	1.12½	1	113	113	127	127	0.36	352	127
313	1.56	4	211	53	329	82	0.68	488	128
313	1.54	3	561	187	863	288	1.79	481	129
313	1.30	3	312	104	407	136	1.00	408	130
365	1.50	1	291	291	433	433	0.80	543	131
313	1.50	2	308	154	461	231	0.98	468	132
155	1.60	1	177	177	286	286	1.14	250	133
313	1.65½	4	1,168	292	1,932	483	3.73	518	134
184	1.25	4	282	71	353	88	1.53	230	135

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
136	103	Blacksmiths' helpers—concluded .....	Pig iron .....	Southern district, U. S.
137	109	...do .....	Pig iron .....	Southern district, U. S.
138	40	...do .....	Pig iron .....	Continent of Europe..
139		...do .....	Pig iron .....	Continent of Europe..
140	9	...do .....	Muck bar iron .....	United States.....
141	26	...do .....	Muck bar iron .....	United States.....
142	9	...do .....	Finished bar iron .....	United States.....
143	1	...do .....	Steel ingots.....	United States.....
144		...do .....	Steel ingots.....	Continent of Europe..
145		...do .....	Steel ingots.....	Continent of Europe..
146		...do .....	Steel ingots.....	Continent of Europe..
147		...do .....	Steel billets.....	United States.....
148		...do .....	Steel blooms.....	United States.....
149		...do .....	Steel rafts.....	Continent of Europe..
150		...do .....	Mixed iron and steel .....	United States.....
151		...do .....	Mixed iron and steel .....	United States.....
152		...do .....	Mixed iron and steel .....	United States.....
153		...do .....	Mixed iron and steel .....	United States.....
154		...do .....	Mixed iron and steel .....	United States.....
155		...do .....	Mixed iron and steel .....	United States.....
156		...do .....	Mixed iron and steel .....	United States.....
157		...do .....	Mixed iron and steel .....	Continent of Europe..
158		...do .....	Mixed iron and steel .....	Continent of Europe..
159	107	...do .....	Bituminous coal .....	United States.....
160		...do .....	Bituminous coal .....	United States.....
161		...do .....	Bituminous coal .....	United States.....
162	170	...do .....	Bituminous coal .....	Great Britain.....
163	19	...do .....	Coke .....	United States.....
164	23	...do .....	Coke .....	United States.....
165	1	...do .....	Iron ore .....	United States.....
166	41	...do .....	Iron ore .....	United States.....
167	42	...do .....	Iron ore .....	United States.....
168	45	...do .....	Iron ore .....	United States.....
169	72	...do .....	Iron ore .....	United States.....
170		Blacksmiths' helper and catcher .....	Mixed iron and steel .....	United States.....
171		Blacksmiths' helpers and hanlers .....	Bituminous coal .....	United States.....
172		Blacksmiths' helper and miner .....	Bituminous coal .....	United States.....
173		Blacksmiths' helper and oiler .....	Mixed iron and steel .....	United States.....
174	26	Blacksmiths' helper and pipe fitter .....	Bituminous coal .....	United States.....
175	10	Blacksmiths' helper and stock preparer .....	Pig iron .....	Northern district, U. S.
176	36	Blacksmiths' strikers .....	Pig iron .....	Great Britain.....
177	37	...do .....	Pig iron .....	Great Britain.....
178		...do .....	Mixed iron and steel .....	Great Britain.....
179		...do .....	Mixed iron and steel .....	Great Britain.....
180		...do .....	Mixed iron and steel .....	Great Britain.....
181	26	Blastors .....	Bituminous coal .....	United States.....
182		...do .....	Bituminous coal .....	United States.....
183	26	Blaster and drillor .....	Bituminous coal .....	United States.....
184		Blasters and head cutters .....	Bituminous coal .....	United States.....
185	26	Blasters and loaders .....	Bituminous coal .....	United States.....
186	26	Blaster and watchman .....	Bituminous coal .....	United States.....
187	17	Bloom boys .....	Muck bar iron .....	United States.....
188		...do .....	Mixed iron and steel .....	United States.....
189		Bloom tossers .....	Mixed iron and steel .....	United States.....
190		Bloomers .....	Mixed iron and steel .....	Great Britain.....
191		...do .....	Mixed iron and steel .....	Great Britain.....
192		...do .....	Mixed iron and steel .....	Great Britain.....
193		Bloomer and roller .....	Mixed iron and steel .....	Great Britain.....
194		Bloomers' helpers .....	Mixed iron and steel .....	Great Britain.....
195	7	Blowers .....	Steel ingots.....	United States.....
196		...do .....	Steel ingots.....	Continent of Europe..
197		...do .....	Steel ingots.....	Continent of Europe..
198		...do .....	Steel ingots.....	Continent of Europe..
199		...do .....	Mixed iron and steel .....	Great Britain.....
200	1	Blowers, baking fan .....	Steel ingots.....	United States.....
201	1	Blowers, converter .....	Steel ingots.....	United States.....
202	7	Blowers and regulators .....	Steel ingots.....	United States.....
203		Bogie boys .....	Mixed iron and steel .....	Great Britain.....
204	29	Bogie men .....	Finished bar iron .....	Great Britain.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
365	\$1.00	3	331	110	\$335	\$112	0.91	\$369	136
313	1.00	1	281	281	281	281	0.90	313	137
90	.64	1	68	68	44	44	0.76	58	138
78	.45	3	245	82	110	37	3.14	35	139
313	1.40	1	187	187	264	264	0.60	442	140
313	1.50	6	217	36	321	54	0.69	463	141
313	1.42	1	93	93	132	132	0.30	444	142
313	1.50	6	861	144	1,291	215	2.75	469	143
77	.34	1	67	67	23	23	0.87	26	144
27	.62½	2	43	22	27	14	1.59	17	145
78	.48	5	322	64	155	31	4.13	38	146
202	1.50	2	187	94	283	142	0.93	306	147
230	1.85	4	574	144	1,062	266	2.50	426	148
78	.47	4	231	58	108	27	2.96	36	149
313	1.74	6	1,319	220	2,298	383	4.22	545	150
313	1.59½	8	1,346	168	2,147	268	4.30	499	151
313	1.81½	3	927	309	1,684	561	2.96	569	152
168	1.43½	16	567	35	815	51	3.37	241	153
155	1.51	5	643	129	972	194	4.15	234	154
313	1.49	2	521	261	776	388	1.66	466	155
313	1.50	2	565	233	848	424	1.81	470	156
313	.44	9	1,553	173	685	76	4.97	138	157
79	.63½	2	63	32	40	20	0.79	50	158
313	1.50	1	182	182	273	273	0.58	470	159
313	1.70	1	10	10	17	17	0.03	532	160
313	1.21	26	1,426	55	1,725	66	4.55	379	161
91	.47	5	407	81	191	38	4.47	43	162
213	1.25	1	202	202	252	252	0.65	390	163
313	1.00	1	17	17	17	17	0.05	313	164
313	1.60	1	28	28	44	44	0.09	492	165
313	1.17½	2	149	75	175	88	0.48	368	166
313	1.41½	3	905	302	1,281	427	2.89	443	167
313	1.75	2	237	119	415	208	0.76	548	168
313	1.75	2	488	244	863	432	1.56	554	169
313	1.37½	1	212	212	291	291	0.68	430	170
313	1.13	2	116	58	131	66	0.37	353	171
313	(a)	1	(a)	(a)	231	231	(a)	(a)	172
313	1.53	1	68	68	104	104	0.22	479	173
313	1.83	1	213	213	390	390	0.68	573	174
365	1.50	1	4	4	6	6	0.01	548	175
78	.54½	3	224	75	122	41	2.87	42	176
78	.52½	4	356	89	187	47	4.56	41	177
48	.53	8	361	45	192	24	7.52	26	178
156	.82½	4	668	167	552	138	4.29	129	179
53	.53½	10	456	46	244	24	8.60	28	180
313	2.04	8	359	45	733	92	1.15	639	181
313	1.68½	3	35	12	59	20	0.11	528	182
313	2.10	1	129	129	271	271	0.41	658	183
365	(a)	2	(a)	(a)	169	85	(a)	(a)	184
313	1.98	4	246	62	487	122	3.79	620	185
313	1.77	1	169	169	299	299	0.54	554	186
286	1.33	2	298	149	396	198	1.04	380	187
287	1.50	1	235	235	353	353	0.82	431	188
286	1.70	4	477	119	811	203	1.67	486	189
48	(a)	13	(a)	(a)	430	34	(a)	(a)	190
156	1.35	2	215	108	299	145	1.38	210	191
53	(a)	5	(a)	(a)	320	64	(a)	(a)	192
48	(a)	1	(a)	(a)	98	98	(a)	(a)	193
48	.56	2	73	37	41	21	1.52	27	194
230	3.99	3	352	117	1,404	468	1.54	917	195
77	1.04	6	409	68	426	71	5.31	80	196
27	1.21½	2	43	22	53	27	1.59	33	197
78	.63½	2	112	56	71	36	1.44	49	198
53	(a)	6	(a)	(a)	414	69	(a)	(a)	199
313	1.73½	3	458	153	794	265	1.46	543	200
313	2.79½	2	296	148	827	414	0.95	874	201
230	3.52	2	398	199	1,400	700	1.73	809	202
156	.36½	2	229	115	84	42	1.47	57	203
99	.97½	3	279	93	272	91	2.82	97	204

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
205		Bogie men—concluded	Mixed iron and steel	Great Britain
206		Bogie men's helper	Mixed iron and steel	Great Britain
207	10	Boiler cleaners	Pig iron	Northern district, U. S.
208	42	do	Pig iron	Northern district, U. S.
209	40	do	Pig iron	Continent of Europe
210		do	Pig iron	Great Britain
211	36	do	Pig iron	Great Britain
212	37	do	Pig iron	Great Britain
213		do	Pig iron	Great Britain
214		do	Mixed iron and steel	United States
215		do	Mixed iron and steel	Continent of Europe
216		do	Mixed iron and steel	Great Britain
217	42	Boiler cleaners and laborers	Pig iron	Northern district, U. S.
218	10	Boiler cleaner and water tender	Pig iron	Northern district, U. S.
219	36	Boiler feeders	Pig iron	Great Britain
220	37	do	Pig iron	Great Britain
221		Boiler scalers	Mixed iron and steel	Great Britain
222	7	Boiler tenders	Muck bar iron	United States
223		do	Mixed iron and steel	United States
224		do	Mixed iron and steel	United States
225		do	Mixed iron and steel	Continent of Europe
226		do	Mixed iron and steel	Continent of Europe
227		Boiler tender and engineer	Mixed iron and steel	United States
228		Boiler washer	Coke	Continent of Europe
229	9	Boilermakers	Pig iron	Northern district, U. S.
230	1	do	Steel ingots	United States
231		do	Mixed iron and steel	United States
232		do	Mixed iron and steel	United States
233		do	Mixed iron and steel	United States
234		do	Mixed iron and steel	Great Britain
235		do	Coke	Continent of Europe
236	9	Boilermakers' helpers	Pig iron	Northern district, U. S.
237		do	Steel billets	United States
238		do	Mixed iron and steel	United States
239	67	Boilermen	Pig iron	Northern district, U. S.
240		do	Mixed iron and steel	United States
241		do	Mixed iron and steel	Continent of Europe
242		do	Mixed iron and steel	Great Britain
243		Boilermen and gasmen	Mixed iron and steel	United States
244		Boilerman and painter	Mixed iron and steel	United States
245		Boilersmiths	Mixed iron and steel	Continent of Europe
246		do	Mixed iron and steel	Continent of Europe
247		do	Mixed iron and steel	Great Britain
248	170	do	Bituminous coal	Great Britain
249		Bolt cutters	Mixed iron and steel	United States
250		do	Mixed iron and steel	United States
251		Bolt packers	Mixed iron and steel	United States
252		Borers	Steel rails	Continent of Europe
253	2	Bottom builders	Steel ingots	United States
254	7	do	Steel ingots	United States
255		do	Steel ingots	Continent of Europe
256		do	Mixed iron and steel	Continent of Europe
257		do	Mixed iron and steel	Great Britain
258	7	Bottom builders' helpers	Steel ingots	United States
259	7	Bottom builders' helper and grinder	Steel ingots	United States
260	1	Bottom men	Steel ingots	United States
261	1	Bottom man and coal handler	Steel ingots	United States
262	1	Bottom man and masons' helper	Steel ingots	United States
263	1	Bottom man and stone handler	Steel ingots	United States
264	148	Bottomers	Bituminous coal	Dominion of Canada
265	29	Box pile makers	Finished bar iron	Great Britain
266	32	Brakemen	Pig iron	Northern district, U. S.
267	42	do	Pig iron	Northern district, U. S.
268	58	do	Pig iron	Northern district, U. S.
269	95	do	Pig iron	Southern district, U. S.
270	103	do	Pig iron	Southern district, U. S.
271		do	Steel blooms	United States
272		do	Steel blooms	United States

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
156	\$1.27	9	1,038	115	\$1,320	\$147	6.66	\$198	205
156	1.03½	1	135	135	140	140	0.87	162	206
365	1.50	1	103	103	154	154	0.28	546	207
365	.82½	29	238	8	196	7	0.65	301	208
90	.25	1	76	76	19	19	0.84	23	209
91	.20½	4	320	80	65	16	3.52	18	210
91	.61	2	196	98	120	60	2.16	56	211
91	.61	4	391	98	239	60	4.30	56	212
135	.82½	1	135	135	111	111	1.00	111	213
163	1.00	1	73	73	73	73	0.43	168	214
92	.55	2	198	99	109	55	2.15	51	215
48	.61	3	93	31	56	19	1.94	29	216
365	1.11½	4	159	40	177	44	0.43	406	217
365	1.87	1	329	329	616	616	0.90	683	218
91	.67	2	182	91	122	61	2.00	61	219
91	.65	4	367	92	238	60	4.03	59	220
53	.61½	2	111	56	68	34	2.09	32	221
155	1.75	4	160	40	280	70	1.03	271	222
313	1.50	1	241	241	357	357	0.77	464	223
155	1.75	4	729	182	1,280	320	4.70	272	224
313	.81	10	2,999	300	2,424	242	9.58	253	225
313	.77	1	259	259	198	198	0.83	239	226
155	1.86	1	116	116	216	216	0.75	289	227
365	.48½	1	63	63	30	30	0.17	174	228
365	2.50	2	24	12	60	30	0.07	913	229
313	2.25	1	174	174	391	391	0.56	703	230
313	2.33	3	683	228	1,591	530	2.18	729	231
313	(a)	1	(a)	(a)	414	414	(a)	(a)	232
313	2.25	1	8	8	18	18	0.03	704	233
156	1.06½	2	410	205	436	218	2.63	166	234
365	1.00	1	2	2	2	2	0.01	365	235
365	1.50	1	9	9	14	14	0.02	568	236
202	1.66½	2	372	186	619	310	1.85	336	237
313	1.00	1	228	228	228	228	0.73	313	238
365	1.63½	2	354	177	579	290	0.97	597	239
155	1.75	5	309	80	694	139	2.57	270	240
79	.87	1	89	89	77	77	1.13	68	241
156	1.12½	6	959	160	1,078	180	6.15	175	242
313	1.71½	2	356	178	610	305	1.14	536	243
155	2.16½	1	12	12	26	26	0.08	336	244
313	.71	2	609	305	431	216	1.95	222	245
313	.66	4	1,519	380	1,006	252	4.85	207	246
156	1.40½	3	528	176	741	247	3.39	219	247
91	1.53½	1	90	90	138	138	0.99	140	248
313	1.82½	10	1,128	113	1,497	150	3.61	415	249
313	1.60	1	312	312	500	500	1.00	502	250
313	.90	2	527	264	465	233	1.68	276	251
78	.49½	8	545	68	270	34	6.09	39	252
132	2.98½	4	398	100	1,189	297	3.02	394	253
230	4.89	2	328	164	1,604	802	1.43	1,125	254
27	.66	9	133	15	88	10	4.92	18	255
313	.49	27	6,308	234	3,090	114	20.15	153	256
63	(a)	4	(a)	(a)	175	44	(a)	(a)	257
230	3.87½	2	378	189	1,465	733	1.64	891	258
230	1.80	1	235	235	423	423	1.02	414	259
313	1.57	9	814	90	1,276	142	2.60	491	260
313	1.66½	1	3	3	5	5	0.01	522	261
313	1.45	1	20	20	20	20	0.06	454	262
313	1.50	1	2	2	3	3	0.01	470	263
313	.94½	6	1,356	226	1,283	214	4.33	296	264
99	1.12½	2	220	110	247	124	2.22	111	265
313	1.50	2	493	247	736	368	1.58	467	266
365	1.50	2	406	248	744	372	1.36	548	267
365	1.74	20	3,757	188	6,539	327	10.20	635	268
334	1.29	3	356	119	460	153	1.06	432	269
365	1.50	1	74	74	111	111	0.20	548	270
132	1.70½	4	320	82	561	140	2.49	225	271
230	1.57	10	773	77	1,215	122	3.36	362	272

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
273		Brakemen—concluded .....	Mixed iron and steel..	United States .....
274	156	do .....	Bituminous coal .....	Continent of Enrope..
275	41	do .....	Iron ore .....	United States .....
276	42	do .....	Iron ore .....	United States .....
277	46	do .....	Iron ore .....	United States .....
278	69	do .....	Iron ore .....	United States .....
279	72	do .....	Iron ore .....	United States .....
280	103	Brakeman, dinkey .....	Pig iron .....	Southern district, U. S.
281	148	Brakeman, incline .....	Bituminous coal .....	Dominion of Canada ..
282	67	Brakeman, locomotive .....	Pig iron .....	Northern district, U. S.
283	7	do .....	Steel ingots .....	United States .....
284		do .....	Steel blooms .....	United States .....
285	58	Brakeman and casthouse man .....	Pig iron .....	Northern district, U. S.
286	58	Brakeman and dumper .....	Pig iron .....	Northern district, U. S.
287	103	Brakeman and fireman .....	Pig iron .....	Southern district, U. S.
288	58	Brakemen and laborers .....	Pig iron .....	Northern district, U. S.
289	103	do .....	Pig iron .....	Southern district, U. S.
290	72	do .....	Iron ore .....	United States .....
291		Brauder .....	Mixed iron and steel..	United States .....
292	22	Bricklayers .....	Pig iron .....	Northern district, U. S.
293	32	do .....	Pig iron .....	Northern district, U. S.
294	103	do .....	Pig iron .....	Southern district, U. S.
295	109	do .....	Pig iron .....	Southern district, U. S.
296		do .....	Pig iron .....	Great Britain .....
297	17	do .....	Muck bar iron .....	United States .....
298	5	do .....	Steel ingots .....	United States .....
299		do .....	Steel blooms .....	United States .....
300		do .....	Mixed iron and steel..	United States .....
301		do .....	Mixed iron and steel..	United States .....
302		do .....	Mixed iron and steel..	United States .....
303		do .....	Mixed iron and steel..	United States .....
304	170	do .....	Bituminous coal .....	Great Britain .....
305	69	do .....	Iron ore .....	United States .....
306		Bricklayers and laborers .....	Steel blooms .....	United States .....
307		Bricklayers' helpers .....	Pig iron .....	Great Britain .....
308	17	do .....	Muck bar iron .....	United States .....
309	5	do .....	Steel ingots .....	United States .....
310		do .....	Mixed iron and steel..	United States .....
311		do .....	Mixed iron and steel..	United States .....
312		do .....	Mixed iron and steel..	United States .....
313		do .....	Mixed iron and steel..	United States .....
314	170	do .....	Bituminous coal .....	Great Britain .....
315		Buggy-offs .....	Mixed iron and steel..	United States .....
316	7	Buggymen .....	Muck bar iron .....	United States .....
317		do .....	Mixed iron and steel..	United States .....
318		do .....	Mixed iron and steel..	United States .....
319		do .....	Mixed iron and steel..	Continent of Europe..
320		Buggyman and heaters' helper .....	Mixed iron and steel..	United States .....
321	7	Buggyman and puddler .....	Muck bar iron .....	United States .....
322		Bundle carriers .....	Mixed iron and steel..	Continent of Europe..
323		Bundle carrier and heaters' helper .....	Mixed iron and steel..	Continent of Europe..
324		Bundlers .....	Mixed iron and steel..	United States .....
325		do .....	Mixed iron and steel..	United States .....
326		do .....	Mixed iron and steel..	Continent of Europe..
327		do .....	Mixed iron and steel..	Continent of Europe..
328		do .....	Mixed iron and steel..	Continent of Europe..
329		do .....	Mixed iron and steel..	Great Britain .....
330		Bundler and laborer .....	Mixed iron and steel..	United States .....
331		Bundlers and shippers .....	Mixed iron and steel..	United States .....
332	29	Bundlers and stock takers .....	Finished bar iron .....	Great Britain .....
333	170	Bye-workmen .....	Bituminous coal .....	Great Britain .....
334	9	Cagemen .....	Pig iron .....	Northern district, U. S.
335	10	do .....	Pig iron .....	Northern district, U. S.
336	32	do .....	Pig iron .....	Northern district, U. S.
337	55	do .....	Pig iron .....	Northern district, U. S.
338	103	do .....	Pig iron .....	Southern district, U. S.
339	109	do .....	Pig iron .....	Southern district, U. S.
340	114	do .....	Pig iron .....	Southern district, U. S.



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with these for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- ginal num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.75	1	309	309	\$559	\$559	0.99	\$566	273
77	.27½	5	251	50	69	14	3.26	21	274
313	1.50	1	63	63	95	95	0.20	472	275
313	1.50	3	916	305	1,374	458	2.93	470	276
313	1.30	5	1,060	212	1,378	276	3.39	407	277
313	1.35	2	534	267	721	361	1.71	423	278
313	1.66½	15	2,400	160	3,999	267	7.66	522	279
365	1.35	1	200	200	267	267	0.55	487	280
313	.76	13	2,745	211	2,092	161	8.77	239	281
365	1.38½	1	246	246	341	341	0.67	506	282
230	1.55	3	77	26	119	40	0.33	355	283
132	1.65	1	123	123	202	202	0.93	217	284
265	1.62	1	168	168	272	272	0.46	591	285
365	1.62½	1	346	346	566	566	0.95	597	286
365	1.28	1	111	111	142	142	0.30	467	287
365	1.59½	3	666	222	1,061	354	1.82	581	288
365	1.25	1	4	4	5	5	0.01	456	289
313	1.64	2	494	247	810	405	1.58	513	290
313	1.75	1	302	302	515	515	0.96	534	291
313	3.80	10	10	1	38	4	0.04	1,189	292
313	4.33½	1	3	3	13	13	0.01	1,356	293
365	4.05½	13	54	4	219	17	0.14	1,480	294
313	3.60	2	67	34	200	100	0.21	934	295
135	1.26½	3	297	99	375	125	2.20	170	296
313	2.94	2	208	104	612	306	0.66	921	297
132	3.82½	12	17	1	65	5	0.13	505	298
251	2.50	1	152	152	382	382	0.61	631	299
313	3.40½	12	182	15	620	52	0.58	1,066	300
313	4.00	4	338	85	1,352	338	1.08	1,252	301
168	3.50	1	168	168	588	588	1.00	588	302
313	3.40½	7	625	89	2,127	304	2.00	1,065	303
91	1.42½	1	59	59	84	84	0.65	130	304
313	3.00	5	89	18	266	53	0.28	935	305
251	1.73½	2	243	122	421	211	0.97	435	306
135	.81	3	316	105	256	85	2.34	109	307
313	1.41	2	406	203	572	286	1.29	441	308
132	1.50	2	2	1	3	2	0.02	198	309
313	1.25	2	530	295	739	370	1.88	392	310
313	1.99	8	759	95	1,509	189	2.42	622	311
168	2.25	1	190	190	428	428	1.13	378	312
313	1.40	2	335	168	472	236	1.07	441	313
91	.81	1	79	79	64	64	0.87	74	314
313	(a)	5	(a)	(a)	1,453	291	(a)	(a)	315
155	1.43	6	250	42	358	60	1.62	222	316
155	1.57	6	132	22	207	35	0.85	243	317
313	1.87½	3	561	187	1,051	350	1.79	586	318
313	.57½	1	170	170	98	98	0.54	180	319
155	1.83½	1	6	6	11	11	0.04	284	320
155	2.16	1	31	31	67	67	0.20	335	321
92	.40	24	878	37	353	15	9.54	37	322
92	.56	1	52	52	29	29	0.57	51	323
168	(a)	1	(a)	(a)	223	223	(a)	(a)	324
313	1.72	3	681	227	1,172	391	2.17	539	325
313	.42½	9	1,827	203	776	86	5.84	133	326
313	.37	10	2,221	222	826	83	7.10	116	327
79	.47	8	369	46	174	22	4.66	37	328
48	(a)	1	(a)	(a)	160	160	(a)	(a)	329
155	1.63½	1	112	112	183	183	0.72	253	330
313	1.25	5	1,256	251	1,569	314	4.01	391	331
99	1.14½	11	1,205	110	1,381	126	12.17	113	332
91	1.01	23	1,221	53	1,236	54	13.42	92	333
365	2.25½	2	400	200	902	451	1.10	823	334
365	1.65	2	339	170	564	282	0.93	607	335
365	1.65	2	631	316	1,032	516	1.73	597	336
181	2.00	2	352	176	703	352	1.94	361	337
365	1.40	1	339	339	473	473	0.93	509	338
365	1.43½	1	316	316	453	453	0.87	523	339
365	1.13½	2	98	49	111	56	0.27	413	340

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Marginal number.	Establishment number.	Occupation.	Industry.	Locality.
341	18	Cagemen—concluded .....	Bituminous coal .....	United States .....
342		do .....	Bituminous coal .....	United States .....
343	156	do .....	Bituminous coal .....	Continent of Europe .....
344	12	do .....	Iron ore .....	United States .....
345	26	Cageman and driver .....	Bituminous coal .....	United States .....
346	101	Cagemen and fillers .....	Pig iron .....	Southern district, U. S. .....
347	103	do .....	Pig iron .....	Southern district, U. S. .....
348	10	Cageman and laborer .....	Pig iron .....	Northern district, U. S. .....
349	26	Cagemen and loaders .....	Bituminous coal .....	United States .....
350	10	Cagemen's helpers .....	Pig iron .....	Northern district, U. S. .....
351	10	Cagemen's helper and stock preparer .....	Pig iron .....	Northern district, U. S. .....
352		Call boys .....	Mixed iron and steel .....	United States .....
353	7	Callers .....	Muck bar iron .....	United States .....
354		do .....	Mixed iron and steel .....	United States .....
355		do .....	Mixed iron and steel .....	United States .....
356	170	Capstan men .....	Bituminous coal .....	Great Britain .....
357	1	Car leveller .....	Iron ore .....	United States .....
358	13	Car shifters .....	Coke .....	United States .....
359	1	Carboneers .....	Steel ingots .....	United States .....
360		do .....	Steel billets .....	United States .....
361	9	Carpenters .....	Pig iron .....	Northern district, U. S. .....
362	10	do .....	Pig iron .....	Northern district, U. S. .....
363	32	do .....	Pig iron .....	Northern district, U. S. .....
364	41	do .....	Pig iron .....	Northern district, U. S. .....
365	42	do .....	Pig iron .....	Northern district, U. S. .....
366	49	do .....	Pig iron .....	Northern district, U. S. .....
367	55	do .....	Pig iron .....	Northern district, U. S. .....
368	58	do .....	Pig iron .....	Northern district, U. S. .....
369	67	do .....	Pig iron .....	Northern district, U. S. .....
370	83	do .....	Pig iron .....	Northern district, U. S. .....
371	84	do .....	Pig iron .....	Northern district, U. S. .....
372	101	do .....	Pig iron .....	Southern district, U. S. .....
373	103	do .....	Pig iron .....	Southern district, U. S. .....
374	109	do .....	Pig iron .....	Southern district, U. S. .....
375		do .....	Pig iron .....	Continent of Europe .....
376	36	do .....	Pig iron .....	Great Britain .....
377	37	do .....	Pig iron .....	Great Britain .....
378		do .....	Steel ingots .....	Continent of Europe .....
379		do .....	Steel billets .....	United States .....
380		do .....	Steel blooms .....	United States .....
381		do .....	Steel blooms .....	United States .....
382		do .....	Mixed iron and steel .....	United States .....
383		do .....	Mixed iron and steel .....	United States .....
384		do .....	Mixed iron and steel .....	United States .....
385		do .....	Mixed iron and steel .....	United States .....
386		do .....	Mixed iron and steel .....	United States .....
387		do .....	Mixed iron and steel .....	United States .....
388		do .....	Mixed iron and steel .....	United States .....
389		do .....	Mixed iron and steel .....	United States .....
390		do .....	Mixed iron and steel .....	Continent of Europe .....
391		do .....	Mixed iron and steel .....	Continent of Europe .....
392		do .....	Mixed iron and steel .....	Continent of Europe .....
393		do .....	Mixed iron and steel .....	Continent of Europe .....
394		do .....	Mixed iron and steel .....	Great Britain .....
395		do .....	Mixed iron and steel .....	Great Britain .....
396	18	do .....	Bituminous coal .....	United States .....
397	26	do .....	Bituminous coal .....	United States .....
398	96	do .....	Bituminous coal .....	United States .....
399	107	do .....	Bituminous coal .....	United States .....
400	109	do .....	Bituminous coal .....	United States .....
401		do .....	Bituminous coal .....	United States .....
402		do .....	Bituminous coal .....	United States .....
403		do .....	Bituminous coal .....	United States .....
404		do .....	Bituminous coal .....	United States .....
405	148	do .....	Bituminous coal .....	Dominion of Canada .....
406	170	do .....	Bituminous coal .....	Great Britain .....
407	6	do .....	Coke .....	United States .....
408	13	do .....	Coke .....	United States .....
409	19	do .....	Coke .....	United States .....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
158	\$1.72	3	312	104	\$537	\$179	1.97	\$272	341
313	1.92	5	318	64	610	122	1.02	600	342
77	.64	6	292	49	187	31	3.78	49	343
313	1.75	2	538	279	936	468	1.78	525	344
313	1.92½	1	163	163	314	314	0.52	603	345
184	1.20	196	5,817	30	6,976	36	31.61	221	346
365	1.30	1	70	70	91	91	0.19	475	347
365	1.58½	1	250	250	396	396	0.68	578	348
313	1.90	2	289	145	549	275	0.92	595	349
365	1.50	3	450	150	673	224	1.23	546	350
365	1.58	1	333	333	526	526	0.91	577	351
313	1.37½	1	276	276	380	380	0.88	431	352
155	1.50	1	7	7	10	10	0.05	221	353
313	1.57½	1	362	362	570	570	1.16	493	354
155	1.50	1	179	179	269	269	1.15	233	355
91	.85	3	209	70	178	59	2.30	78	356
313	1.25	1	182	182	227	227	0.58	390	357
313	1.45	2	299	150	429	215	0.96	449	358
313	2.73½	1	15	15	41	41	0.05	856	359
202	2.28	2	259	130	590	295	1.28	460	360
313	2.33½	2	268	134	626	313	0.85	731	361
313	1.77½	9	1,375	153	2,440	271	4.39	555	362
313	2.38½	2	284	142	677	339	0.91	746	363
143	2.00	1	142	142	284	284	0.99	286	364
313	2.33½	3	496	165	1,158	386	1.58	731	365
313	1.60	1	314	314	502	502	1.00	500	366
155	2.50	1	149	149	373	373	0.96	388	367
313	2.01½	11	2,613	238	5,265	479	8.35	631	368
313	1.80	1	289	289	463	463	0.92	501	369
79	1.75	1	79	79	138	138	1.00	138	370
104	2.00	1	20	20	40	40	0.19	208	371
184	2.48½	5	485	97	1,205	241	2.63	457	372
365	1.50	1	351	351	527	527	0.96	548	373
313	2.00	1	326	326	658	658	1.04	632	374
78	.67½	1	44	44	29	29	0.56	51	375
78	.67	1	77	77	51	51	0.99	52	376
78	.73	1	107	107	78	78	1.37	57	377
27	1.64½	2	28	14	46	23	1.04	44	378
202	2.22½	4	420	105	935	234	2.09	450	379
144	2.12	3	100	33	212	71	0.69	305	380
251	2.40	11	921	84	2,210	201	3.67	602	381
313	3.00	1	14	14	41	41	0.04	917	382
313	2.27½	19	774	41	1,762	93	2.48	713	383
313	2.23½	5	501	100	1,120	224	1.60	700	384
313	2.75	1	374	374	1,013	1,013	1.19	848	385
168	3.00	3	27	9	80	27	0.16	498	386
155	2.65½	6	632	105	1,679	280	4.07	412	387
313	2.02	6	696	116	1,405	234	2.23	632	388
313	2.50	1	303	303	759	759	0.97	784	389
313	.51	7	1,025	146	521	74	3.27	159	390
92	.68	1	92	92	62	62	1.00	62	391
313	.54½	5	1,619	324	884	177	5.17	171	392
79	.73	2	182	91	133	67	2.30	58	393
48	.72	4	241	60	174	44	5.02	35	394
156	1.26	1	149	149	188	188	0.96	197	395
158	2.00	1	152	152	304	304	0.96	316	396
313	1.50	1	61	61	92	92	0.19	472	397
313	2.66½	1	6	6	16	16	0.02	835	398
313	2.25	1	53	53	118	118	0.17	697	399
313	(a)	4	(a)	(a)	174	44	(a)	(a)	400
313	2.28½	2	14	7	32	16	0.04	715	401
313	1.87½	1	290	290	560	560	0.93	604	402
313	2.01	5	109	22	219	44	0.35	629	403
313	1.81½	50	3,755	75	6,811	136	12.00	568	404
313	1.48½	7	1,418	203	2,103	300	4.53	464	405
91	1.08½	4	271	68	294	74	2.98	99	406
79	2.40	1	77	77	185	185	0.97	190	407
313	1.75	1	234	234	411	411	0.75	550	408
313	2.50	1	120	120	300	300	0.38	783	409

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
410		Carpenters—concluded .....	Coke .....	Continent of Europe....
411	1	do .....	Iron ore .....	United States .....
412	12	do .....	Iron ore .....	United States .....
413	41	do .....	Iron ore .....	United States .....
414	42	do .....	Iron ore .....	United States .....
415	43	do .....	Iron ore .....	United States .....
416	44	do .....	Iron ore .....	United States .....
417	45	do .....	Iron ore .....	United States .....
418	46	do .....	Iron ore .....	United States .....
419	56	do .....	Iron ore .....	United States .....
420	61	do .....	Iron ore .....	United States .....
421	69	do .....	Iron ore .....	United States .....
422	72	do .....	Iron ore .....	United States .....
423	26	Carponter and dumper .....	Bituminous coal .....	United States .....
424	41	Carponter and engineer .....	Iron ore .....	United States .....
425	41	Carpenters and laborers .....	Pig iron .....	Northern district, U. S..
426		do .....	Bituminous coal .....	United States .....
427	72	do .....	Iron ore .....	United States .....
428	9	Carpenters and millwrights .....	Muck bar iron .....	United States .....
429	9	do .....	Finished bar iron .....	United States .....
430		Carpenters and miners .....	Bituminous coal .....	United States .....
431	72	do .....	Iron ore .....	United States .....
432	109	Carpenter and rockman .....	Bituminous coal .....	United States .....
433		Carpenters' helpers .....	Mixed iron and steel .....	United States .....
434	107	do .....	Bituminous coal .....	United States .....
435		Carriers .....	Steel rails .....	Continent of Europe....
436		Cartmen .....	Mixed iron and steel .....	United States .....
437	13	do .....	Coke .....	United States .....
438	13	Cartmen and drawors .....	Coke .....	United States .....
439		Cartmen's helper .....	Mixed iron and steel .....	United States .....
440	58	Casthouse mon. ....	Pig iron .....	Northern district, U. S..
441	58	Casthouse man and cinder snapper .....	Pig iron .....	Northern district, U. S..
442		Casting carriers .....	Steel ingots .....	Continent of Europe .....
443		Casting drosser .....	Mixed iron and steel .....	Great Britain .....
444	7	Catchers .....	Muck bar iron .....	United States .....
445	9	do .....	Muck bar iron .....	United States .....
446	17	do .....	Muck bar iron .....	United States .....
447	26	do .....	Muck bar iron .....	United States .....
448	8	do .....	Finished bar iron .....	United States .....
449	9	do .....	Finished bar iron .....	United States .....
450		do .....	Steel rails .....	Continent of Enrope....
451		do .....	Steel rails .....	Continent of Europe....
452		do .....	Mixed iron and steel .....	United States .....
453		do .....	Mixed iron and steel .....	United States .....
454		do .....	Mixed iron and steel .....	United States .....
455		do .....	Mixed iron and steel .....	United States .....
456		do .....	Mixed iron and steel .....	United States .....
457		do .....	Mixed iron and steel .....	United States .....
458		do .....	Mixed iron and steel .....	United States .....
459		do .....	Mixed iron and steel .....	United States .....
460		do .....	Mixed iron and steel .....	United States .....
461		do .....	Mixed iron and steel .....	Continent of Europe....
462		do .....	Mixed iron and steel .....	Continent of Europe....
463		do .....	Mixed iron and steel .....	Continent of Europe....
464		do .....	Mixed iron and steel .....	Great Britain .....
465		Catcher and drag-out .....	Mixed iron and steel .....	United States .....
466		Catcher and drawer-back .....	Mixed iron and steel .....	United States .....
467		Catchers and hookers .....	Mixed iron and steel .....	United States .....
468		do .....	Mixed iron and steel .....	United States .....
469		Catchers and hookers-up .....	Mixed iron and steel .....	United States .....
470		do .....	Mixed iron and steel .....	United States .....
471		Catchers and laborers .....	Mixed iron and steel .....	United States .....
472		do .....	Mixed iron and steel .....	United States .....
473		do .....	Mixed iron and steel .....	United States .....
474		Catcher and puddlers' helper .....	Mixed iron and steel .....	United States .....
475		Catchers and roughers .....	Mixed iron and steel .....	United States .....
476		do .....	Mixed iron and steel .....	United States .....
477		do .....	Mixed iron and steel .....	United States .....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
365	\$0.83	2	6	3	\$5	\$3	0.02	\$304	410
313	2.02	3	196	65	396	132	0.63	632	411
313	2.18	4	500	125	1,091	273	1.60	683	412
313	2.00	1	47	47	93	93	0.15	619	413
313	1.53½	4	996	249	1,530	383	3.18	481	414
313	1.50	1	172	172	257	257	0.55	468	415
217	1.35	1	177	177	239	239	0.82	293	416
313	2.00	1	292	292	583	583	0.93	625	417
313	2.03	4	864	216	1,752	438	2.76	635	418
313	1.19½	2	289	145	345	173	0.92	374	419
155	1.25	2	144	72	182	91	0.93	196	420
313	1.25	2	178	89	222	111	0.57	390	421
313	1.99	16	1,359	85	2,705	169	4.35	623	422
313	1.57½	1	193	193	304	304	0.62	493	423
313	1.60	1	65	65	104	104	0.21	501	424
143	1.35	1	145	145	196	196	1.01	193	425
313	1.32½	1	37	37	49	49	0.12	415	426
313	1.83	1	29	29	53	53	0.09	572	427
313	1.88½	1	79	79	149	149	0.25	590	428
313	1.88½	1	79	79	149	149	0.25	590	429
313	1.74½	3	121	40	211	70	0.39	546	430
313	2.05½	1	35	35	72	72	0.11	644	431
313	2.11	1	9	9	19	19	0.03	661	432
313	1.25	1	128	128	160	160	0.41	391	433
313	1.50	1	55	55	82	82	0.18	407	434
78	.49½	18	1,190	66	589	33	15.26	39	435
313	1.35	2	387	194	525	283	1.24	425	436
313	1.36½	7	680	97	927	132	2.17	427	437
313	1.45½	2	201	101	292	140	0.64	455	438
313	1.12½	1	300	300	338	338	0.96	353	439
365	1.50	23	4,677	203	7,005	305	12.81	547	440
365	1.57½	1	336	336	529	529	0.92	575	441
78	.47½	3	166	55	79	26	2.13	37	442
53	.61	1	55	55	34	34	1.04	33	443
143	2.18½	4	267	67	583	146	1.86	312	444
286	2.54½	2	446	223	1,135	568	1.50	728	445
286	2.74½	4	595	149	1,634	409	2.08	785	446
286	2.50	2	402	201	1,005	503	1.41	715	447
299	3.84½	2	286	143	1,099	550	0.96	1,149	448
286	2.25	2	446	223	1,004	502	1.56	644	449
77	.41½	1	72	72	30	30	0.94	32	450
78	1.71	2	144	72	246	123	1.85	133	451
313	(a)	18	(a)	(a)	2,700	150	(a)	(a)	452
286	(a)	5	(a)	(a)	3,544	709	(a)	(a)	453
286	(a)	13	(a)	(a)	3,747	288	(a)	(a)	454
313	3.78½	13	1,570	121	5,942	457	5.01	1,185	455
287	4.95	2	412	206	2,039	1,020	1.43	1,420	456
168	(a)	2	(a)	(a)	905	453	(a)	(a)	457
155	1.77½	7	110	16	195	28	0.71	275	458
313	(a)	9	(a)	(a)	4,102	456	(a)	(a)	459
313	1.79½	8	1,267	158	2,273	284	4.05	562	460
313	.93½	15	3,636	242	3,309	227	11.61	293	461
92	.63½	16	1,028	64	654	41	11.18	59	462
313	.84½	12	3,310	276	2,800	233	10.58	265	463
156	1.50½	6	714	119	1,075	179	4.58	235	464
313	1.48½	1	161	161	239	239	0.51	465	465
313	1.36½	1	80	80	109	109	0.28	426	466
155	2.00	2	76	38	152	76	0.49	310	467
313	1.36½	1	206	206	281	281	0.66	427	468
286	(a)	1	(a)	(a)	164	164	(a)	(a)	469
313	1.41	1	205	205	289	289	0.65	441	470
313	1.48	2	50	25	74	37	0.16	463	471
155	1.74	4	115	29	200	50	0.75	270	472
313	1.46	2	493	202	588	294	1.29	457	473
313	(a)	1	(a)	(a)	240	240	(a)	(a)	474
313	(a)	4	(a)	(a)	470	118	(a)	(a)	475
313	3.05½	2	383	194	1,186	593	1.24	957	476
313	2.21	4	711	178	1,571	393	2.28	692	477

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
478		Catchers and shearmen.....	Mixed iron and steel..	United States.....
479		Catcher and sticker-in.....	Mixed iron and steel..	United States.....
480		Catchers and straighteners.....	Mixed iron and steel..	United States.....
481		do.....	Mixed iron and steel..	United States.....
482		Catchers' helpers.....	Steel rails.....	Continent of Europe.....
483		do.....	Mixed iron and steel..	United States.....
484		do.....	Mixed iron and steel..	United States.....
485		do.....	Mixed iron and steel..	Great Britain.....
486	40	Chargers.....	Pig iron.....	Continent of Enrope.....
487		do.....	Pig iron.....	Great Britain.....
488	29	do.....	Finished bar iron.....	United States.....
489	1	do.....	Steel ingots.....	United States.....
490		do.....	Steel ingots.....	Continent of Europe.....
491		do.....	Steel billets.....	United States.....
492		do.....	Steel blooms.....	United States.....
493		do.....	Steel rails.....	United States.....
494		do.....	Mixed iron and steel..	United States.....
495		do.....	Mixed iron and steel..	United States.....
496		do.....	Mixed iron and steel..	United States.....
497		do.....	Mixed iron and steel..	United States.....
498		do.....	Mixed iron and steel..	Continent of Europe.....
499		do.....	Mixed iron and steel..	Continent of Enrope.....
500		do.....	Mixed iron and steel..	Great Britain.....
501		do.....	Mixed iron and steel..	Great Britain.....
502	6	do.....	Coke.....	United States.....
503	13	do.....	Coke.....	United States.....
504	19	do.....	Coke.....	United States.....
505	23	do.....	Coke.....	United States.....
506	28	do.....	Coke.....	United States.....
507	29	do.....	Coke.....	United States.....
508		do.....	Coke.....	Continent of Europe.....
509		Charger and chipper.....	Steel billets.....	United States.....
510		Charger and doorman.....	Steel blooms.....	United States.....
511		Chargers and drawers.....	Steel blooms.....	United States.....
512	23	do.....	Coke.....	United States.....
513		Charger and furnace helper.....	Steel billets.....	United States.....
514		Charger and guide.....	Steel billets.....	United States.....
515		Chargers and heaters.....	Mixed iron and steel..	United States.....
516		do.....	Mixed iron and steel..	Continent of Europe.....
517		Chargers and heaters' helpers.....	Steel billets.....	United States.....
518		do.....	Mixed iron and steel..	United States.....
519		do.....	Mixed iron and steel..	Continent of Europe.....
520		Charger and hooker.....	Steel billets.....	United States.....
521		Chargers and laborers.....	Steel billets.....	United States.....
522		do.....	Mixed iron and steel..	United States.....
523		Charger and loader.....	Steel blooms.....	United States.....
524		Chargers and pilers.....	Mixed iron and steel..	United States.....
525	7	Charger and pushers' helper.....	Steel ingots.....	United States.....
526		Charger and scrap wheeler.....	Steel blooms.....	United States.....
527		Chargers and sweepers.....	Steel billets.....	United States.....
528		Chargers and tongsmen.....	Steel billets.....	United States.....
529		Charger and transmitter.....	Steel billets.....	United States.....
530	13	Charger and watchman.....	Coke.....	United States.....
531		Chargers' helpers.....	Pig iron.....	Great Britain.....
532		do.....	Steel blooms.....	United States.....
533		Checker.....	Mixed iron and steel..	Great Britain.....
534	1	Chemists.....	Steel ingots.....	United States.....
535		Chemist, assletant.....	Mixed iron and steel..	Contiuent of Enrope.....
536		Chillmen.....	Mixed iron and steel..	Great Britain.....
537		Chippers.....	Steel ingots.....	Continent of Enrope.....
538		do.....	Steel billets.....	United States.....
539		do.....	Mixed iron and steel..	Great Britain.....
540		Chippers and pilers.....	Mixed iron and steel..	Great Britain.....
541		Chipper and masons' helper.....	Steel billets.....	United States.....
542		Cinder boys.....	Mixed iron and steel..	United States.....
543		Cinder loaders.....	Mixed iron and steel..	Continent of Europe.....
544		do.....	Mixed iron and steel..	Continent of Europe.....
545	9	Cinder snappers.....	Pig iron.....	Northern district, U. S..

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
286	(a)	4	(a)	(a)	\$3,344	\$836	(a)	(a)	478
286	(a)	1	(a)	(a)	309	309	(a)	(a)	479
313	\$2.20	1	241	241	529	529	0.77	\$687	480
155	1.61	1	72	72	116	116	0.46	250	481
78	1.49	1	61	61	91	91	0.78	116	482
287	3.18½	2	412	206	1,313	657	1.43	915	483
168	(a)	2	(a)	(a)	100	50	(a)	(a)	484
156	1.11½	3	364	121	406	135	2.34	174	485
90	.71	4	350	90	256	64	3.99	64	486
135	1.26½	8	1,080	135	1,367	171	8.00	171	487
99	.69	5	540	108	375	75	5.45	69	488
313	2.46½	1	125	125	308	308	0.40	771	489
78	.68	9	519	58	352	39	6.65	53	490
202	2.19	51	1,284	25	2,811	55	6.35	442	491
230	3.77	8	1,149	144	4,334	542	5.00	868	492
77	.72½	2	123	62	89	45	1.60	56	493
313	2.25	1	89	89	207	207	0.28	728	494
287	1.72	4	1,292	323	2,223	556	4.50	494	495
155	1.25	14	150	11	188	13	0.97	194	496
313	1.45	8	648	81	939	117	2.07	454	497
92	.56	51	1,232	24	690	14	13.39	52	498
313	.45½	2	537	269	244	122	1.72	142	499
156	.92½	4	575	144	533	133	3.68	145	500
53	(a)	5	(a)	(a)	198	40	(a)	(a)	501
92	1.00	4	200	50	200	50	2.17	92	502
313	1.80½	4	667	167	1,203	301	2.14	565	503
313	1.50	1	166	166	249	249	0.53	470	504
313	1.00	12	1,510	126	1,532	128	4.82	318	505
313	1.25	2	333	167	430	215	1.06	404	506
365	1.20	4	1,226	307	1,471	368	3.36	438	507
365	.55½	6	1,601	267	885	148	4.39	202	508
202	1.78	1	13	13	23	23	0.06	357	509
230	3.60	1	10	10	36	36	0.04	828	510
132	2.75½	13	794	61	2,188	168	6.01	364	511
313	1.23½	2	191	96	236	118	0.61	387	512
202	2.50	1	2	2	5	5	0.01	505	513
202	2.00	1	4	4	8	8	0.02	404	514
313	4.52½	1	173	173	783	783	0.55	1,417	515
92	1.20	2	156	78	187	94	1.70	110	516
202	2.13½	4	364	91	778	195	1.80	432	517
155	1.26	2	66	33	83	42	0.43	195	518
92	.69	1	56	56	40	40	0.63	63	519
202	2.70½	1	126	126	341	341	0.62	547	520
202	1.56½	1	32	32	50	50	0.16	316	521
313	1.37½	4	213	53	293	73	0.68	431	522
230	2.18½	1	124	124	271	271	0.54	503	523
287	1.67	8	890	111	1,486	186	3.10	479	524
230	2.97	1	105	105	312	312	0.46	683	525
132	2.56½	1	23	23	59	59	0.17	339	526
202	1.66½	2	6	3	10	5	0.03	337	527
202	2.10½	2	47	24	99	50	0.23	425	528
202	2.11	1	120	120	253	253	0.59	426	529
313	1.68½	1	293	293	494	494	0.94	528	530
135	.54½	2	282	141	155	78	2.09	74	531
230	1.43½	3	156	52	224	75	0.68	330	532
53	.69	1	58	58	40	40	1.09	37	533
365	4.69½	4	863	216	4,052	1,013	2.37	1,714	534
92	.46½	1	92	92	43	43	1.00	43	535
53	(a)	34	(a)	(a)	1,490	44	(a)	(a)	536
78	.43½	2	94	47	41	21	1.21	34	537
202	1.94	7	345	49	669	96	1.71	392	538
53	.60½	9	418	46	253	28	7.89	32	539
48	(a)	3	(a)	(a)	111	37	(a)	(a)	540
202	1.85	1	158	158	292	292	0.78	373	541
313	.75	5	595	119	447	89	1.90	235	542
77	.58½	3	220	73	129	43	2.86	45	543
313	.19½	1	238	238	46	46	0.76	60	544
365	1.98½	2	445	223	884	442	1.22	725	545

α Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
546	58	Cinder snappers—concluded.....	Pig iron.....	Northern district, U. S..
547	7	do.....	Steel ingots.....	United States.....
548	7	Cinder snappers and cinder wheeler.....	Steel ingots.....	United States.....
549	7	Cinder snapper and craneman.....	Steel ingots.....	United States.....
550	9	Cinder snapper and helper.....	Pig iron.....	Northern district, U. S..
551	9	Cinder snappers and laborers.....	Pig iron.....	Northern district, U. S..
552	58	do.....	Pig iron.....	Northern district, U. S..
553	9	Cinder snapper and ore piler.....	Pig iron.....	Northern district, U. S..
554	7	Cinder snapper and steel pourer.....	Steel ingots.....	United States.....
555	58	Cinder snapper and woolman.....	Pig iron.....	Northern district, U. S..
556		Cinder sorters.....	Pig iron.....	Continent of Europe.....
557	32	Cinder tappers.....	Pig iron.....	Northern district, U. S..
558	84	do.....	Pig iron.....	Northern district, U. S..
559	95	do.....	Pig iron.....	Southern district, U. S..
560	101	do.....	Pig iron.....	Southern district, U. S..
561	114	do.....	Pig iron.....	Southern district, U. S..
562		do.....	Pig iron.....	Continent of Europe.....
563	36	do.....	Pig iron.....	Great Britain.....
564	2	do.....	Steel ingots.....	United States.....
565	101	Cinder tappers and coke forkers.....	Pig iron.....	Southern district, U. S..
566	32	Cinder tapper and driver.....	Pig iron.....	Northern district, U. S..
567	95	Cinder tappers and fillers.....	Pig iron.....	Southern district, U. S..
568	84	Cinder tapper and gutterman.....	Pig iron.....	Northern district, U. S..
569	32	Cinder tapper and iron handler.....	Pig iron.....	Northern district, U. S..
570	101	Cinder tapper and iron piler.....	Pig iron.....	Southern district, U. S..
571	32	Cinder tappers and laborers.....	Pig iron.....	Northern district, U. S..
572	84	do.....	Pig iron.....	Northern district, U. S..
573	95	do.....	Pig iron.....	Southern district, U. S..
574	101	do.....	Pig iron.....	Southern district, U. S..
575	7	Cinder tapper and ladle liner.....	Steel ingots.....	United States.....
576	2	Cinder tapper and manganese heater.....	Steel ingots.....	United States.....
577	32	Cinder tapper and ore breaker.....	Pig iron.....	Northern district, U. S..
578	84	Cinder tappers' helpers.....	Pig iron.....	Northern district, U. S..
579	17	Cinder wheelers.....	Muck bar iron.....	United States.....
580	26	do.....	Muck bar iron.....	United States.....
581	7	do.....	Steel ingots.....	United States.....
582		do.....	Steel blooms.....	United States.....
583		do.....	Mixed iron and steel.....	United States.....
584		do.....	Mixed iron and steel.....	United States.....
585		do.....	Mixed iron and steel.....	Continent of Europe.....
586		do.....	Mixed iron and steel.....	Great Britain.....
587		do.....	Mixed iron and steel.....	Great Britain.....
588	7	Cinder wheelor and fireman.....	Steel ingots.....	United States.....
589	10	Cinder men.....	Pig iron.....	Northern district, U. S..
590	22	do.....	Pig iron.....	Northern district, U. S..
591	42	do.....	Pig iron.....	Northern district, U. S..
592	49	do.....	Pig iron.....	Northern district, U. S..
593	55	do.....	Pig iron.....	Northern district, U. S..
594	109	do.....	Pig iron.....	Southern district, U. S..
595	7	do.....	Muck bar iron.....	United States.....
596	9	do.....	Muck bar iron.....	United States.....
597	9	do.....	Finished bar iron.....	United States.....
598	1	do.....	Steel ingots.....	United States.....
599	7	do.....	Steel ingots.....	United States.....
600		do.....	Steel ingots.....	Continent of Europe.....
601		do.....	Mixed iron and steel.....	United States.....
602		do.....	Mixed iron and steel.....	United States.....
603		do.....	Mixed iron and steel.....	United States.....
604	7	Cinder man, furnace.....	Steel ingots.....	United States.....
605	55	Cinder men and fillers.....	Pig iron.....	Northern district, U. S..
606	7	Cinder man and grinder.....	Steel ingots.....	United States.....
607	49	Cinder man and helper.....	Pig iron.....	Northern district, U. S..
608	22	Cinder men and iron handlers.....	Pig iron.....	Northern district, U. S..
609	49	do.....	Pig iron.....	Northern district, U. S..
610	10	Cinder men and laborers.....	Pig iron.....	Northern district, U. S..
611	23	do.....	Pig iron.....	Northern district, U. S..
612	42	do.....	Pig iron.....	Northern district, U. S..
613	55	do.....	Pig iron.....	Northern district, U. S..



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
365	\$1.80	9	2,173	241	\$3,849	\$428	5.95	\$647	546
230	3.36	6	922	154	3,098	516	4.00	773	547
230	1.83	1	65	65	119	119	0.28	421	548
230	2.82	1	22	22	62	62	0.10	648	549
365	2.09	1	258	258	539	539	0.71	763	550
365	1.75	4	575	144	1,005	251	1.57	638	551
365	1.64	1	137	137	225	225	0.38	599	552
365	1.93	1	133	133	257	257	0.36	705	553
230	5.40	1	20	20	108	108	0.09	1,242	554
365	1.68	1	248	248	417	417	0.68	614	555
91	.35	3	213	71	75	25	2.34	32	556
365	1.58½	4	944	236	1,495	374	2.59	578	557
122	1.20	4	419	105	501	125	3.43	146	558
334	1.32	57	2,640	46	3,482	61	7.91	441	559
184	1.37½	70	3,372	48	4,635	66	18.33	253	560
365	.96	4	712	178	685	171	1.95	351	561
91	.58½	6	448	75	263	44	4.92	53	562
91	.82	2	182	91	149	75	2.00	75	563
132	2.25	1	78	78	175	175	0.59	296	564
184	1.25	3	24	8	30	10	0.13	230	565
365	1.60	1	249	249	398	398	0.68	583	566
334	1.16½	4	79	20	92	23	0.24	389	567
122	1.28½	1	7	7	9	9	0.06	157	568
365	2.25½	1	71	71	160	160	0.19	823	569
184	1.33½	1	6	6	8	8	0.03	245	570
365	1.49½	4	562	141	840	210	1.54	546	571
122	1.13½	1	44	44	50	50	0.36	139	572
334	1.20	1	5	5	6	6	0.01	401	573
184	1.17½	5	510	102	599	120	2.77	216	574
230	3.49	1	121	121	422	422	0.53	802	575
132	2.93½	1	80	80	235	235	0.61	388	576
365	1.52½	1	143	143	218	218	0.39	556	577
122	1.10	3	216	72	238	79	1.77	134	578
286	1.25½	12	469	39	588	49	1.64	359	579
286	1.35	3	269	90	364	121	0.94	387	580
230	1.55	3	69	23	107	36	0.30	357	581
132	1.60	1	120	120	191	191	0.91	210	582
287	1.65	13	1,608	124	2,659	205	5.60	475	583
168	1.70½	6	234	37	382	64	1.33	287	584
313	.48½	7	2,095	299	1,021	146	6.69	153	585
48	.38	8	322	40	123	15	6.70	18	586
53	.73	2	112	56	82	41	2.11	39	587
230	1.66½	1	6	6	10	10	0.03	383	588
365	1.75	4	939	235	1,604	401	2.57	623	589
365	1.55	17	3,106	183	4,808	283	8.51	565	590
365	1.50	2	623	312	935	468	1.71	548	591
365	1.25	2	2,719	227	3,390	283	7.45	455	592
181	1.75	12	1,034	86	1,800	150	5.71	315	593
365	1.13½	26	3,080	118	3,493	134	8.44	414	594
155	1.58½	5	268	54	425	85	1.73	246	595
313	1.25	4	432	108	538	135	1.38	390	596
313	1.25	1	132	132	164	164	0.42	389	597
313	1.25	3	421	140	529	176	1.35	393	598
230	3.93	4	501	125	1,970	493	2.18	904	599
78	.62	20	1,004	50	624	31	12.87	48	600
286	1.80½	15	1,453	97	2,621	175	5.08	516	601
313	1.29½	15	1,780	119	2,304	154	5.68	405	602
155	1.32	2	25	13	33	17	0.16	205	603
230	1.60	1	10	10	16	16	0.04	368	604
181	1.52	2	23	12	35	18	0.13	275	605
230	2.39	1	228	228	545	545	0.99	550	606
365	1.32	1	320	320	423	423	0.88	482	607
365	1.62	1	254	254	411	411	0.70	591	608
365	1.78½	1	103	103	184	184	0.28	652	609
365	1.52	4	817	204	1,241	310	2.24	554	610
365	1.48	1	108	108	160	160	0.30	541	611
365	1.41	2	507	254	716	358	1.39	515	612
181	1.58	4	50	13	79	20	0.28	286	613

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
614		Cindermen and laborers—concluded	Mixed iron and steel	United States
615		do	Mixed iron and steel	United States
616		Cinderman and ladle cleaner	Steel ingots	Continent of Europe
617	55	Cindermen and metal carriers	Pig iron	Northern district, U. S.
618	7	Cindermen and metal wheelers	Steel ingots	United States
619	7	Cinderman and scrap loader	Steel ingots	United States
620	2	Cinderman and vesselman	Steel ingots	United States
621		Civil engineers	Bituminous coal	United States
622	36	Cleaners	Pig iron	Great Britain
623		do	Steel rails	Continent of Europe
624		do	Mixed iron and steel	United States
625		do	Mixed iron and steel	Continent of Europe
626		do	Mixed iron and steel	Continent of Europe
627	156	do	Bituminous coal	Continent of Europe
628		do	Coke	Continent of Europe
629	30	Cleaners, enginehouse	Pig iron	Great Britain
630	37	do	Pig iron	Great Britain
631	156	Cleaners, lamp	Bituminous coal	Continent of Europe
632		Cleaners, mill	Mixed iron and steel	Great Britain
633	58	Cleaners, office	Pig iron	Northern district, U. S.
634	36	do	Pig iron	Great Britain
635	37	do	Pig iron	Great Britain
636	1	do	Steel ingots	United States
637		do	Steel billets	United States
638		do	Mixed iron and steel	United States
639		do	Mixed iron and steel	Great Britain
640		Cleaners, rail bank	Mixed iron and steel	Great Britain
641		Cleaners, road	Mixed iron and steel	Great Britain
642	22	Cleaners, stack	Pig iron	Northern district, U. S.
643	6	Cleaners, track	Coke	United States
644	22	Cleaner, stack, and filler	Pig iron	Northern district, U. S.
645	22	Cleaner, stack, and keepers' helper	Pig iron	Northern district, U. S.
646	22	Cleaner, stack, and stoveman	Pig iron	Northern district, U. S.
647	1	Clerks and weighmen	Iron ore	United States
648		Clippers	Steel rails	Continent of Europe
649		do	Mixed iron and steel	Great Britain
650		Coachers	Mixed iron and steel	Great Britain
651		do	Mixed iron and steel	Great Britain
652		Coal dumper	Steel blooms	United States
653	1	Coal handlers	Steel ingots	United States
654		Coal igniter	Mixed iron and steel	Continent of Europe
655	170	Coal inspector	Bituminous coal	Great Britain
656	42	Coal screeners	Pig iron	Northern district, U. S.
657		Coal suppliers	Mixed iron and steel	Continent of Europe
658		Coal unloaders	Mixed iron and steel	United States
659	101	Coal wheelers	Pig iron	Southern district, U. S.
660	7	do	Muck bar iron	United States
661	1	do	Steel ingots	United States
662		do	Mixed iron and steel	United States
663		do	Mixed iron and steel	United States
664		do	Mixed iron and steel	Continent of Europe
665		do	Mixed iron and steel	Continent of Europe
666	101	Coal wheelers and firemen	Pig iron	Southern district, U. S.
667	1	do	Steel ingots	United States
668	1	Coal wheeler and iron handler	Steel ingots	United States
669	1	Coal wheeler and laborer	Steel ingots	United States
670	1	Coal wheeler and unloader	Steel ingots	United States
671	6	Coke bosses	Coke	United States
672		Coke carriers	Steel ingots	Continent of Europe
673	32	Coke cleaner	Pig iron	Northern district, U. S.
674	32	Coke cleaner and ore breaker	Pig iron	Northern district, U. S.
675		Coke collectors	Mixed iron and steel	Great Britain
676	101	Coke drivers	Pig iron	Southern district, U. S.
677	101	Coke drivers and laborers	Pig iron	Southern district, U. S.
678	101	Coke driver and teamster	Pig iron	Southern district, U. S.

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar. gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.19½	1	262	262	\$313	\$313	0.84	\$374	614
155	1.33½	1	3	3	4	4	0.02	207	615
78	.64	1	69	69	44	44	0.88	50	616
181	2.37½	3	338	113	803	268	1.87	430	617
230	3.44½	3	453	151	1,560	520	1.97	792	618
230	2.91	1	135	135	393	393	0.59	670	619
132	2.66	1	115	115	306	306	0.87	351	620
313	1.78	5	45	9	80	16	0.15	556	621
78	.26½	1	78	78	21	21	1.00	21	622
78	.46	2	163	82	75	38	2.09	36	623
313	1.50	1	236	236	354	354	0.75	470	624
313	.28½	4	1,172	293	335	84	3.74	89	625
92	.58	1	92	92	53	53	1.00	53	626
77	.25	2	107	54	27	14	1.39	19	627
365	.31	1	53	53	16	16	0.15	110	628
78	.26½	1	78	78	21	21	1.00	21	629
78	.24½	2	156	78	38	19	2.00	19	630
77	.34	2	153	77	52	26	1.99	26	631
48	.50	5	209	42	105	21	4.35	24	632
313	.37½	1	300	300	113	113	0.96	118	633
78	.16	1	78	78	13	13	1.00	13	634
78	.14	1	78	78	11	11	1.00	11	635
313	1.00	1	16	16	16	16	0.05	313	636
202	1.00	1	30	30	30	30	0.15	202	637
313	.57½	1	313	313	180	180	1.00	180	638
48	.36½	1	48	48	18	18	1.00	18	639
53	.50½	2	84	42	45	23	1.58	28	640
48	.46	7	243	35	112	16	5.07	22	641
365	1.40	2	183	92	261	131	0.50	521	642
92	.98	15	516	34	506	34	5.60	90	643
365	1.51	1	291	291	440	440	0.80	552	644
365	1.50	1	18	18	27	27	0.05	548	645
365	1.55	1	357	357	554	554	0.98	566	646
365	1.62	5	778	156	1,260	252	2.13	591	647
78	.50	8	526	66	263	33	6.74	39	648
156	1.02	4	496	124	507	127	3.18	159	649
48	.57	59	2,103	36	1,196	20	43.81	27	650
53	(a)	20	(a)	(a)	862	43	(a)	(a)	651
144	1.50	1	166	166	254	254	1.15	220	652
313	1.53	39	185	5	283	7	0.59	479	653
92	.72	1	39	39	28	28	0.42	60	654
91	1.25½	1	78	78	97	97	0.86	113	655
365	1.32	4	961	240	1,267	317	2.64	481	656
92	.48	4	175	44	84	21	1.90	44	657
313	(a)	(b)	(a)	(a)	2,166	(b)	(a)	(a)	658
184	1.00	5	57	11	57	11	0.31	184	659
155	1.50	5	208	42	313	63	1.34	233	660
313	1.54½	14	459	33	709	51	1.47	483	661
313	1.25	1	324	324	405	405	1.04	391	662
155	1.39½	14	789	56	1,100	79	5.08	216	663
313	.44	12	3,009	251	1,325	110	9.61	138	664
79	.53	2	156	78	83	42	1.97	42	665
184	1.27	2	155	78	197	99	0.84	234	666
313	1.43	1	7	7	10	10	0.02	447	667
313	2.00	1	3	3	6	6	0.01	626	668
313	1.50	1	40	40	60	60	0.13	470	669
313	1.56½	1	30	30	47	47	0.10	490	670
92	2.15	2	133	67	286	143	1.45	198	671
77	.62	2	119	60	74	37	1.55	48	672
365	1.50	1	37	37	54	54	0.10	533	673
365	1.48½	1	298	298	442	442	0.82	541	674
53	.44½	2	100	50	48	24	1.89	25	675
184	1.15	23	522	23	600	26	2.84	211	676
184	1.07	7	345	49	370	53	1.88	197	677
184	1.06	1	147	147	156	156	0.80	195	678

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employés not given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
679	53	Coke forkers.....	Pig iron.....	Northern district, U. S..
680	101	do.....	Pig iron.....	Southern district, U. S..
681	53	Coke forkers and laborers.....	Pig iron.....	Northern district, U. S..
682	101	do.....	Pig iron.....	Southern district, U. S..
683	58	Coke forkers and stockhouse men.....	Pig iron.....	Northern district, U. S..
684	1	Coke handlers.....	Steel ingots.....	United States.....
685		Coke screener and laborer.....	Coke.....	Continent of Europe.....
686	7	Coke stockers.....	Steel ingots.....	United States.....
687		do.....	Steel ingots.....	Continent of Europe.....
688	7	Coke stocker and vessel repairer.....	Steel ingots.....	United States.....
689	40	Coke wheelers.....	Pig iron.....	Continent of Europe.....
690	1	do.....	Steel ingots.....	United States.....
691	2	do.....	Steel ingots.....	United States.....
692	7	do.....	Steel ingots.....	United States.....
693		do.....	Mixed iron and steel.....	United States.....
694		do.....	Mixed iron and steel.....	Continent of Europe.....
695	2	Coke wheelers and laborers.....	Steel ingots.....	United States.....
696	55	Coke-dust man.....	Pig iron.....	Northern district, U. S..
697		Cold-bed hands.....	Steel rails.....	Continent of Europe.....
698	84	Conductors.....	Pig iron.....	Northern district, U. S..
699	1	do.....	Steel ingots.....	United States.....
700		do.....	Steel billets.....	United States.....
701	41	do.....	Iron ore.....	United States.....
702	42	do.....	Iron ore.....	United States.....
703	1	Conductors and engineers.....	Steel ingots.....	United States.....
704	1	Conductors and firemen.....	Steel ingots.....	United States.....
705		do.....	Steel billets.....	United States.....
706	1	Conductors and laborers.....	Steel ingots.....	United States.....
707	1	Conductor and ladleman.....	Steel ingots.....	United States.....
708	1	Conductor and mould cooler.....	Steel ingots.....	United States.....
709		Conductor and oiler.....	Steel billets.....	United States.....
710		Conductor and transmitter.....	Steel billets.....	United States.....
711		Convertermen.....	Mixed iron and steel.....	Continent of Europe.....
712		Convertermen and filler.....	Mixed iron and steel.....	Continent of Europe.....
713		Counters.....	Mixed iron and steel.....	United States.....
714		Cradlemen.....	Steel billets.....	United States.....
715		Cradlemen and tablemen.....	Steel billets.....	United States.....
716		Cradleman and transmitter.....	Steel billets.....	United States.....
717	1	Crane boys.....	Steel ingots.....	United States.....
718		do.....	Steel billets.....	United States.....
719		do.....	Steel blooms.....	United States.....
720		Crane boy and door boy.....	Steel blooms.....	United States.....
721	7	Crane shifters.....	Steel ingots.....	United States.....
722	7	Crane shifter and iron pourer.....	Steel ingots.....	United States.....
723	5	Cranemen.....	Steel ingots.....	United States.....
724	7	do.....	Steel ingots.....	United States.....
725		do.....	Steel ingots.....	Continent of Europe.....
726		do.....	Steel ingots.....	Continent of Europe.....
727		do.....	Steel billets.....	United States.....
728		do.....	Mixed iron and steel.....	United States.....
729		do.....	Mixed iron and steel.....	United States.....
730		do.....	Mixed iron and steel.....	United States.....
731		do.....	Mixed iron and steel.....	Continent of Europe.....
732		do.....	Mixed iron and steel.....	Continent of Europe.....
733		do.....	Mixed iron and steel.....	Great Britain.....
734		do.....	Mixed iron and steel.....	Great Britain.....
735		do.....	Mixed iron and steel.....	Great Britain.....
736	1	Cranemen, hydraulic.....	Steel ingots.....	United States.....
737	1	Cranemen, scrap.....	Steel ingots.....	United States.....
738	1	Cranemen and laborers.....	Steel ingots.....	United States.....
739		do.....	Mixed iron and steel.....	United States.....
740	1	Cranemen and mould coolers.....	Steel ingots.....	United States.....
741	1	Cranemen and mouldmen.....	Steel ingots.....	United States.....
742	1	Craneman and oiler.....	Steel ingots.....	United States.....
743	1	Cranemen and runners.....	Steel ingots.....	United States.....
744		Crop-end men.....	Mixed iron and steel.....	Great Britain.....
745		do.....	Mixed iron and steel.....	Great Britain.....
746		Croppers.....	Mixed iron and steel.....	United States.....
747		Croppers and laborers.....	Mixed iron and steel.....	United States.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- ginal num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
365	\$1.42	18	4,830	268	\$6,847	\$380	13.23	\$517	679
184	1.19½	96	2,599	27	3,108	32	14.12	220	680
365	1.44½	1	256	256	370	370	0.70	528	681
184	1.09½	29	493	17	541	19	2.68	202	682
365	1.46	2	545	273	795	398	1.49	532	683
313	1.79½	6	306	51	549	92	0.98	562	684
365	.52	1	346	346	180	180	0.95	190	685
230	3.10½	2	349	175	1,084	542	1.52	714	686
78	.57½	9	568	63	328	36	7.28	45	687
230	1.85	1	169	169	313	313	0.73	426	688
90	.69	6	477	80	329	55	5.30	62	689
313	1.87½	2	262	131	491	246	0.84	587	690
132	2.18	2	148	74	323	162	1.12	288	691
230	3.21½	2	370	185	1,190	595	1.61	740	692
168	1.00	1	142	142	142	142	0.85	168	693
313	.54	3	828	276	449	150	2.65	170	694
144	1.86	2	156	78	290	145	1.08	268	695
181	1.40	1	179	179	251	251	0.99	254	696
78	.56	10	561	56	313	31	7.19	44	697
122	1.25	1	94	94	117	117	0.77	152	698
313	1.60½	19	921	48	1,476	78	2.95	502	699
202	1.50	9	600	67	901	100	2.97	303	700
365	1.64½	1	326	326	535	535	0.89	599	701
313	1.91½	1	313	313	600	600	1.00	600	702
313	1.73	4	450	113	778	195	1.43	541	703
313	1.70	1	10	10	17	17	0.03	532	704
202	1.73½	1	15	15	26	26	0.07	350	705
313	1.45½	4	274	69	399	100	0.88	456	706
313	2.09½	1	128	128	268	268	0.41	655	707
313	1.66	1	124	124	206	206	0.40	520	708
202	1.39½	1	33	33	46	46	0.16	282	709
202	1.57½	1	146	146	230	230	0.72	318	710
313	.60½	9	2,126	236	1,411	157	6.79	208	711
313	.55½	1	280	280	155	155	0.89	173	712
313	1.27½	4	443	111	564	141	1.42	398	713
202	1.93½	2	128	64	248	124	0.63	391	714
202	1.68	2	202	101	339	170	1.00	339	715
202	2.00	1	118	118	236	236	0.58	404	716
313	1.12½	2	247	124	282	141	0.79	357	717
202	1.00	1	2	2	2	2	0.01	202	718
132	1.92	4	210	53	403	101	1.60	253	719
132	1.13½	1	75	75	85	85	0.57	150	720
230	2.00	2	245	123	491	246	1.07	461	721
230	2.57½	1	153	153	394	394	0.67	592	722
132	1.10	2	176	88	194	97	1.33	146	723
230	1.70	1	132	132	221	221	0.57	385	724
77	.44	1	70	70	31	31	0.91	34	725
78	.88	1	67	67	59	59	0.86	69	726
202	1.74½	3	327	109	570	190	1.62	352	727
168	1.75	1	137	137	248	248	0.82	304	728
155	.90	2	113	57	102	51	0.73	140	729
313	2.22½	3	621	207	1,381	460	1.98	696	730
92	.26	1	82	82	21	21	0.89	24	731
313	.58½	7	1,083	155	631	90	3.46	182	732
48	.46	13	98	8	45	3	2.04	22	733
156	1.24	2	336	168	417	209	2.15	194	734
53	(a)	31	(a)	(a)	868	28	(a)	(a)	735
313	2.21	14	1,007	72	2,224	159	3.22	691	736
313	1.36½	8	171	21	233	29	0.54	426	737
313	1.49½	2	69	35	103	52	0.22	467	738
313	1.50	1	68	68	108	108	0.22	497	739
313	1.50	2	150	75	225	113	0.48	470	740
313	2.05	5	446	89	914	183	1.43	641	741
313	1.49	1	65	65	97	97	0.21	467	742
313	1.76	3	421	140	742	247	1.35	552	743
48	.42	12	405	34	171	14	8.46	20	744
53	.44½	6	250	42	109	18	4.72	23	745
155	1.44	7	260	51	519	74	2.32	223	746
155	1.80½	2	195	98	352	176	1.25	280	747

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Marginal number.	Establishment number.	Occupation.	Industry.	Locality.
748		Cruciblemen.....	Steel ingots.....	Continent of Europe....
749	1	Crushers.....	Steel ingots.....	United States.....
750		Cupola fettlers and helpers.....	Mixed iron and steel..	Great Britain.....
751	7	Cupola firemen.....	Steel ingots.....	United States.....
752	7	Cupola firemen's helpers.....	Steel ingots.....	United States.....
753	2	Cupolamen.....	Steel ingots.....	United States.....
754		do.....	Mixed iron and steel..	Great Britain.....
755		Cutters.....	Steel billets.....	United States.....
756		do.....	Mixed iron and steel..	Continent of Europe....
757		do.....	Mixed iron and steel..	Continent of Europe....
758		do.....	Mixed iron and steel..	Great Britain.....
759	26	do.....	Bituminous coal.....	United States.....
760	26	Cutters and cutters' helpers.....	Bituminous coal.....	United States.....
761		Cutters and grinders.....	Mixed iron and steel..	Great Britain.....
762	26	Cutters' helpers.....	Bituminous coal.....	United States.....
763	26	Cutters' helper and driver.....	Bituminous coal.....	United States.....
764	26	Cutters' helpers and loaders.....	Bituminous coal.....	United States.....
765	29	Cutters-down.....	Finished bar iron.....	Great Britain.....
766		do.....	Mixed iron and steel..	Great Britain.....
767		Daubers.....	Coke.....	Continent of Europe....
768	148	Deputy overmen.....	Bituminous coal.....	Dominion of Canada....
769	170	do.....	Bituminous coal.....	Great Britain.....
770		Dippers.....	Mixed iron and steel..	United States.....
771		do.....	Mixed iron and steel..	Great Britain.....
772		Dipper and laborer.....	Mixed iron and steel..	United States.....
773		Dipper and weighman.....	Mixed iron and steel..	Great Britain.....
774		Doggers.....	Mixed iron and steel..	Great Britain.....
775		do.....	Mixed iron and steel..	Great Britain.....
776		Dogger and unloader.....	Mixed iron and steel..	Great Britain.....
777		Dolomite breakers.....	Mixed iron and steel..	Continent of Europe....
778		Dolomite wheelers.....	Mixed iron and steel..	Continent of Europe....
779		Doorboys.....	Steel billets.....	United States.....
780		do.....	Steel blooms.....	United States.....
781		do.....	Steel rails.....	Continent of Europe....
782		do.....	Mixed iron and steel..	United States.....
783		do.....	Mixed iron and steel..	United States.....
784		do.....	Mixed iron and steel..	Continent of Europe....
785		Door boy and laborer.....	Steel blooms.....	United States.....
786		Door boy and lay-over.....	Mixed iron and steel..	United States.....
787		Door boys and stampers.....	Mixed iron and steel..	United States.....
788		Door boy and straightener.....	Mixed iron and steel..	Continent of Europe....
789		Door boy and table boy.....	Steel billets.....	United States.....
790		Door boy and transmitter.....	Steel billets.....	United States.....
791		Doorkeeper.....	Mixed iron and steel..	Continent of Europe....
792		Doormen.....	Pig iron.....	Continent of Europe....
793		do.....	Steel ingots.....	Continent of Europe....
794		Doorman and hooker-up.....	Steel blooms.....	United States.....
795	7	Doormen and laborers.....	Steel ingots.....	United States.....
796		do.....	Steel blooms.....	United States.....
797	7	Doorman and pusher.....	Steel ingots.....	United States.....
798		Doorman and telegraphman.....	Steel blooms.....	United States.....
799	7	Doorman and tester.....	Steel ingots.....	United States.....
800	7	Doorman and vessel repairer.....	Steel ingots.....	United States.....
801		Doublers.....	Mixed iron and steel..	United States.....
802		Doubler, sheet.....	Mixed iron and steel..	United States.....
803		Doubler and laborer.....	Mixed iron and steel..	United States.....
804		Drag-backs.....	Mixed iron and steel..	United States.....
805		Drag-downs.....	Mixed iron and steel..	United States.....
806		do.....	Mixed iron and steel..	United States.....
807		Drag-down and heater.....	Mixed iron and steel..	United States.....
808		Drag-offs.....	Mixed iron and steel..	United States.....
809	7	Drag-outs.....	Mixed iron and steel..	Great Britain.....
810	9	do.....	Muck bar iron.....	United States.....
811	17	do.....	Muck bar iron.....	United States.....
812	26	do.....	Muck bar iron.....	United States.....
813		do.....	Mixed iron and steel..	United States.....
814		do.....	Mixed iron and steel..	United States.....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless  
tion, Tables I to XI. Where no establishment number is given no statement of cost of production  
these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- ginal num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
77	\$0.86½	3	203	68	\$176	\$59	2.64	\$67	748
313	1.35	3	136	45	183	61	0.43	421	749
53	(a)	(b)	(a)	(a)	138	(b)	(a)	(a)	750
230	6.44½	2	378	189	2,437	1,219	1.64	1,483	751
230	4.21½	2	399	200	1,682	841	1.73	970	752
132	3.67½	4	316	79	1,162	291	2.40	485	753
53	.73	1	52	52	38	38	0.93	39	754
202	3.12½	7	727	104	2,272	325	3.60	631	755
92	.44	5	311	62	140	28	3.38	41	756
79	.70	10	637	64	447	45	8.06	55	757
48	.46½	1	45	45	21	21	0.94	22	758
313	2.35½	13	1,212	93	2,857	220	3.83	738	759
313	2.04½	3	421	140	860	287	1.35	639	760
48	(a)	2	(a)	(a)	177	89	(a)	(a)	761
313	1.83	15	905	60	1,654	110	2.89	572	762
313	1.53	1	141	141	216	216	0.45	479	763
313	1.87½	5	309	62	580	116	0.98	588	764
99	1.25	3	292	97	365	122	2.95	124	765
156	1.40½	4	527	132	773	193	3.37	229	766
365	.29	2	675	338	189	95	1.85	102	767
313	1.45	4	1,132	283	1,642	411	3.62	454	768
91	1.44½	13	1,056	81	1,524	117	11.60	131	769
313	2.36½	6	1,789	298	4,233	706	5.72	741	770
48	.62	4	127	32	79	20	2.65	30	771
313	1.94½	1	283	283	550	550	0.90	608	772
48	.48½	1	62	62	30	30	1.29	23	773
48	.53½	5	233	47	125	25	4.85	26	774
53	.60½	11	438	40	264	24	8.26	32	775
48	.48½	1	76	76	37	37	1.68	23	776
313	.48	11	2,274	207	1,097	100	7.27	151	777
313	.34½	8	1,574	197	542	68	5.03	103	778
202	.76½	24	1,450	60	1,110	46	7.17	155	779
132	.85	7	385	55	329	47	2.92	113	780
78	.19½	10	440	44	85	9	5.64	15	781
313	.70½	5	868	174	665	133	2.77	240	782
155	.50	15	374	25	188	13	2.41	78	783
92	.17½	44	1,541	35	268	6	16.75	16	784
144	1.00	1	7	7	7	7	0.05	144	785
155	.69½	1	33	33	23	23	0.21	108	786
155	.64	2	86	43	55	28	0.55	99	787
92	.33½	1	15	15	5	5	0.16	81	788
202	.90	1	111	111	100	100	0.55	182	789
202	1.26½	1	120	120	152	152	0.59	256	790
92	.63½	1	98	98	61	61	1.07	57	791
91	.60½	4	334	84	202	51	3.67	55	792
77	.70½	4	302	76	213	53	3.92	54	793
230	2.92	1	110	110	321	321	0.48	671	794
251	2.04½	2	46	23	94	47	0.18	513	795
251	1.81½	5	176	35	319	64	0.70	455	796
230	1.95½	1	43	43	84	84	0.19	449	797
230	3.45	1	80	80	276	276	0.35	794	798
230	1.62½	1	8	8	13	13	0.03	374	799
230	2.02	1	46	46	93	93	0.20	465	800
313	1.71	18	3,211	178	5,492	305	10.25	535	801
313	.95	1	33	33	31	31	0.11	294	802
313	(a)	1	(a)	(a)	16	16	(a)	(a)	803
155	1.00	2	32	16	32	16	0.21	155	804
287	1.69½	2	239	120	405	203	0.82	486	805
168	2.36	6	298	50	703	117	1.77	396	806
168	2.61	1	59	59	154	154	0.35	439	807
48	.59	5	120	24	71	14	2.50	28	808
143	1.78½	7	352	50	628	90	2.46	255	809
286	1.88	2	446	223	838	419	1.56	537	810
286	1.83	4	595	149	1,089	272	2.08	523	811
286	1.75	4	606	152	1,061	265	2.12	501	812
286	(a)	10	(a)	(a)	1,852	185	(a)	(a)	813
287	2.00	6	1,392	232	2,784	464	4.85	574	814

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employes not given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
815		Drag-outs—concluded .....	Mixed iron and steel..	United States .....
816		..do .....	Mixed iron and steel..	Continent of Europe...
817		..do .....	Mixed iron and steel..	Continent of Europe...
818		..do .....	Mixed iron and steel..	Great Britain .....
819		Drag-out and hot-bank man .....	Mixed iron and steel..	Great Britain .....
820		Drag-out and laboror .....	Mixed iron and steel..	Great Britain .....
821		Drag-outs and lay-overs .....	Mixed iron and steel..	United States .....
822		Drawers .....	Steel blooms .....	United States .....
823		..do .....	Mixed iron and steel..	United States .....
824	6	..do .....	Coke .....	United States .....
825	13	..do .....	Coke .....	United States .....
826	19	..do .....	Coke .....	United States .....
827	23	..do .....	Coke .....	United States .....
828	28	..do .....	Coke .....	United States .....
829	29	..do .....	Coke .....	United States .....
830	28	Drawer and elevator tender .....	Coke .....	United States .....
831	19	Drawers and forkers .....	Coke .....	United States .....
832	23	..do .....	Coke .....	United States .....
833		Drawer and heaters' helper .....	Steel blooms .....	United States .....
834	13	Drawers and laborers .....	Coke .....	United States .....
835	19	..do .....	Coke .....	United States .....
836	22	..do .....	Coke .....	United States .....
837	13	Drawer and masons' helper .....	Coke .....	United States .....
838		Drawer and puddlers' helper .....	Mixed iron and steel..	United States .....
839		Drawer-back .....	Mixed iron and steel..	United States .....
840		Drawer-back and scraper .....	Mixed iron and steel..	United States .....
841		Dressers .....	Steel rails .....	Continent of Europe...
842		Dressers' helpers .....	Steel rails .....	Continent of Europe...
843	1	Driers .....	Steel ingots .....	United States .....
844	72	Drift cutters and miners .....	Iron ore .....	United States .....
845	43	Drill boys .....	Iron ore .....	United States .....
846	72	..do .....	Iron ore .....	United States .....
847		Drill carrier .....	Mixed iron and steel..	Great Britain .....
848		Drill filers .....	Mixed iron and steel..	Great Britain .....
849		Drill grinder .....	Mixed iron and steel..	United States .....
850		Drill grinders' helper .....	Mixed iron and steel..	United States .....
851	72	Drill runner .....	Iron ore .....	United States .....
852	46	Drill sharpeners .....	Iron ore .....	United States .....
853		Drillers .....	Steel rails .....	Continent of Europe...
854		..do .....	Mixed iron and steel..	Great Britain .....
855		..do .....	Mixed iron and steel..	Great Britain .....
856	26	..do .....	Bituminous coal .....	United States .....
857		..do .....	Bituminous coal .....	United States .....
858	12	..do .....	Iron ore .....	United States .....
859	42	..do .....	Iron ore .....	United States .....
860	46	..do .....	Iron ore .....	United States .....
861	72	..do .....	Iron ore .....	United States .....
862	42	Drillers and miners .....	Iron ore .....	United States .....
863		Driller and trapper .....	Bituminous coal .....	United States .....
864		Drillers' helpers .....	Mixed iron and steel..	Great Britain .....
865	42	..do .....	Iron ore .....	United States .....
866	46	..do .....	Iron ore .....	United States .....
867		Drillsmith .....	Steel rails .....	Continent of Europe...
868	58	Drivers .....	Pig iron .....	Northern district, U. S.
869	83	..do .....	Pig iron .....	Northern district, U. S.
870	103	..do .....	Pig iron .....	Southern district, U. S.
871	109	..do .....	Pig iron .....	Southern district, U. S.
872		..do .....	Mixed iron and steel..	United States .....
873		..do .....	Mixed iron and steel..	Continent of Europe...
874	18	..do .....	Bituminous coal .....	United States .....
875	26	..do .....	Bituminous coal .....	United States .....
876	96	..do .....	Bituminous coal .....	United States .....
877	107	..do .....	Bituminous coal .....	United States .....
878	109	..do .....	Bituminous coal .....	United States .....
879		..do .....	Bituminous coal .....	United States .....
880		..do .....	Bituminous coal .....	United States .....
881		..do .....	Bituminous coal .....	United States .....
882	148	..do .....	Bituminous coal .....	Dominion of Canada...



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consoquent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
168	\$1.82½	12	904	75	\$1,650	\$138	5.38	\$307	815
313	.60	35	8,219	235	4,924	141	26.26	183	816
313	.58	24	5,283	220	3,057	127	16.88	181	817
48	.60½	6	220	37	133	22	4.58	29	818
48	.57½	1	47	47	27	27	0.98	28	819
48	.54½	1	46	46	25	25	0.96	26	820
155	1.19	2	121	61	144	72	0.78	184	821
230	3.78½	7	1,269	181	4,804	686	5.51	871	822
313	1.63½	13	1,817	140	2,968	228	5.81	511	823
92	1.70	104	2,419	23	4,110	40	26.29	156	824
313	1.83	210	16,771	80	30,718	146	53.59	573	825
313	1.64	107	13,129	123	21,533	201	41.95	513	826
313	1.48½	49	4,524	92	6,717	137	14.46	465	827
313	1.26½	59	2,939	50	3,712	63	9.39	395	828
365	1.20	18	4,752	264	5,702	317	13.02	438	829
313	1.12	1	110	110	123	123	0.35	350	830
313	1.47	4	388	97	571	143	1.24	461	831
313	1.19½	4	623	156	743	186	1.99	373	832
132	3.00	1	93	93	279	279	0.70	396	833
313	1.49	2	63	32	94	47	0.20	467	834
313	1.93	1	14	14	27	27	0.04	604	835
313	1.20	18	1,157	64	1,391	77	3.69	376	836
313	1.52½	1	209	209	319	319	0.67	478	837
286	(a)	1	(a)	(a)	442	442	(a)	(a)	838
313	1.36½	1	253	253	345	345	0.81	427	839
313	1.16	1	237	237	275	275	0.76	363	840
78	.67½	8	590	74	399	50	7.56	53	841
78	.34½	9	578	64	198	22	7.41	27	842
313	1.30½	3	343	114	447	149	1.09	408	843
313	2.24½	3	462	154	1,037	346	1.47	703	844
313	.63	7	421	60	266	38	1.35	198	845
313	1.25	2	261	131	326	163	0.83	391	846
48	.32½	1	40	40	13	13	0.83	16	847
53	.59	3	160	53	94	31	3.02	31	848
313	1.83½	1	12	12	22	22	0.04	574	849
313	1.18	1	11	11	13	13	0.04	370	850
313	2.25	1	7	7	16	16	0.02	715	851
313	1.68	4	858	215	1,441	360	2.74	526	852
78	.57	2	133	67	76	38	1.71	45	853
48	(a)	13	(a)	(a)	228	18	(a)	(a)	854
53	(a)	14	(a)	(a)	462	33	(a)	(a)	855
313	2.00	1	6	6	12	12	0.02	626	856
313	1.25	8	297	37	371	46	0.95	391	857
313	1.84	3	88	29	162	54	0.28	576	858
313	1.75	1	18	18	31	31	0.06	539	859
313	1.65½	18	2,253	125	3,734	207	7.20	519	860
313	3.50	1	84	84	292	292	0.27	1,088	861
313	1.55½	22	5,042	229	7,844	357	16.11	487	862
313	1.14	1	29	29	33	33	0.09	356	863
53	(a)	17	(a)	(a)	441	26	(a)	(a)	864
313	1.00	2	331	166	331	166	1.06	313	865
313	1.40	14	2,274	162	3,183	227	7.27	438	866
78	.54½	1	46	46	25	25	0.59	42	867
313	1.50	2	496	248	734	367	1.58	483	868
92	.60	1	92	92	55	55	1.00	55	869
365	1.15	2	362	181	410	205	0.99	413	870
365	1.05	4	700	175	736	184	1.92	384	871
313	1.62	2	747	374	1,210	605	2.39	507	872
313	.54	1	139	139	75	75	0.44	169	873
158	1.46½	8	851	106	1,247	156	5.39	232	874
313	1.89½	4	168	42	318	80	0.54	592	875
313	(a)	18	(a)	(a)	2,569	143	(a)	(a)	876
313	1.98½	9	857	95	1,793	189	2.75	622	877
313	1.91½	29	3,672	127	7,030	242	11.73	599	878
313	1.85	8	1,340	168	2,484	311	4.28	580	879
313	1.93½	39	2,626	67	5,087	130	8.39	606	880
313	1.95½	26	2,391	92	4,675	180	7.61	612	881
313	.65	5	761	152	482	96	2.43	103	882

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Marginal number.	Establishment number.	Occupation.	Industry.	Locality.
883	156	Drivers—concluded.....	Bituminous coal.....	Continent of Europe....
884	170	do.....	Bituminous coal.....	Great Britain.....
885	6	do.....	Coke.....	United States.....
886	1	do.....	Iron ore.....	United States.....
887	42	do.....	Iron ore.....	United States.....
888	44	do.....	Iron ore.....	United States.....
889	45	do.....	Iron ore.....	United States.....
890	48	do.....	Iron ore.....	United States.....
891	51	do.....	Iron ore.....	United States.....
892	56	do.....	Iron ore.....	United States.....
893	61	do.....	Iron ore.....	United States.....
894		Driver, boss.....	Bituminous coal.....	United States.....
895	109	Driver and flagman.....	Bituminous coal.....	United States.....
896	96	Driver and hooker-on.....	Bituminous coal.....	United States.....
897	148	Drivers and laborers.....	Bituminous coal.....	Dominion of Canada.....
898	1	do.....	Iron ore.....	United States.....
899	26	Drivers and loaders.....	Bituminous coal.....	United States.....
900	109	Drivers and miners.....	Bituminous coal.....	United States.....
901		do.....	Bituminous coal.....	United States.....
902		do.....	Bituminous coal.....	United States.....
903		do.....	Bituminous coal.....	United States.....
904	42	do.....	Iron ore.....	United States.....
905	45	do.....	Iron ore.....	United States.....
906	148	Driver and miners' helper.....	Bituminous coal.....	Dominion of Canada.....
907		Driver and slag hauler.....	Bituminous coal.....	United States.....
908	109	Driver and trapper.....	Bituminous coal.....	United States.....
909	1	Dropmen.....	Steel ingots.....	United States.....
910		do.....	Steel billets.....	United States.....
911	12	Dry boys.....	Iron ore.....	United States.....
912	72	Drymen.....	Iron ore.....	United States.....
913	22	Dumpers.....	Pig iron.....	Northern district, U. S.....
914	58	do.....	Pig iron.....	Northern district, U. S.....
915	109	do.....	Pig iron.....	Southern district, U. S.....
916	1	do.....	Steel ingots.....	United States.....
917		do.....	Mixed iron and steel.....	United States.....
918		do.....	Mixed iron and steel.....	Continent of Europe.....
919		do.....	Mixed iron and steel.....	Continent of Europe.....
920	18	do.....	Bituminous coal.....	United States.....
921	55	do.....	Bituminous coal.....	United States.....
922	109	do.....	Bituminous coal.....	United States.....
923		do.....	Bituminous coal.....	United States.....
924		do.....	Bituminous coal.....	United States.....
925		do.....	Bituminous coal.....	United States.....
926	156	do.....	Bituminous coal.....	Continent of Europe.....
927	6	do.....	Coke.....	United States.....
928	45	do.....	Iron ore.....	United States.....
929	51	do.....	Iron ore.....	United States.....
930	72	do.....	Iron ore.....	United States.....
931		Dumper, boss.....	Bituminous coal.....	United States.....
932		Dumper and heaters' helper.....	Mixed iron and steel.....	United States.....
933	1	Dumpers and iron handlers.....	Steel ingots.....	United States.....
934	58	Dumpers and laborers.....	Pig iron.....	Northern district, U. S.....
935	1	do.....	Steel ingots.....	United States.....
936	26	Dumper and loader.....	Bituminous coal.....	United States.....
937		Dumpers and miners.....	Bituminous coal.....	United States.....
938	45	do.....	Iron ore.....	United States.....
939		Dumper and oiler.....	Bituminous coal.....	United States.....
940	72	Dumper and runner's helper.....	Iron ore.....	United States.....
941		Dumper and trimmer.....	Bituminous coal.....	United States.....
942	72	Dumping clerks.....	Iron ore.....	United States.....
943		Elevator tenders.....	Steel ingots.....	Continent of Europe.....
944		do.....	Steel ingots.....	Continent of Europe.....
945		do.....	Steel rails.....	Continent of Europe.....
946		do.....	Mixed iron and steel.....	Continent of Europe.....
947	170	do.....	Bituminous coal.....	Great Britain.....
948	28	do.....	Coke.....	United States.....
949		Engine drivers.....	Mixed iron and steel.....	Great Britain.....
950	36	Engine tenders, blast.....	Pig iron.....	Great Britain.....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
77	\$0.53½	9	476	53	\$254	\$28	6.18	\$11	883
91	.86	2	85	43	73	37	0.93	78	884
92	1.00	8	287	36	287	36	3.12	92	885
313	1.03½	30	2,576	86	2,664	89	8.24	324	886
313	.92	41	7,435	181	6,857	167	23.75	289	887
217	1.25	4	513	128	641	160	2.36	271	888
313	1.33½	21	2,195	105	2,935	140	7.01	419	889
313	1.35	3	578	193	780	260	1.85	422	890
313	1.15	1	309	309	355	355	0.99	360	891
313	.50	1	15	15	8	8	0.05	167	892
155	.50	4	83	21	41	10	0.54	77	893
313	2.30	1	289	289	663	663	0.92	718	894
313	1.03½	1	146	146	151	151	0.47	324	895
313	1.26½	1	171	171	216	216	0.55	395	896
313	.69½	2	469	235	326	163	1.50	218	897
313	1.12½	1	8	8	9	9	0.03	352	898
313	1.51½	2	176	88	267	134	0.56	475	899
313	(a)	2	(a)	(a)	852	426	(a)	(a)	900
313	(a)	2	(a)	(a)	99	50	(a)	(a)	901
313	2.02	1	92	92	186	186	0.29	633	902
313	(a)	7	(a)	(a)	2,093	299	(a)	(a)	903
313	1.17	2	418	209	490	245	1.34	367	904
313	1.56½	2	177	89	277	139	0.57	490	905
313	1.02½	1	237	237	243	243	0.76	321	906
313	1.43	1	79	79	113	113	0.25	448	907
313	.63½	1	142	142	90	90	0.45	198	908
313	1.51	2	188	94	284	142	0.63	473	909
202	1.52½	2	21	11	32	16	0.10	308	910
313	1.00	2	307	154	307	154	0.98	313	911
313	1.45½	3	768	256	1,117	372	2.45	455	912
365	1.40	5	907	181	1,271	254	2.48	511	913
365	1.50	1	363	363	550	550	0.99	553	914
365	1.08	3	647	216	688	229	1.77	388	915
313	1.31	10	1,403	140	1,835	184	4.48	409	916
155	1.25	1	42	42	52	52	0.27	192	917
77	.62½	2	147	74	92	46	1.91	48	918
92	.23½	1	92	92	21	21	1.00	21	919
158	1.50	2	291	146	437	219	1.84	237	920
313	1.50	1	50	50	75	75	0.16	470	921
313	1.41½	8	822	103	1,164	146	2.63	443	922
313	1.61	2	301	151	485	243	0.96	504	923
313	1.54	3	290	97	446	149	0.93	481	924
313	1.49½	9	764	85	1,142	127	2.44	468	925
77	.42½	3	153	51	65	22	1.98	33	926
92	1.28½	3	203	68	261	87	2.20	118	927
313	1.50	10	1,092	109	1,639	164	3.49	470	928
313	1.25	1	185	185	224	224	0.59	379	929
313	1.87½	14	1,501	107	2,811	201	4.81	586	930
313	2.25	1	208	208	459	459	0.66	691	931
155	1.48	1	52	52	77	77	0.34	230	932
313	1.50½	3	79	26	119	40	0.25	471	933
365	1.50½	1	194	194	292	292	0.53	549	934
313	1.30	1	10	10	13	13	0.03	407	935
313	1.43½	1	83	83	119	119	0.27	419	936
313	(a)	1	(a)	(a)	369	369	(a)	(a)	937
313	1.55	3	349	116	541	180	1.12	485	938
313	1.29	1	134	134	173	173	0.43	404	939
313	1.91	1	88	88	168	168	0.28	598	940
313	1.75½	1	82	82	144	144	0.26	550	941
313	2.16	2	285	143	618	309	0.91	676	942
77	.32	2	138	69	44	22	1.79	25	943
78	.40	4	213	53	85	21	2.73	31	944
78	.69	4	275	69	190	48	3.53	51	945
92	.28	10	597	60	167	17	6.50	26	946
91	.61½	6	451	75	277	46	4.96	56	947
313	1.35½	3	14	6	19	6	0.05	425	948
156	1.09½	3	543	181	593	198	3.48	170	949
91	.75	2	182	91	137	69	2.00	69	950

¢ Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
951	36	Engine tender, electric.....	Pig iron.....	Great Britain.....
952	36	Engine tenders, lift.....	Pig iron.....	Great Britain.....
953	10	Engine wipers.....	Pig iron.....	Northern district, U.S..
954	101	do.....	Pig iron.....	Southern district, U.S..
955	9	Engineers.....	Pig iron.....	Northern district, U.S..
956	10	do.....	Pig iron.....	Northern district, U.S..
957	22	do.....	Pig iron.....	Northern district, U.S..
958	32	do.....	Pig iron.....	Northern district, U.S..
959	41	do.....	Pig iron.....	Northern district, U.S..
960	49	do.....	Pig iron.....	Northern district, U.S..
961	55	do.....	Pig iron.....	Northern district, U.S..
962	58	do.....	Pig iron.....	Northern district, U.S..
963	83	do.....	Pig iron.....	Northern district, U.S..
964	84	do.....	Pig iron.....	Northern district, U.S..
965	95	do.....	Pig iron.....	Southern district, U.S..
966	101	do.....	Pig iron.....	Southern district, U.S..
967	103	do.....	Pig iron.....	Southern district, U.S..
968	109	do.....	Pig iron.....	Southern district, U.S..
969	114	do.....	Pig iron.....	Southern district, U.S..
970	40	do.....	Pig iron.....	Continent of Europe...
971	do	do.....	Pig iron.....	Continent of Europe...
972	37	do.....	Pig iron.....	Great Britain.....
973	7	do.....	Muck bar iron.....	United States.....
974	9	do.....	Muck bar iron.....	United States.....
975	17	do.....	Muck bar iron.....	United States.....
976	26	do.....	Muck bar iron.....	United States.....
977	8	do.....	Finished bar iron.....	United States.....
978	9	do.....	Finished bar iron.....	United States.....
979	1	do.....	Steel ingots.....	United States.....
980	2	do.....	Steel ingots.....	United States.....
981	do	do.....	Steel billets.....	United States.....
982	do	do.....	Steel blooms.....	United States.....
983	do	do.....	Steel blooms.....	United States.....
984	do	do.....	Mixed iron and steel..	United States.....
985	do	do.....	Mixed iron and steel..	United States.....
986	do	do.....	Mixed iron and steel..	United States.....
987	do	do.....	Mixed iron and steel..	United States.....
988	do	do.....	Mixed iron and steel..	United States.....
989	do	do.....	Mixed iron and steel..	United States.....
990	do	do.....	Mixed iron and steel..	United States.....
991	do	do.....	Mixed iron and steel..	United States.....
992	do	do.....	Mixed iron and steel..	Continent of Europe...
993	do	do.....	Mixed iron and steel..	Continent of Europe...
994	do	do.....	Mixed iron and steel..	Continent of Europe...
995	do	do.....	Mixed iron and steel..	Continent of Europe...
996	do	do.....	Mixed iron and steel..	Great Britain.....
997	96	do.....	Bituminous coal.....	United States.....
998	107	do.....	Bituminous coal.....	United States.....
999	109	do.....	Bituminous coal.....	United States.....
1000	do	do.....	Bituminous coal.....	United States.....
1001	do	do.....	Bituminous coal.....	United States.....
1002	do	do.....	Bituminous coal.....	United States.....
1003	156	do.....	Bituminous coal.....	Continent of Europe...
1004	do	do.....	Bituminous coal.....	Continent of Europe...
1005	19	do.....	Coke.....	United States.....
1006	do	do.....	Coke.....	Continent of Europe...
1007	1	do.....	Iron ore.....	United States.....
1008	12	do.....	Iron ore.....	United States.....
1009	41	do.....	Iron ore.....	United States.....
1010	42	do.....	Iron ore.....	United States.....
1011	43	do.....	Iron ore.....	United States.....
1012	45	do.....	Iron ore.....	United States.....
1013	56	do.....	Iron ore.....	United States.....
1014	59	do.....	Iron ore.....	United States.....
1015	61	do.....	Iron ore.....	United States.....
1016	64	do.....	Iron ore.....	United States.....
1017	69	do.....	Iron ore.....	United States.....
1018	72	do.....	Iron ore.....	United States.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
91	\$0.69	1	124	124	\$85	\$85	1.36	\$62	951
91	.91½	2	182	91	166	83	2.00	83	952
365	1.50	2	656	328	976	488	1.60	543	953
184	1.15	4	209	52	247	62	1.14	217	954
365	3.00	1	17	17	51	51	0.05	1,095	955
365	2.25	2	613	307	1,379	690	1.68	821	956
365	1.99½	9	784	87	1,565	174	2.14	729	957
365	2.40	2	729	365	1,724	862	2.00	863	958
167	2.00	2	334	167	668	334	2.00	334	959
365	1.78½	2	731	366	1,305	653	2.00	652	960
181	2.60½	3	514	171	1,338	446	2.84	471	961
365	2.54½	10	2,943	294	7,495	750	8.07	930	962
92	1.66	2	172	86	286	143	1.87	153	963
122	1.54½	3	244	81	377	126	2.00	189	964
334	2.02½	9	841	93	1,701	189	2.51	676	965
184	2.25	2	297	149	668	334	1.61	414	966
365	1.76½	6	563	94	995	166	1.54	645	967
365	1.85	2	714	357	1,321	661	1.96	675	968
365	1.75	6	716	119	1,253	209	1.96	639	969
90	.74	2	181	91	134	67	2.01	67	970
91	.60½	9	746	83	451	50	8.20	55	971
91	.75	4	382	96	285	71	4.20	68	972
155	2.00	3	205	68	410	137	1.32	310	973
313	1.65	2	635	318	1,047	524	2.03	516	974
286	4.12½	1	187	187	770	770	0.65	1,178	975
313	2.25	2	401	201	910	455	1.28	710	976
299	2.52	4	832	208	2,098	525	2.79	754	977
313	1.35	2	440	220	594	297	1.41	423	978
313	1.84½	12	1,417	118	2,611	218	4.52	577	979
137	2.25	3	421	140	948	316	3.08	308	980
202	1.85½	8	289	36	536	67	1.43	375	981
132	3.20	1	128	128	410	410	0.97	423	982
230	2.93½	7	915	131	2,686	384	3.98	675	983
313	2.49½	2	708	354	1,767	884	2.27	781	984
313	2.50	6	1,044	174	2,610	435	3.33	783	985
313	1.70½	2	638	319	1,089	545	2.04	534	986
313	2.10½	12	2,582	215	5,430	453	8.26	658	987
313	2.59½	5	1,668	334	4,327	865	5.34	812	988
168	1.75	1	87	87	153	153	0.52	295	989
155	1.78½	9	631	70	1,125	125	4.07	276	990
313	2.16	10	2,788	279	6,023	602	8.91	676	991
313	.83	9	2,739	304	2,275	253	8.75	260	992
92	.51	23	1,660	72	845	37	18.06	47	993
313	.63½	6	1,996	333	1,272	212	6.38	199	994
79	.60½	3	281	94	187	62	3.56	53	995
48	.63½	9	535	59	339	38	11.14	30	996
313	2.00	1	283	283	565	565	0.90	625	997
313	2.11	2	313	157	660	330	1.00	660	998
313	2.00	2	173	87	351	176	0.55	635	999
313	2.10	3	303	101	637	212	0.97	658	1000
313	1.50	1	187	187	280	280	0.60	469	1001
313	1.93½	3	873	291	1,690	563	2.79	606	1002
77	.80½	4	261	65	210	53	3.39	62	1003
52	.73	1	59	59	43	43	1.13	38	1004
313	2.14	2	419	210	897	449	1.94	670	1005
365	.34½	1	317	317	108	108	0.87	124	1006
313	2.00	2	286	143	572	286	0.91	626	1007
313	2.00	2	612	306	1,195	598	1.96	611	1008
380	1.42	4	1,048	262	1,487	372	3.18	468	1009
313	1.58	7	1,957	280	3,090	441	6.25	494	1010
313	1.52	3	255	85	388	129	0.81	476	1011
313	2.25	1	360	360	810	810	1.15	704	1012
365	1.12½	2	730	365	821	411	2.00	411	1013
313	1.00½	4	765	191	769	192	2.45	315	1014
155	1.25	2	270	135	334	167	1.74	192	1015
155	1.15	2	304	152	353	177	1.96	180	1016
313	2.30	1	313	313	720	720	1.00	720	1017
313	2.01	7	1,365	195	2,747	392	4.37	630	1018

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presents for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1019	42	Engineer, air compressor .....	Iron ore .....	United States .....
1020		Engineers, axle hammer .....	Mixed iron and steel..	United States .....
1021		Engineers, blast .....	Mixed iron and steel..	Great Britain .....
1022		Engineers, bloom .....	Mixed iron and steel..	Great Britain .....
1023		do .....	Mixed iron and steel..	Great Britain .....
1024		Engineers, blowing .....	Steel ingots .....	Continent of Europe .....
1025		do .....	Mixed iron and steel..	Continent of Europe .....
1026	10	Engineers, chief .....	Pig iron .....	Northern district, U. S. ..
1027		do .....	Mixed iron and steel..	United States .....
1028		do .....	Mixed iron and steel..	United States .....
1029	6	Engineers, coal crusher .....	Coke .....	United States .....
1030		Engineers, condensing .....	Mixed iron and steel..	Great Britain .....
1031		Engineers, crane .....	Mixed iron and steel..	Continent of Europe .....
1032		do .....	Mixed iron and steel..	Great Britain .....
1033		Engineers, crop-end .....	Mixed iron and steel..	Great Britain .....
1034	103	Engineers, dinky .....	Pig iron .....	Southern district, U. S. ..
1035		Engineers, drill .....	Mixed iron and steel..	Great Britain .....
1036		do .....	Mixed iron and steel..	Great Britain .....
1037		Engineer, drop .....	Steel bloom .....	United States .....
1038	2	Engineers, fan .....	Steel ingots .....	United States .....
1039		do .....	Mixed iron and steel..	Great Britain .....
1040		Engineers, fish plate .....	Mixed iron and steel..	Great Britain .....
1041		Engineer, foundry .....	Mixed iron and steel..	Great Britain .....
1042	42	Engineers, furnace .....	Pig iron .....	Northern district, U. S. ..
1043	67	do .....	Pig iron .....	Northern district, U. S. ..
1044	7	Engineers, grinding .....	Steel ingots .....	United States .....
1045		Engineers, hammer .....	Steel rails .....	Continent of Europe .....
1046	67	Engineers, hoisting .....	Pig iron .....	Northern district, U. S. ..
1047		do .....	Pig iron .....	Great Britain .....
1048	18	do .....	Bituminous coal .....	United States .....
1049	26	do .....	Bituminous coal .....	United States .....
1050		do .....	Bituminous coal .....	United States .....
1051		Engineers, hydraulic .....	Mixed iron and steel..	Great Britain .....
1052		do .....	Mixed iron and steel..	Great Britain .....
1053		Engineers, lathe .....	Mixed iron and steel..	Great Britain .....
1054		do .....	Mixed iron and steel..	Great Britain .....
1055	32	Engineers, locomotive .....	Pig iron .....	Northern district, U. S. ..
1056	42	do .....	Pig iron .....	Northern district, U. S. ..
1057	67	do .....	Pig iron .....	Northern district, U. S. ..
1058	101	do .....	Pig iron .....	Southern district, U. S. ..
1059	103	do .....	Pig iron .....	Southern district, U. S. ..
1060	8	do .....	Finished bar iron .....	United States .....
1061	1	do .....	Steel ingots .....	United States .....
1062	7	do .....	Steel ingots .....	United States .....
1063		do .....	Steel billets .....	United States .....
1064		do .....	Steel blooms .....	United States .....
1065		do .....	Steel blooms .....	United States .....
1066		do .....	Mixed iron and steel..	United States .....
1067		do .....	Mixed iron and steel..	United States .....
1068		do .....	Mixed iron and steel..	Continent of Europe .....
1069	42	do .....	Iron ore .....	United States .....
1070		Engineers, machine shop .....	Mixed iron and steel..	United States .....
1071		Engineer, mechanical .....	Mixed iron and steel..	Continent of Europe .....
1072		Engineer, mechanical, assistant .....	Mixed iron and steel..	Continent of Europe .....
1073		Engineers, press .....	Mixed iron and steel..	Great Britain .....
1074		do .....	Mixed iron and steel..	Great Britain .....
1075		Engineers, puddling .....	Mixed iron and steel..	Great Britain .....
1076		Engineers, pump .....	Mixed iron and steel..	Continent of Europe .....
1077		do .....	Mixed iron and steel..	Great Britain .....
1078		Engineers, rail mill .....	Mixed iron and steel..	Great Britain .....
1079		Engineers, rolls .....	Mixed iron and steel..	United States .....
1080		do .....	Mixed iron and steel..	Great Britain .....
1081		Engineers, saw .....	Mixed iron and steel..	Great Britain .....
1082		do .....	Mixed iron and steel..	Great Britain .....
1083		Engineer, shape hammer .....	Mixed iron and steel..	United States .....
1084		Engineer, shear .....	Mixed iron and steel..	Great Britain .....
1085		Engineer, shop .....	Mixed iron and steel..	Great Britain .....
1086		Engineer, stamping .....	Mixed iron and steel..	Continent of Europe .....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		Marginal number.	
		Different employes.	Days of work done.		Earnings.		Necessary employes.		Consequent average earnings per employé.
			Total.	Average.	Total.	Average.			
365	\$1.65	1	383	383	\$632	\$632	1.05	\$602	1019
168	(a)	6	(a)	(a)	404	67	(a)	(a)	1020
53	.70	4	225	56	157	39	4.24	37	1021
48	.66	4	210	53	139	35	4.38	32	1022
53	.81	2	119	60	95	48	2.25	42	1023
78	.95½	3	276	92	264	88	3.53	74	1024
313	.69½	1	361	361	250	250	1.15	217	1025
365	2.79½	1	379	379	1,050	1,050	1.04	1,011	1026
168	4.00	1	166	166	649	649	0.99	657	1027
313	4.25	1	318	318	1,337	1,337	1.02	1,316	1028
92	1.67½	2	92	46	154	77	1.00	154	1029
53	.61	2	107	54	65	33	2.02	32	1030
313	.54½	1	118	118	64	64	0.38	170	1031
53	.39	3	115	38	45	15	2.17	21	1032
53	.24½	2	108	54	27	14	2.04	13	1033
365	1.61½	4	1,038	260	1,678	420	2.84	590	1034
48	.49	2	106	53	52	26	2.21	24	1035
53	.52½	4	133	33	70	18	2.52	28	1036
230	1.60	1	186	186	297	297	0.81	367	1037
132	1.79½	3	347	116	622	207	2.63	237	1038
53	.57	2	127	64	72	36	2.40	30	1039
48	.38½	2	119	60	42	21	2.48	17	1040
53	.30½	1	43	43	13	13	0.81	16	1041
365	1.85	2	714	357	1,321	661	1.96	675	1042
365	2.6¾	2	685	343	1,839	920	1.88	980	1043
230	1.85	2	468	234	866	433	2.03	426	1044
77	1.85½	3	196	65	364	121	2.55	143	1045
365	2.00	1	340	340	671	671	0.93	720	1046
135	1.01½	1	176	176	178	178	1.30	137	1047
184	2.16	2	368	184	795	398	2.00	398	1048
313	1.72½	1	167	167	288	288	0.53	540	1049
313	2.25	1	253	253	554	554	0.81	685	1050
48	.63	2	114	57	72	36	2.38	30	1051
53	.61	3	123	41	77	26	2.32	33	1052
48	.57	1	31	31	18	18	0.65	28	1053
53	.63	1	69	69	44	44	1.30	34	1054
313	1.82	3	518	173	944	315	1.65	570	1055
365	1.85	2	718	359	1,320	665	1.97	676	1056
365	3.00	1	28	28	85	85	0.08	1,108	1057
184	3.13	3	367	122	1,149	383	1.99	576	1058
365	2.14½	2	368	184	790	395	1.01	784	1059
290	3.00	1	299	299	897	897	1.00	897	1060
313	2.15	7	249	36	535	76	0.80	673	1061
230	1.89½	3	404	135	765	255	1.76	436	1062
202	2.15	16	1,841	115	3,935	246	9.11	432	1063
132	1.79	3	355	118	636	212	2.68	236	1064
230	2.11	5	785	157	1,656	331	3.41	485	1065
313	2.92	4	840	210	2,451	613	2.69	913	1066
313	2.13½	2	311	156	664	332	1.00	608	1067
313	.61	4	1,200	300	733	183	3.83	191	1068
313	2.50	1	307	307	767	767	0.98	782	1069
313	1.76½	2	312	156	551	276	1.00	553	1070
313	3.29	1	313	313	1,029	1,029	1.00	1,029	1071
313	1.21	1	313	313	378	378	1.00	378	1072
48	.48½	1	55	55	27	27	1.15	24	1073
53	.45	2	107	54	48	24	2.02	24	1074
48	.63	2	126	63	79	40	2.63	30	1075
313	.57½	2	528	264	304	152	1.69	180	1076
53	.67	2	120	60	81	41	2.26	36	1077
53	.82½	4	220	55	181	45	4.15	41	1078
313	2.03½	6	1,902	317	3,873	646	6.08	637	1079
53	.48	7	391	56	188	27	7.38	25	1080
48	.51½	4	192	48	99	25	4.00	25	1081
53	.66	3	176	59	116	39	3.33	35	1082
168	3.00	1	163	163	502	502	0.97	517	1083
53	.65	1	57	57	37	37	1.08	34	1084
53	.36½	1	59	59	21	21	1.11	19	1085
313	.47½	1	268	268	128	128	0.86	149	1086

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1087	28	Engineers, stationary .....	Coke .....	United States .....
1088	29	do .....	Coke .....	United States .....
1089	42	do .....	Iron ore .....	United States .....
1090		Engineers, tipper .....	Mixed iron and steel .....	Great Britain .....
1091		Engineers, triangle .....	Mixed iron and steel .....	Great Britain .....
1092		Engineers, ventilator .....	Mixed iron and steel .....	Continent of Europe .....
1093		Engineer, winding .....	Mixed iron and steel .....	Continent of Europe .....
1094	101	Engineer and engineers' helper .....	Pig iron .....	Southern district, U. S. .....
1095	26	Engineers and firemen .....	Bituminous coal .....	United States .....
1096		do .....	Bituminous coal .....	United States .....
1097	58	Engineer and foreman .....	Pig iron .....	Northern district, U. S. .....
1098	9	Engineers and laborers .....	Pig iron .....	Northern district, U. S. .....
1099	22	do .....	Pig iron .....	Northern district, U. S. .....
1100	58	do .....	Pig iron .....	Northern district, U. S. .....
1101	1	do .....	Steel ingots .....	United States .....
1102		do .....	Mixed iron and steel .....	United States .....
1103		do .....	Mixed iron and steel .....	United States .....
1104	1	do .....	Iron ore .....	United States .....
1105	72	do .....	Iron ore .....	United States .....
1106	9	Engineers and machinists .....	Pig iron .....	Northern district, U. S. .....
1107		do .....	Steel blooms .....	United States .....
1108		do .....	Mixed iron and steel .....	United States .....
1109	46	do .....	Iron ore .....	United States .....
1110	41	Engineers and miners .....	Iron ore .....	United States .....
1111	42	do .....	Iron ore .....	United States .....
1112	1	Engineer and rigger .....	Steel ingots .....	United States .....
1113		Engineer and roller .....	Mixed iron and steel .....	United States .....
1114	103	Engineer and water tender .....	Pig iron .....	Southern district, U. S. .....
1115	95	Engineer and wiper .....	Pig iron .....	Southern district, U. S. .....
1116	101	Engineers' helpers .....	Pig iron .....	Southern district, U. S. .....
1117	17	do .....	Muck bar iron .....	United States .....
1118	101	Engineers' helper and laborer .....	Pig iron .....	Southern district, U. S. .....
1119	101	Engineers' helper and teamster .....	Pig iron .....	Southern district, U. S. .....
1120		Enginemen .....	Mixed iron and steel .....	Great Britain .....
1121	148	Enginemen, fan .....	Bituminous coal .....	Dominion of Canada .....
1122	170	do .....	Bituminous coal .....	Great Britain .....
1123	148	Enginemen, hauling .....	Bituminous coal .....	Dominion of Canada .....
1124	170	do .....	Bituminous coal .....	Great Britain .....
1125	170	Enginemen, locomotive .....	Bituminous coal .....	Great Britain .....
1126	170	Enginemen, underground .....	Bituminous coal .....	Great Britain .....
1127	148	Enginemen, winding .....	Bituminous coal .....	Dominion of Canada .....
1128	170	Enginemen's helpers .....	Bituminous coal .....	Great Britain .....
1129		Entrymen .....	Bituminous coal .....	United States .....
1130		Entrymen and handlers .....	Bituminous coal .....	United States .....
1131		Entrymen and laborers .....	Bituminous coal .....	United States .....
1132		Entrymen and miners .....	Bituminous coal .....	United States .....
1133		Entryman and timberman .....	Bituminous coal .....	United States .....
1134		Entryman and water boiler .....	Bituminous coal .....	United States .....
1135		Examiner .....	Mixed iron and steel .....	Continent of Europe .....
1136	148	Extra hand .....	Bituminous coal .....	Dominion of Canada .....
1137		Fagotmakers .....	Mixed iron and steel .....	United States .....
1138	101	Fallmen .....	Pig iron .....	Southern district, U. S. .....
1139	96	Fanmen .....	Bituminous coal .....	United States .....
1140	109	do .....	Bituminous coal .....	United States .....
1141	109	Fanman and weighman .....	Bituminous coal .....	United States .....
1142	6	Feeders, coal crusher .....	Coke .....	United States .....
1143		Fettlers and slag wheelers .....	Mixed iron and steel .....	Great Britain .....
1144		File cleaner .....	Pig iron .....	Great Britain .....
1145		Filers .....	Steel rails .....	Continent of Europe .....
1146		do .....	Mixed iron and steel .....	Great Britain .....
1147		do .....	Mixed iron and steel .....	Great Britain .....
1148	9	Fillors .....	Pig iron .....	Northern district, U. S. .....
1149	10	do .....	Pig iron .....	Northern district, U. S. .....
1150	32	do .....	Pig iron .....	Northern district, U. S. .....
1151	41	do .....	Pig iron .....	Northern district, U. S. .....
1152	42	do .....	Pig iron .....	Northern district, U. S. .....
1153	49	do .....	Pig iron .....	Northern district, U. S. .....
1154	55	do .....	Pig iron .....	Northern district, U. S. .....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- ginal num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.81	2	277	139	\$502	\$251	0.89	\$567	1087
305	1.05	1	301	301	316	316	0.82	383	1088
313	1.43½	4	1,295	324	1,857	464	4.14	449	1089
48	.69	2	74	37	49	25	1.54	32	1090
53	.49	2	94	47	46	23	1.77	26	1091
313	.55½	2	714	357	395	198	2.28	173	1092
313	.35½	1	264	264	94	94	0.84	111	1093
184	1.79	1	109	109	195	195	0.59	329	1094
313	1.72	1	317	317	545	545	1.01	538	1095
365	1.90	1	346	346	657	657	0.95	693	1096
365	2.95	1	251	251	740	740	0.69	1,076	1097
365	2.25	1	362	362	814	814	0.99	821	1098
365	1.60	1	5	5	8	8	0.01	584	1099
365	1.84	1	179	179	329	329	0.49	671	1100
313	1.51½	4	116	29	176	44	0.37	475	1101
313	1.62½	1	122	122	198	198	0.39	508	1102
313	1.45½	1	11	11	16	16	0.04	455	1103
313	1.51½	1	76	76	115	115	0.24	474	1104
313	1.77	1	200	200	354	354	0.64	554	1105
365	2.97	1	321	321	953	953	0.88	1,084	1106
230	2.89	1	288	288	833	833	1.25	665	1107
313	1.78	2	363	182	646	323	1.16	557	1108
313	2.60	4	1,132	283	2,943	736	3.62	814	1109
313	1.22½	2	246	123	301	151	0.79	383	1110
313	1.45½	1	301	301	439	439	0.96	457	1111
313	1.91½	1	205	205	393	393	0.65	600	1112
155	2.00	1	2	2	4	4	0.01	310	1113
365	1.82	1	313	313	570	570	0.86	665	1114
334	1.14	1	303	303	345	345	0.91	380	1115
184	1.40	16	1,125	70	1,577	99	6.12	258	1116
280	1.75	3	77	26	136	45	0.27	505	1117
184	1.24	1	50	50	62	62	0.27	228	1118
184	1.12½	1	113	113	127	127	0.61	207	1119
156	1.01	6	850	142	858	143	5.45	157	1120
365	1.20	2	763	382	915	458	2.09	438	1121
91	1.21	2	153	77	185	93	1.69	110	1122
313	1.20	2	475	238	509	285	1.52	375	1123
91	1.44	2	182	91	262	131	2.00	131	1124
91	1.16½	2	163	82	190	95	1.80	106	1125
91	1.09	2	163	82	178	89	1.79	99	1126
313	1.25	1	330	330	412	412	1.05	391	1127
91	.43½	2	154	77	67	34	1.70	40	1128
313	(a)	88	(a)	(a)	4,525	51	(a)	(a)	1129
213	1.47	5	261	52	384	77	0.83	461	1130
313	(a)	6	(a)	(a)	830	138	(a)	(a)	1131
313	1.87½	3	162	54	304	101	0.52	587	1132
313	(a)	1	(a)	(a)	162	162	(a)	(a)	1133
313	.67½	1	62	62	42	42	0.20	212	1134
92	.42	1	92	92	39	39	1.00	39	1135
313	1.00	1	252	252	252	252	0.01	313	1136
313	2.03	2	65	33	132	66	0.21	636	1137
184	1.25	17	551	32	685	40	2.99	229	1138
313	1.50	3	310	103	470	157	0.99	475	1139
313	1.53½	1	173	173	263	263	0.55	476	1140
313	1.68	1	194	194	326	326	0.62	526	1141
92	1.00	2	43	22	43	22	0.47	92	1142
156	.90	2	320	160	288	144	2.05	140	1143
135	1.03	1	135	135	139	139	1.00	139	1144
78	.51	32	1,990	62	1,014	32	25.51	40	1145
48	(a)	6	(a)	(a)	233	39	(a)	(a)	1146
53	.61	8	407	51	247	31	7.68	32	1147
365	1.92	1	265	265	509	509	0.73	701	1148
365	1.58	94	7,219	77	11,398	121	19.78	576	1149
365	1.62½	29	4,274	147	6,953	240	11.70	594	1150
167	1.50	10	1,441	144	2,162	216	8.63	251	1151
365	1.50	2	236	118	343	172	0.65	530	1152
365	1.55	25	4,239	170	5,742	230	11.61	494	1153
181	1.41½	36	3,357	93	4,742	132	18.55	256	1154

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1155	67	Fillers—concluded	Pig iron	Northern district, U. S.
1156	95	do	Pig iron	Southern district, U. S.
1157	103	do	Pig iron	Southern district, U. S.
1158	109	do	Pig iron	Southern district, U. S.
1159		do	Pig iron	Continent of Europe
1160	36	do	Pig iron	Great Britain
1161	37	do	Pig iron	Great Britain
1162		do	Mixed iron and steel	United States
1163		do	Mixed iron and steel	Continent of Europe
1164		do	Mixed iron and steel	Continent of Europe
1165	72	do	Iron ore	United States
1166	9	Fillers, bottom	Pig iron	Northern district, U. S.
1167	22	do	Pig iron	Northern district, U. S.
1168	42	do	Pig iron	Northern district, U. S.
1169	55	do	Pig iron	Northern district, U. S.
1170	84	do	Pig iron	Northern district, U. S.
1171	95	do	Pig iron	Southern district, U. S.
1172	109	do	Pig iron	Southern district, U. S.
1173	114	do	Pig iron	Southern district, U. S.
1174	36	Fillers, cinder	Pig iron	Great Britain
1175	37	do	Pig iron	Great Britain
1176	58	Fillers, coke	Pig iron	Northern district, U. S.
1177	83	do	Pig iron	Northern district, U. S.
1178	36	do	Pig iron	Great Britain
1179	37	do	Pig iron	Great Britain
1180		do	Pig iron	Great Britain
1181	1	Fillers, cupola	Steel ingots	United States
1182	58	Fillers, lime	Pig iron	Northern district, U. S.
1183		do	Pig iron	Great Britain
1184	36	Fillers, mine	Pig iron	Great Britain
1185	58	Fillers, ore	Pig iron	Northern district, U. S.
1186	83	do	Pig iron	Northern district, U. S.
1187		do	Pig iron	Great Britain
1188	95	Fillers, stockhouse	Pig iron	Southern district, U. S.
1189	37	Fillers, stove	Pig iron	Great Britain
1190	10	Fillers, top	Pig iron	Northern district, U. S.
1191	22	do	Pig iron	Northern district, U. S.
1192	32	do	Pig iron	Northern district, U. S.
1193	41	do	Pig iron	Northern district, U. S.
1194	42	do	Pig iron	Northern district, U. S.
1195	49	do	Pig iron	Northern district, U. S.
1196	55	do	Pig iron	Northern district, U. S.
1197	58	do	Pig iron	Northern district, U. S.
1198	83	do	Pig iron	Northern district, U. S.
1199	84	do	Pig iron	Northern district, U. S.
1200	95	do	Pig iron	Northern district, U. S.
1201	101	do	Pig iron	Southern district, U. S.
1202	103	do	Pig iron	Southern district, U. S.
1203	109	do	Pig iron	Southern district, U. S.
1204	114	do	Pig iron	Southern district, U. S.
1205		do	Pig iron	Southern district, U. S.
1206		do	Steel ingots	Continent of Europe
1207	9	Fillers and helpers	Pig iron	Northern district, U. S.
1208	103	do	Pig iron	Southern district, U. S.
1209	32	Filler and iron handler	Pig iron	Northern district, U. S.
1210	10	Fillers and iron men	Pig iron	Northern district, U. S.
1211	49	Filler and keeper	Pig iron	Northern district, U. S.
1212	10	Fillers and keepers' helpers	Pig iron	Northern district, U. S.
1213	95	do	Pig iron	Northern district, U. S.
1214	9	Fillers and laborers	Pig iron	Southern district, U. S.
1215	10	do	Pig iron	Northern district, U. S.
1216	32	do	Pig iron	Northern district, U. S.
1217	42	do	Pig iron	Northern district, U. S.
1218	58	do	Pig iron	Northern district, U. S.
1219	67	do	Pig iron	Northern district, U. S.
1220	84	do	Pig iron	Northern district, U. S.
1221	101	do	Pig iron	Northern district, U. S.
1222	103	do	Pig iron	Southern district, U. S.
1223		do	Mixed iron and steel	United States

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
365	\$1.61½	28	5,915	211	\$9,539	\$341	16.20	\$539	1155
334	1.86	3	385	128	524	175	1.15	455	1156
365	1.18½	119	6,947	58	8,223	69	19.02	432	1157
365	1.14	5	565	113	643	129	1.55	415	1158
91	.71½	6	492	82	351	59	5.41	65	1159
91	1.04½	4	338	85	353	88	3.72	95	1160
91	.88½	8	666	83	589	74	7.32	80	1161
313	1.65	48	8,277	172	13,489	281	26.44	510	1162
92	.50	63	4,689	69	2,335	34	50.97	46	1163
313	.54½	12	2,405	200	1,314	110	7.68	171	1164
313	1.88	25	1,399	56	2,632	105	4.48	589	1165
365	2.03	27	3,025	112	6,138	227	8.30	741	1166
365	1.50	31	6,236	201	9,308	300	17.08	545	1167
365	1.50½	15	3,993	266	6,002	400	10.94	549	1168
181	1.70	16	2,378	149	4,028	252	13.14	307	1169
122	1.20	8	677	85	807	101	5.55	145	1170
334	1.33½	1	3	3	4	4	0.01	445	1171
365	1.12	98	6,792	69	7,595	78	18.61	408	1172
365	1.06	21	2,663	127	2,820	134	7.30	387	1173
91	.78½	4	321	80	252	63	3.52	71	1174
91	.71½	8	595	74	424	53	6.54	65	1175
365	1.55	19	5,207	274	8,008	421	14.27	561	1176
92	1.20	6	342	57	412	69	3.72	111	1177
91	.62½	6	459	77	287	48	5.04	57	1178
91	.59	19	1,492	79	882	46	16.39	54	1179
135	.88	4	540	135	476	119	4.00	119	1180
313	2.35	2	259	130	609	305	0.83	736	1181
365	1.55	11	3,381	307	5,259	478	9.26	568	1182
135	.88	4	540	135	475	119	4.00	119	1183
91	.87½	12	933	78	815	68	10.25	79	1184
365	1.54	19	5,081	267	7,828	412	13.92	562	1185
92	1.42	4	316	79	449	112	3.43	131	1186
135	1.01	12	1,620	135	1,638	137	12.00	137	1187
334	1.16½	195	6,768	35	7,860	40	20.26	339	1188
91	.54½	2	176	88	96	48	1.93	50	1189
365	1.90	3	717	239	1,364	455	1.96	694	1190
365	1.51½	12	1,305	109	1,975	165	3.57	552	1191
365	2.00	6	1,334	222	2,626	438	3.65	719	1192
167	1.65	2	335	168	553	277	2.01	276	1193
365	1.54	3	2,395	299	3,688	461	6.57	562	1194
365	1.60	2	673	337	1,058	529	1.84	574	1195
181	2.10	4	661	165	1,385	346	3.65	379	1196
365	1.91	11	3,344	304	6,390	581	9.16	697	1197
92	1.67½	2	164	82	275	138	1.78	154	1198
122	1.45	2	235	118	340	170	1.93	177	1199
334	1.75	2	496	248	866	433	1.49	583	1200
184	1.75	6	906	151	1,556	259	4.92	816	1201
365	1.45	7	1,494	213	2,165	309	4.09	529	1202
365	1.25	9	1,214	135	1,516	168	3.33	456	1203
365	1.50	4	1,014	254	1,521	380	2.78	543	1204
91	.73½	7	508	73	373	53	5.58	67	1205
77	.71½	4	232	58	166	42	3.01	55	1206
365	2.14½	1	7	7	15	15	0.02	782	1207
365	1.25	1	56	56	70	70	0.15	456	1208
365	2.34	1	68	68	159	159	0.19	853	1209
365	1.64	3	353	118	579	193	0.97	599	1210
365	1.69	1	354	354	599	599	0.97	618	1211
365	1.59	1	114	114	181	181	0.31	580	1212
334	1.33½	1	3	3	4	4	0.01	445	1213
365	1.82	21	3,320	158	6,044	288	9.09	664	1214
365	1.52	8	402	50	612	77	1.10	556	1215
365	1.55	4	304	76	471	118	0.83	566	1216
365	1.33½	13	2,456	189	3,402	262	6.73	506	1217
365	1.64½	5	1,440	290	2,383	477	3.97	600	1218
365	1.45	13	2,391	184	3,467	267	6.55	529	1219
122	1.09½	11	604	55	662	60	4.95	134	1220
184	1.10	6	236	39	260	43	1.28	203	1221
365	1.08½	5	80	16	87	17	0.22	397	1222
313	1.54½	2	392	196	606	303	1.25	484	1223



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1224		Filler and masons' helper.....	Mixed iron and steel..	United States.....
1225	9	Filler and metal breaker.....	Pig iron.....	Northern district, U. S..
1226	55	Filler and metal carrier.....	Pig iron.....	Northern district, U. S..
1227	9	Fillers and ore breakers.....	Pig iron.....	Northern district, U. S..
1228	32	...do.....	Pig iron.....	Northern district, U. S..
1229	55	Filler and scraper.....	Pig iron.....	Northern district, U. S..
1230	103	Filler and stocker.....	Pig iron.....	Southern district, U. S..
1231	109	Filler and sweeper.....	Pig iron.....	Southern district, U. S..
1232	10	Fillers' helpers.....	Pig iron.....	Northern district, U. S..
1233	101	...do.....	Pig iron.....	Southern district, U. S..
1234	10	Fillers' helper and laborer.....	Pig iron.....	Northern district, U. S..
1235	10	Fillers' helper and stock preparer.....	Pig iron.....	Northern district, U. S..
1236		Finishers.....	Mixed iron and steel..	United States.....
1237		...do.....	Mixed iron and steel..	Continent of Europe.....
1238		...do.....	Mixed iron and steel..	Continent of Europe.....
1239		...do.....	Mixed iron and steel..	Continent of Europe.....
1240		Finishers' helper.....	Mixed iron and steel..	Continent of Europe.....
1241	96	Fire bosses.....	Bituminous coal.....	United States.....
1242	107	...do.....	Bituminous coal.....	United States.....
1243	10	Firemen.....	Pig iron.....	Northern district, U. S..
1244	32	...do.....	Pig iron.....	Northern district, U. S..
1245	49	...do.....	Pig iron.....	Northern district, U. S..
1246	58	...do.....	Pig iron.....	Northern district, U. S..
1247	83	...do.....	Pig iron.....	Northern district, U. S..
1248	95	...do.....	Pig iron.....	Southern district, U. S..
1249	101	...do.....	Pig iron.....	Southern district, U. S..
1250	103	...do.....	Pig iron.....	Southern district, U. S..
1251	37	...do.....	Pig iron.....	Great Britain.....
1252	9	...do.....	Muck bar iron.....	United States.....
1253	17	...do.....	Muck bar iron.....	United States.....
1254	26	...do.....	Muck bar iron.....	United States.....
1255	8	...do.....	Finished bar iron.....	United States.....
1256	9	...do.....	Finished bar iron.....	United States.....
1257	1	...do.....	Steel ingots.....	United States.....
1258		...do.....	Steel billets.....	United States.....
1259		...do.....	Steel blooms.....	United States.....
1260		...do.....	Steel blooms.....	United States.....
1261		...do.....	Mixed iron and steel..	United States.....
1262		...do.....	Mixed iron and steel..	United States.....
1263		...do.....	Mixed iron and steel..	United States.....
1264		...do.....	Mixed iron and steel..	United States.....
1265		...do.....	Mixed iron and steel..	United States.....
1266		...do.....	Mixed iron and steel..	Continent of Europe.....
1267		...do.....	Mixed iron and steel..	Continent of Europe.....
1268	18	...do.....	Bituminous coal.....	United States.....
1269		...do.....	Bituminous coal.....	United States.....
1270		...do.....	Bituminous coal.....	United States.....
1271	148	...do.....	Bituminous coal.....	Dominion of Canada.....
1272	156	...do.....	Bituminous coal.....	Continent of Europe.....
1273		...do.....	Bituminous coal.....	Continent of Europe.....
1274	170	...do.....	Bituminous coal.....	Great Britain.....
1275		...do.....	Coke.....	Continent of Europe.....
1276	1	...do.....	Iron ore.....	United States.....
1277	12	...do.....	Iron ore.....	United States.....
1278	42	...do.....	Iron ore.....	United States.....
1279	45	...do.....	Iron ore.....	United States.....
1280	46	...do.....	Iron ore.....	United States.....
1281	69	...do.....	Iron ore.....	United States.....
1282	72	...do.....	Iron ore.....	United States.....
1283	80	...do.....	Iron ore.....	Continent of Europe.....
1284		Firemen, axle hammer.....	Mixed iron and steel..	United States.....
1285		Firemen, boiler.....	Mixed iron and steel..	United States.....
1286		...do.....	Mixed iron and steel..	United States.....
1287		...do.....	Mixed iron and steel..	Continent of Europe.....
1288		...do.....	Mixed iron and steel..	Great Britain.....
1289		...do.....	Mixed iron and steel..	Great Britain.....
1290		Firemen, furnace.....	Mixed iron and steel..	United States.....
1291		...do.....	Mixed iron and steel..	Great Britain.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless  
tion, Tables I to XI. Where no establishment number is given no statement of cost of production  
these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.46½	1	26	28	\$41	\$41	0.09	\$458	1224
365	2.13½	1	226	226	482	482	0.62	778	1225
181	1.65½	1	147	147	243	243	0.81	299	1226
365	1.83½	5	772	154	1,416	283	2.11	669	1227
365	1.55	1	111	111	172	172	0.30	566	1228
181	1.55½	1	47	47	73	73	0.26	281	1229
365	1.11½	1	69	69	77	77	0.19	407	1230
365	.87	1	132	132	115	115	0.36	318	1231
365	1.75	3	272	91	475	158	0.75	637	1232
184	1.50	6	707	118	1,040	173	3.84	271	1233
365	1.60	1	314	314	502	502	0.86	584	1234
365	1.64	1	80	80	131	131	0.22	598	1235
287	3.66	2	412	206	1,507	754	1.43	1,050	1236
313	.43	5	1,428	286	617	123	4.56	135	1237
92	.48½	39	2,309	59	1,123	29	25.10	45	1238
313	.58½	53	14,913	281	8,709	164	47.64	183	1239
313	.26½	1	181	181	48	48	0.58	83	1240
313	2.09½	1	320	320	671	671	1.02	656	1241
313	2.00	1	292	292	584	584	0.93	626	1242
365	2.00	2	619	310	1,207	604	1.70	712	1243
335	2.25	1	324	324	718	718	0.89	809	1244
365	1.35	3	705	235	962	321	1.93	498	1245
365	1.83	8	2,215	277	4,049	506	6.07	667	1246
92	1.64½	1	92	92	150	150	1.00	150	1247
334	1.50	4	680	170	1,020	255	2.04	501	1248
184	1.53½	11	1,150	105	1,764	160	6.25	282	1249
365	1.13	8	123	15	139	17	0.34	412	1250
91	.59	8	391	49	228	29	4.30	53	1251
313	1.47	6	864	144	1,272	212	2.75	461	1252
286	1.32	2	311	156	411	206	1.09	378	1253
313	1.59	3	414	138	621	207	1.82	470	1254
299	1.50	1	304	304	455	455	1.02	448	1255
313	1.67	3	364	121	608	203	1.17	523	1256
313	2.05	12	508	42	1,041	87	1.62	641	1257
202	2.06	9	933	104	1,920	213	4.62	416	1258
132	1.85	1	114	114	210	210	0.86	243	1259
240	1.83½	27	1,294	48	2,374	88	5.63	422	1260
313	1.39½	4	1,381	345	1,928	482	4.41	437	1261
313	1.60	14	1,971	141	3,162	226	6.80	502	1262
313	1.89½	2	654	327	1,240	620	2.09	593	1263
168	1.72	6	432	72	743	124	2.58	289	1264
313	1.80½	7	1,651	236	2,084	426	5.28	566	1265
77	.79½	2	143	72	114	57	1.86	61	1266
92	.56	12	724	60	404	34	7.87	51	1267
184	1.50	1	171	171	259	259	0.93	279	1268
313	1.75	1	263	263	444	444	0.84	528	1269
365	1.78½	2	428	214	765	383	1.17	652	1270
337	1.00½	5	1,181	236	1,184	237	3.50	338	1271
77	.58	9	272	30	158	18	3.54	45	1272
52	.70½	2	104	52	73	37	2.00	37	1273
91	.94	8	618	77	582	73	6.79	86	1274
365	.50	1	377	377	187	187	1.03	181	1275
313	1.25	1	38	38	48	48	0.12	395	1276
313	1.73	8	897	112	1,552	194	2.87	542	1277
313	1.56	6	1,602	267	2,501	417	5.12	489	1278
313	1.70½	3	671	224	1,145	382	2.15	534	1279
313	1.55	4	1,105	276	1,712	428	3.53	485	1280
313	1.56	2	525	263	831	416	1.68	495	1281
313	1.80½	11	1,810	165	3,267	297	5.80	565	1282
158	.52	2	318	159	171	86	2.01	85	1283
168	(a)	8	(a)	(a)	503	63	(a)	(a)	1285
313	1.83½	30	2,848	95	5,232	174	9.10	575	1284
168	1.90	6	547	91	1,040	173	3.26	319	1286
313	.48½	27	6,150	228	2,991	111	19.65	152	1287
48	.58	22	1,014	46	586	27	21.13	28	1288
156	.93½	2	346	173	323	162	2.22	146	1289
313	4.71	1	291	291	1,371	1,371	0.93	1,475	1290
156	.99½	2	300	150	296	148	1.92	154	1291

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1292		Firemen, gashouse .....	Mixed iron and steel..	United States.....
1293		Firemen, link welders .....	Mixed iron and steel..	United States.....
1294	32	Firemen, locomotive.....	Pig iron .....	Northern district, U. S.
1295	42	do .....	Pig iron .....	Northern district, U. S.
1296		do .....	Mixed iron and steel..	United States.....
1297		do .....	Mixed iron and steel..	Great Britain.....
1298	42	do .....	Iron ore .....	United States.....
1299		Fireman, shape hammer.....	Mixed iron and steel..	United States.....
1300		Fireman and firemen's helper .....	Steel blooms .....	United States.....
1301		Fireman and foreman .....	Mixed iron and steel..	United States.....
1302		Fireman and hooker-up .....	Mixed iron and steel..	United States.....
1303	32	Fireman and laborers.....	Pig iron .....	Northern district, U. S.
1304	1	do .....	Steel ingots .....	United States.....
1305		do .....	Steel blooms .....	United States.....
1306		do .....	Mixed iron and steel..	United States.....
1307		do .....	Mixed iron and steel..	United States.....
1308		do .....	Mixed iron and steel..	United States.....
1309		do .....	Mixed iron and steel..	United States.....
1310	72	Fireman and lander .....	Iron ore .....	United States.....
1311		Firemen and miners .....	Bituminous coal .....	United States.....
1312	41	do .....	Iron ore .....	United States.....
1313	42	do .....	Iron ore .....	United States.....
1314	69	Fireman and pumpman .....	Iron ore .....	United States.....
1315		Fireman and shoarman .....	Mixed iron and steel..	United States.....
1316	1	Firemen and stockers .....	Steel ingots .....	United States.....
1317		do .....	Mixed iron and steel..	United States.....
1318	1	Fireman and vesselman .....	Steel ingots .....	United States.....
1319	26	Fireman and watchman .....	Bituminous coal .....	United States.....
1320		Firemen and water tenders .....	Mixed iron and steel..	United States.....
1321	58	Firemen's helpers .....	Pig iron .....	Northern district, U. S.
1322		do .....	Steel blooms .....	United States.....
1323	36	Fitters .....	Pig iron .....	Great Britain.....
1324	37	do .....	Pig iron .....	Great Britain.....
1325		do .....	Mixed iron and steel..	Great Britain.....
1326		do .....	Mixed iron and steel..	Great Britain.....
1327		do .....	Mixed iron and steel..	Great Britain.....
1328	36	Fitters' helpers .....	Pig iron .....	Great Britain.....
1329		do .....	Mixed iron and steel..	Great Britain.....
1330	17	Fix grinders .....	Muck bar iron.....	United States.....
1331	58	Flagman .....	Pig iron .....	Northern district, U. S.
1332	58	Flagman and storekeeper .....	Pig iron .....	Northern district, U. S.
1333		Flue cleaner .....	Mixed iron and steel..	Great Britain.....
1334	9	Foremen .....	Pig iron .....	Northern district, U. S.
1335	22	do .....	Pig iron .....	Northern district, U. S.
1336	32	do .....	Pig iron .....	Northern district, U. S.
1337	41	do .....	Pig iron .....	Northern district, U. S.
1338	42	do .....	Pig iron .....	Northern district, U. S.
1339	49	do .....	Pig iron .....	Northern district, U. S.
1340	55	do .....	Pig iron .....	Northern district, U. S.
1341	58	do .....	Pig iron .....	Northern district, U. S.
1342	67	do .....	Pig iron .....	Northern district, U. S.
1343	95	do .....	Pig iron .....	Southern district, U. S.
1344	101	do .....	Pig iron .....	Southern district, U. S.
1345	103	do .....	Pig iron .....	Southern district, U. S.
1346	109	do .....	Pig iron .....	Southern district, U. S.
1347	40	do .....	Pig iron .....	Southern district, U. S.
1348		do .....	Pig iron .....	Continent of Europe .....
1349	114	do .....	Pig iron .....	Continent of Europe .....
1350	36	do .....	Pig iron .....	Great Britain.....
1351	37	do .....	Pig iron .....	Great Britain.....
1352	7	do .....	Muck bar iron.....	United States.....
1353	1	do .....	Steel ingots .....	United States.....
1354	5	do .....	Steel ingots .....	United States.....
1355	7	do .....	Steel ingots .....	United States.....
1356		do .....	Steel ingots .....	Continent of Europe .....
1357		do .....	Mixed iron and steel..	United States.....
1358		do .....	Mixed iron and steel..	United States.....
1359		do .....	Mixed iron and steel..	United States.....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each. ]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.35	45	6,327	141	\$8,545	\$190	20.21	\$423	1292
168	(a)	5	(a)	(a)	1,534	307	(a)	(a)	1293
313	1.60½	5	520	104	834	167	1.66	502	1294
365	1.50	2	700	350	1,050	525	1.92	548	1295
313	1.52½	4	569	142	867	217	1.82	477	1296
156	.89	3	565	188	504	168	3.62	139	1297
313	1.50	1	298	298	447	447	0.95	470	1298
168	1.90	1	152	152	294	294	0.90	325	1299
230	1.64	1	117	117	192	192	0.51	377	1300
313	1.94	1	293	293	568	568	0.94	607	1301
313	1.59½	1	47	47	75	75	0.15	499	1302
365	1.48	1	114	114	169	169	0.31	541	1303
313	1.50	1	2	2	3	3	0.01	470	1304
230	1.72	11	677	62	1,163	106	2.94	395	1305
313	1.24½	1	220	220	274	274	0.70	390	1306
313	1.53	6	850	142	1,290	215	2.71	475	1307
168	1.57	1	7	7	11	11	0.04	264	1308
313	1.51½	1	29	29	44	44	0.09	475	1309
313	1.87	1	156	156	292	292	0.50	586	1310
365	(a)	1	(a)	(a)	148	148	(a)	(a)	1311
313	1.35	1	232	232	313	313	0.74	422	1312
313	1.44½	3	702	234	1,016	339	2.24	453	1313
313	1.39	1	158	158	220	220	0.50	436	1314
168	1.43	1	110	110	157	157	0.65	240	1315
313	1.94	1	50	50	97	97	0.16	607	1316
168	1.25	1	28	28	35	35	0.17	210	1317
313	1.78	1	18	18	32	32	0.00	556	1318
313	1.42	1	301	301	428	428	0.96	445	1319
313	1.76½	2	655	328	1,155	578	2.09	552	1320
365	1.52½	2	539	270	822	411	1.47	557	1321
230	1.55	4	154	39	238	60	0.67	355	1322
78	.69	2	170	85	117	59	2.18	54	1323
78	.71	4	406	102	288	72	5.21	55	1324
48	.71	7	379	54	270	39	7.90	34	1325
156	1.35	4	802	201	1,083	271	5.14	211	1326
53	.70	20	1,095	55	767	38	20.66	37	1327
78	.36½	1	78	78	28	28	1.00	28	1328
48	.36	1	46	46	17	17	0.96	18	1329
286	1.37½	8	433	54	506	75	1.51	394	1330
365	1.55	1	219	219	339	339	0.60	565	1331
365	1.44½	1	317	317	458	458	0.87	527	1332
48	.61	1	60	60	37	37	1.25	30	1333
365	2.76½	3	761	254	2,105	702	2.09	1,010	1334
365	2.42	1	364	364	881	881	1.00	883	1335
365	2.65	1	360	360	954	954	0.99	967	1336
167	2.25	1	169	169	379	379	1.01	375	1337
365	2.09½	2	671	336	1,407	704	1.84	765	1338
365	2.55	2	724	362	1,846	923	1.98	981	1339
181	2.74	2	365	183	1,001	501	2.02	490	1340
347	2.97	8	2,062	258	6,127	766	5.94	1,031	1341
356	2.44½	3	709	236	1,732	577	1.99	870	1342
334	2.33	3	530	177	1,235	412	1.58	778	1343
184	1.93½	3	360	120	696	232	1.96	356	1344
365	3.93½	2	622	311	2,447	1,224	1.70	1,436	1345
365	2.30½	3	479	160	1,104	368	1.31	841	1346
365	2.48½	2	730	365	1,814	907	2.00	907	1347
90	1.07	1	90	90	96	96	1.00	96	1348
91	1.15	3	261	87	300	100	2.87	105	1349
91	1.35½	2	182	91	247	124	2.00	124	1350
91	1.73	3	273	91	472	157	3.00	157	1351
143	2.86½	1	157	157	450	450	1.10	410	1352
365	4.44	1	105	105	460	466	0.29	1,020	1353
132	4.00	1	132	132	524	524	1.00	524	1354
251	4.81	3	568	189	2,733	911	2.26	1,208	1355
31	1.55½	2	62	31	97	49	2.00	49	1356
313	3.00	1	4	4	12	12	0.01	939	1357
313	2.66½	4	1,260	315	3,357	839	4.03	834	1358
313	3.40½	2	450	225	1,532	766	1.44	1,066	1359

Ⓔ Paid the by quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1360		Foremen—concluded .....	Mixed iron and steel..	Continent of Europe....
1361		...do .....	Mixed iron and steel..	Continent of Europe....
1362		...do .....	Mixed iron and steel..	Continent of Europe....
1363		...do .....	Mixed iron and steel..	Great Britain .....
1364	109	...do .....	Bituminous coal .....	United States .....
1365		...do .....	Bituminous coal .....	United States .....
1366	156	...do .....	Bituminous coal .....	Continent of Europe....
1367	6	...do .....	Coke .....	United States .....
1368	13	...do .....	Coke .....	United States .....
1369	19	...do .....	Coke .....	United States .....
1370	23	...do .....	Coke .....	United States .....
1371	28	...do .....	Coke .....	United States .....
1372	29	...do .....	Coke .....	United States .....
1373	42	...do .....	Iron ore .....	United States .....
1374	45	...do .....	Iron ore .....	United States .....
1375	56	...do .....	Iron ore .....	United States .....
1376	59	...do .....	Iron ore .....	United States .....
1377	61	...do .....	Iron ore .....	United States .....
1378	77	...do .....	Iron ore .....	Continent of Europe....
1379	80	...do .....	Iron ore .....	Continent of Europe....
1380		Foremen, assistant .....	Mixed iron and steel..	Great Britain .....
1381	13	...do .....	Coke .....	United States .....
1382	19	...do .....	Coke .....	United States .....
1383	23	...do .....	Coke .....	United States .....
1384	28	...do .....	Coke .....	United States .....
1385		Foremen, blacksmiths .....	Mixed iron and steel..	United States .....
1386		...do .....	Mixed iron and steel..	United States .....
1387		...do .....	Mixed iron and steel..	Great Britain .....
1388		...do .....	Mixed iron and steel..	Great Britain .....
1389		Foremen, boiler .....	Mixed iron and steel..	United States .....
1390		Foremen, bottom builders .....	Mixed iron and steel..	Continent of Europe....
1391		Foreman, bricklayers .....	Mixed iron and steel..	United States .....
1392	29	Foreman, bundlers and stock takers..	Finished bar iron .....	Great Britain .....
1393		Foremen, carpenters .....	Mixed iron and steel..	Continent of Europe....
1394	42	...do .....	Iron ore .....	United States .....
1395	72	...do .....	Iron ore .....	United States .....
1396		Foreman, chippers .....	Steel billets .....	United States .....
1397		Foremen, coke oven .....	Mixed iron and steel..	United States .....
1398	1	Foremen, converter .....	Steel ingots .....	United States .....
1399		...do .....	Mixed iron and steel..	Continent of Europe....
1400		Foremen, drillers .....	Mixed iron and steel..	Great Britain .....
1401		...do .....	Mixed iron and steel..	Great Britain .....
1402		Foremen, drop .....	Steel blooms .....	United States .....
1403		Foreman, drop, assistant .....	Steel blooms .....	United States .....
1404	36	Foreman, engine .....	Pig iron .....	Great Britain .....
1405		Foremen, engineers .....	Mixed iron and steel..	Great Britain .....
1406	12	...do .....	Iron ore .....	United States .....
1407		Foreman, fillers .....	Mixed iron and steel..	Continent of Europe....
1408	37	Foremen, fitters .....	Pig iron .....	Great Britain .....
1409		...do .....	Mixed iron and steel..	Great Britain .....
1410		...do .....	Mixed iron and steel..	Great Britain .....
1411		Foremen, gashouse .....	Mixed iron and steel..	United States .....
1412		...do .....	Mixed iron and steel..	United States .....
1413		...do .....	Mixed iron and steel..	Great Britain .....
1414		Foremen, haulers .....	Mixed iron and steel..	Great Britain .....
1415		...do .....	Mixed iron and steel..	Great Britain .....
1416		...do .....	Bituminous coal .....	United States .....
1417		Foremen, heaters .....	Steel rails .....	Continent of Europe....
1418	22	Foremen, iron handlers .....	Pig iron .....	Northern district, U. S.
1419	1	...do .....	Steel ingots .....	United States .....
1420	10	Foremen, laborers .....	Pig iron .....	Northern district, U. S.
1421	55	...do .....	Pig iron .....	Northern district, U. S.
1422		...do .....	Pig iron .....	Great Britain .....
1423	1	...do .....	Steel ingots .....	United States .....
1424		...do .....	Steel ingots .....	Continent of Europe....
1425		...do .....	Steel billets .....	United States .....
1426		...do .....	Steel blooms .....	United States .....
1427		...do .....	Steel blooms .....	United States .....
1428		...do .....	Steel rails .....	Continent of Europe....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
77	\$1.18	7	411	59	\$486	\$69	5.34	\$91	1360
313	2.39½	1	313	313	750	750	1.00	750	1361
92	.89	4	276	69	246	62	3.00	82	1362
53	1.46	1	48	48	70	70	0.91	77	1363
313	3.10	1	313	313	970	970	1.00	970	1364
313	3.10	1	313	313	970	970	1.00	970	1365
77	.62	1	88	88	54	54	1.14	47	1366
92	2.98	2	95	48	283	142	1.03	274	1367
313	3.26	1	313	313	1,020	1,020	1.00	1,020	1368
313	2.49	1	313	313	780	780	1.00	780	1369
313	2.14½	1	314	314	673	673	1.00	671	1370
313	3.83½	1	313	313	1,200	1,200	1.00	1,200	1371
365	2.00	1	364	364	728	728	1.00	730	1372
313	1.85½	10	2,821	282	5,232	523	9.01	581	1373
313	2.30	1	313	313	720	720	1.00	720	1374
313	1.50	2	306	153	459	230	0.98	470	1375
313	1.40½	3	444	148	624	208	1.42	440	1376
155	1.50	1	154	154	231	231	0.99	233	1377
313	.84	1	117	117	98	98	0.37	262	1378
158	.95	2	300	150	286	143	1.90	151	1379
53	.81	1	48	48	39	39	0.91	43	1380
313	2.32	1	301	301	699	699	0.96	727	1381
313	2.25	2	304	152	684	342	0.97	704	1382
313	1.50	1	246	246	369	369	0.79	470	1383
313	1.50	1	219	219	342	342	0.70	489	1384
313	3.45	1	302	302	1,042	1,042	0.96	1,080	1385
168	5.00	1	168	168	840	840	1.00	840	1386
48	1.34	1	48	48	64	64	1.00	64	1387
53	1.17½	1	48	48	56	56	0.91	62	1388
313	2.00	2	448	224	892	446	1.43	623	1389
313	.74	2	498	244	361	181	1.56	232	1390
313	4.31½	1	313	313	1,350	1,350	1.00	1,350	1391
99	1.94½	1	99	99	193	193	1.00	193	1392
313	.87	1	374	374	326	326	1.19	273	1393
313	2.75	1	287	287	789	789	0.92	860	1394
313	2.50	1	311	311	777	777	0.99	782	1395
202	3.89	1	187	187	727	727	0.93	785	1396
313	2.75	1	290	290	797	797	0.93	860	1397
365	4.73	2	732	366	3,461	1,731	2.01	1,726	1398
313	53½	1	266	266	142	142	0.85	167	1399
48	2.43½	1	48	48	117	117	1.00	117	1400
53	1.09½	1	48	48	53	53	0.91	59	1401
230	1.80	2	191	96	340	170	0.83	409	1402
220	1.60	1	180	180	284	284	0.78	363	1403
91	1.21½	1	91	91	111	111	1.00	111	1404
53	2.84½	1	48	48	136	136	0.91	150	1405
313	2.49	1	313	313	780	780	1.00	780	1406
313	.56½	1	175	175	99	99	0.56	177	1407
78	2.43½	1	78	78	190	190	1.00	190	1408
48	1.82½	1	60	60	110	110	1.25	88	1409
53	1.21½	1	48	48	58	58	0.91	64	1410
365	2.00	2	494	247	988	494	1.35	730	1411
365	2.50	2	709	355	1,773	887	1.94	913	1412
53	.85	2	129	65	109	55	2.43	45	1413
48	1.09½	1	48	48	53	53	1.00	53	1414
53	.81	1	48	48	39	39	0.91	43	1415
313	2.25	1	235	235	522	522	0.75	695	1416
78	1.74	2	158	79	275	138	2.03	136	1417
365	2.50	1	364	364	910	910	1.00	913	1418
313	1.91½	2	456	228	874	437	1.45	600	1419
365	2.35½	3	869	290	2,048	683	2.39	860	1420
181	2.00	1	180	180	357	357	0.99	359	1421
135	1.13½	2	270	135	307	154	2.00	154	1422
365	3.10½	2	117	59	363	182	0.32	1,132	1423
78	.73	3	130	43	95	32	1.67	57	1424
202	3.81	1	182	182	693	693	0.90	769	1425
144	1.85	1	146	146	269	269	1.01	265	1426
251	2.65	1	308	308	815	815	1.23	664	1427
78	.59½	2	114	57	68	34	1.46	47	1428

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1429		Foremen, laborers—concluded .....	Mixed iron and steel..	United States.....
1430		..do .....	Mixed iron and steel..	United States.....
1431		..do .....	Mixed iron and steel..	United States.....
1432		..do .....	Mixed iron and steel..	Continent of Europe..
1433		..do .....	Mixed iron and steel..	Continent of Europe..
1434		..do .....	Mixed iron and steel..	Continent of Europe..
1435		..do .....	Mixed iron and steel..	Continent of Europe..
1436		..do .....	Mixed iron and steel..	Great Britain.....
1437	18	..do .....	Bituminous coal .....	United States.....
1438		..do .....	Bituminous coal .....	United States.....
1439		Foreman, laborers, assistant .....	Steel blooms .....	United States.....
1440		Foreman, locksmiths .....	Mixed iron and steel..	Continent of Europe..
1441	10	Foreman, machinery .....	Pig iron .....	Northern district, U. S..
1442		Foremen, machinists .....	Pig iron .....	Continent of Europe..
1443		..do .....	Mixed iron and steel..	United States.....
1444		..do .....	Mixed iron and steel..	United States.....
1445		..do .....	Mixed iron and steel..	Continent of Europe..
1446	37	Foremen, masons .....	Pig iron .....	Great Britain.....
1447		..do .....	Mixed iron and steel..	Continent of Europe..
1448		..do .....	Mixed iron and steel..	Continent of Europe..
1449		..do .....	Mixed iron and steel..	Great Britain.....
1450		..do .....	Mixed iron and steel..	Great Britain.....
1451	29	Foremen, mill .....	Finished bar iron.....	Great Britain.....
1452		..do .....	Steel billets .....	United States.....
1453		..do .....	Steel rails .....	Continent of Europe..
1454		..do .....	Mixed iron and steel..	United States.....
1455		..do .....	Mixed iron and steel..	Continent of Europe..
1456		..do .....	Mixed iron and steel..	Great Britain.....
1457		..do .....	Mixed iron and steel..	Great Britain.....
1458	42	Foremen, miners .....	Iron ore .....	United States.....
1459	46	..do .....	Iron ore .....	United States.....
1460	1	Foreman, mixers .....	Steel ingots .....	United States.....
1461		Foreman, moulders .....	Mixed iron and steel..	Great Britain.....
1462	36	Foreman, navvies .....	Pig iron .....	Great Britain.....
1463	2	Foremen, pitmen .....	Steel ingots .....	United States.....
1464		Foremen, plate cutters .....	Mixed iron and steel..	Continent of Europe..
1465	36	Foremen, puddlers .....	Muck bar iron .....	Great Britain.....
1466		..do .....	Mixed iron and steel..	United States.....
1467		..do .....	Mixed iron and steel..	Continent of Europe..
1468		..do .....	Mixed iron and steel..	Continent of Europe..
1469		..do .....	Mixed iron and steel..	Continent of Europe..
1470		..do .....	Mixed iron and steel..	Great Britain.....
1471	36	Foremen, rail bank .....	Mixed iron and steel..	Great Britain.....
1472		..do .....	Mixed iron and steel..	Great Britain.....
1473		Foremen, repairers .....	Mixed iron and steel..	Continent of Europe..
1474		..do .....	Mixed iron and steel..	Continent of Europe..
1475	29	Foremen, roll turners .....	Finished bar iron .....	Great Britain.....
1476		..do .....	Mixed iron and steel..	Great Britain.....
1477		..do .....	Mixed iron and steel..	Great Britain.....
1478		Foremen, rollers .....	Steel rails .....	Continent of Europe..
1479		..do .....	Steel rails .....	Continent of Europe..
1480		..do .....	Mixed iron and steel..	Continent of Europe..
1481		Foreman, scrap pileers .....	Mixed iron and steel..	United States.....
1482		Foreman, scull breakers .....	Steel blooms .....	United States.....
1483		Foreman, shear room .....	Mixed iron and steel..	United States.....
1484	1	Foreman, stockers .....	Steel ingots .....	United States.....
1485		Foremen, stokers .....	Mixed iron and steel..	Great Britain.....
1486	103	Foremen, track .....	Pig iron .....	Southern district, U. S..
1487		..do .....	Steel blooms .....	United States.....
1488	69	..do .....	Iron ore .....	United States.....
1489		Foremen, transportation .....	Mixed iron and steel..	Continent of Europe..
1490		..do .....	Mixed iron and steel..	Continent of Europe..
1491		Foremen, warehouse .....	Mixed iron and steel..	Continent of Europe..
1492		Foreman, works .....	Mixed iron and steel..	Continent of Europe..
1493		Foreman, works, assistant .....	Mixed iron and steel..	Continent of Europe..
1494		Foreman, yard .....	Mixed iron and steel..	United States.....
1495		Foreman and heater .....	Mixed iron and steel..	United States.....
1496	22	Foreman and laborer .....	Pig iron .....	Northern district, U. S..

## TIME AND EARNINGS BY OCCUPATIONS--Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless  
tion, Tables I to XI. Where no establishment number is given no statement of cost of production  
these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- ginal num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$2.75	2	633	317	\$1,740	\$870	2.03	\$860	1420
313	2.25	1	318	318	716	716	1.02	705	1430
313	1.58	3	487	162	769	256	1.55	494	1431
77	.77½	1	72	72	56	56	0.04	60	1432
313	.96	1	343	343	329	329	1.10	300	1433
92	.62	5	443	89	274	55	4.82	57	1434
313	.71	2	699	350	498	249	2.23	223	1435
53	.89	1	76	76	70	70	1.43	49	1436
158	1.75	1	171	171	299	299	1.08	276	1437
313	1.49	6	986	164	1,469	245	3.15	466	1437
251	1.55	1	146	146	228	228	0.58	392	1438
313	.80	1	329	329	263	263	1.05	250	1439
365	4.66	1	365	365	1,700	1,700	1.00	1,700	1440
91	1.35½	1	106	106	143	143	1.16	123	1441
168	3.50	1	177	177	618	618	1.05	587	1442
155	2.87½	1	155	155	450	450	1.00	450	1443
313	.76½	1	302	302	231	231	0.96	239	1444
78	1.21½	1	78	78	95	95	1.00	95	1445
313	2.21	1	313	313	692	692	1.00	692	1446
313	.67	1	141	141	94	94	0.45	209	1447
48	1.09½	1	48	48	53	53	1.00	53	1448
53	1.82½	1	48	48	83	88	0.91	97	1449
99	1.46	1	99	99	145	145	1.00	145	1450
202	5.22½	2	392	196	2,048	1,024	1.94	1,055	1451
78	3.22½	1	74	74	237	237	0.95	250	1452
313	7.06	2	626	313	4,420	2,210	2.00	2,210	1453
92	1.89	2	184	92	348	174	2.00	174	1454
48	1.21½	1	48	48	58	58	1.00	58	1455
53	(a)	3	(a)	(a)	282	94	(a)	(a)	1456
313	1.83½	3	911	304	1,670	557	2.91	574	1457
313	2.12½	5	1,154	231	2,455	491	3.69	666	1458
313	2.65	1	257	257	681	681	0.82	829	1459
53	1.62	1	48	48	78	78	0.91	86	1460
91	.99	1	91	91	90	90	1.00	90	1461
132	4.49	2	202	101	907	454	1.53	593	1462
313	.80½	4	1,308	327	1,055	264	4.18	252	1463
99	1.21½	4	396	99	482	121	4.00	121	1464
286	4.09	1	286	286	1,170	1,170	1.00	1,170	1465
77	.97	4	287	72	279	70	3.72	75	1466
313	1.58	2	626	313	988	494	2.00	494	1467
92	1.65	2	184	92	304	152	2.00	152	1468
48	1.30	2	96	48	125	63	2.00	63	1469
48	1.46	1	48	48	70	70	1.00	70	1470
53	1.42	1	48	48	68	68	0.91	75	1471
77	1.66½	2	160	80	266	133	2.08	128	1472
92	1.58½	1	92	92	145	145	1.00	145	1473
99	3.54	1	99	99	350	350	1.00	350	1474
48	2.84	1	48	48	136	136	1.00	136	1475
53	1.94½	1	48	48	93	93	0.91	103	1476
77	1.81½	3	230	77	417	139	2.99	140	1477
78	3.37½	1	60	60	203	203	0.77	264	1478
313	1.80½	3	939	313	1,653	564	3.00	564	1479
168	2.65½	1	124	124	329	329	0.74	446	1480
144	2.25	1	143	143	322	322	0.99	324	1481
313	4.25	1	306	306	1,300	1,300	0.98	1,330	1482
313	4.07	1	138	138	562	562	0.44	1,275	1483
53	(a)	2	(a)	(a)	143	72	(a)	(a)	1484
365	1.64½	2	358	179	588	294	0.98	599	1485
251	1.55	1	96	96	147	147	0.38	384	1486
313	1.25	1	61	61	76	76	0.19	390	1487
92	1.33½	1	3	3	4	4	0.03	123	1488
313	.60½	1	41	41	25	25	0.13	191	1489
77	1.16	2	145	73	168	84	1.88	89	1490
313	4.07½	1	313	313	1,276	1,276	1.00	1,276	1491
313	1.82½	1	313	313	571	571	1.00	571	1492
168	2.50	1	185	185	461	461	1.10	419	1493
313	4.43½	1	307	307	1,362	1,362	0.98	1,389	1494
365	1.55	1	176	176	273	273	0.48	566	1495

α Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Marginal number.	Establishment number.	Occupation.	Industry.	Locality.
1497	42	Foremen and miners.....	Iron ore .....	United States.....
1498	59	..do .....	Iron ore .....	United States.....
1499	10	Foreman and weighman.....	Pig iron .....	Northern district, U. S. .....
1500		Forge cleaners.....	Mixed iron and steel..	United States.....
1501	36	Forge sweepers and roll scalers.....	Muck bar iron.....	Great Britain.....
1502		Forgers.....	Steel billets .....	United States.....
1503		Forkers.....	Mixed iron and steel..	Great Britain.....
1504	19	..do .....	Coke .....	United States.....
1505	23	..do .....	Coke .....	United States.....
1506		..do .....	Coke .....	Continent of Europe.....
1507	10	Founders.....	Pig iron .....	Northern district, U. S. .....
1508	101	..do .....	Pig iron .....	Southern district, U. S. .....
1509	109	..do .....	Pig iron .....	Southern district, U. S. .....
1510		..do .....	Mixed iron and steel..	Continent of Europe.....
1511		Furnace helpers .....	Steel billets .....	United States.....
1512		Gaggers .....	Mixed iron and steel..	Great Britain.....
1513		..do .....	Mixed iron and steel..	Great Britain.....
1514		Gaggers and laborers.....	Mixed iron and steel..	Great Britain.....
1515		Gagger and straightener.....	Mixed iron and steel..	Great Britain.....
1516	156	Gallery cutters.....	Bituminous coal .....	Continent of Europe.....
1517		..do .....	Bituminous coal .....	Continent of Europe.....
1518	156	Gallery cutter and miner .....	Bituminous coal .....	Continent of Europe.....
1519	156	Gallery cutters' helpers.....	Bituminous coal .....	Continent of Europe.....
1520	156	Gallery repairers.....	Bituminous coal .....	Continent of Europe.....
1521	156	Gallery repairer and miner .....	Bituminous coal .....	Continent of Europe.....
1522		Gas producers.....	Mixed iron and steel..	Great Britain.....
1523		..do .....	Mixed iron and steel..	Great Britain.....
1524		Gas reversers.....	Mixed iron and steel..	Great Britain.....
1525		Gas tender.....	Mixed iron and steel..	Great Britain.....
1526		Gasfitter .....	Mixed iron and steel..	Great Britain.....
1527		Gasfitters' helper .....	Mixed iron and steel..	Great Britain.....
1528	5	Gasmakers .....	Steel ingots .....	United States.....
1529	7	..do .....	Steel ingots .....	United States.....
1530		..do .....	Mixed iron and steel..	United States.....
1531		Gasmaker and hammerman .....	Mixed iron and steel..	United States.....
1532		Gasmaker and neatens' helper .....	Mixed iron and steel..	United States.....
1533		Gasmaker and laborer.....	Mixed iron and steel..	United States.....
1534	5	Gasmakers' helpers .....	Steel ingots .....	United States.....
1535	7	..do .....	Steel ingots .....	United States.....
1536	7	Gasmakers' helper and ladle liner .....	Steel ingots .....	United States.....
1537	7	Gasmakers' helper and pit cleaner .....	Steel ingots .....	United States.....
1538	7	Gasmakers' helper and stopper setter.....	Steel ingots .....	United States.....
1539	7	Gasmakers' helper and tongman .....	Steel ingots .....	United States.....
1540		Gasman.....	Steel blooms.....	United States.....
1541		Gasman's helper .....	Steel blooms.....	United States.....
1542		Gate men.....	Mixed iron and steel..	United States.....
1543		..do .....	Mixed iron and steel..	United States.....
1544		..do .....	Mixed iron and steel..	United States.....
1545		Gaugers .....	Mixed iron and steel..	Great Britain.....
1546		..do .....	Mixed iron and steel..	Great Britain.....
1547	109	Graders.....	Pig iron .....	Southern district, U. S. .....
1548	114	..do .....	Pig iron .....	Southern district, U. S. .....
1549		Grader, track .....	Bituminous coal .....	United States.....
1550	7	Greasers.....	Steel ingots .....	United States.....
1551		..do .....	Steel ingots .....	Continent of Europe.....
1552		..do .....	Steel blooms.....	United States.....
1553		..do .....	Mixed iron and steel..	United States.....
1554		..do .....	Mixed iron and steel..	Continent of Europe.....
1555		..do .....	Mixed iron and steel..	Continent of Europe.....
1556		..do .....	Mixed iron and steel..	Great Britain.....
1557		..do .....	Bituminous coal .....	United States.....
1558	170	..do .....	Bituminous coal .....	Great Britain.....
1559		Grinders .....	Steel ingots .....	Continent of Europe.....
1560		..do .....	Mixed iron and steel..	Great Britain.....
1561		..do .....	Mixed iron and steel..	Great Britain.....
1562	7	Grinders' helpers.....	Steel ingots .....	United States.....
1563	7	Grinders' helper and ladle racker.....	Steel ingots .....	United States.....
1564	7	Grinders' helper and metal wheeler.....	Steel ingots .....	United States.....
1565	36	Grinding fettlers .....	Muck bar iron.....	Great Britain.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.47	1	284	284	\$418	\$418	0.91	\$461	1497
313	1.33	1	259	259	345	345	0.83	417	1498
365	1.85½	1	189	189	351	351	0.52	678	1499
313	1.25	3	844	281	1,088	363	2.70	403	1500
99	.74	1	183	92	135	68	1.85	73	1501
202	2.00	2	3	2	6	3	0.01	404	1502
156	1.74½	9	1,014	113	1,767	196	6.49	272	1503
313	1.46	16	707	44	1,031	64	2.26	456	1504
313	1.00	29	2,648	91	2,651	91	8.46	313	1505
365	.68½	3	1,007	336	690	230	2.76	250	1506
365	6.78	1	59	59	400	400	0.16	2,475	1507
184	3.91½	2	366	183	1,433	717	1.99	720	1508
365	4.52	1	366	366	1,650	1,650	1.00	1,645	1509
313	1.08½	1	323	323	350	350	1.03	339	1510
202	2.25	2	4	2	9	5	0.02	455	1511
48	(a)	12	(a)	(a)	371	31	(a)	(a)	1512
53	(a)	12	(a)	(a)	587	49	(a)	(a)	1513
48	.53	2	79	40	42	21	1.65	26	1514
53	(a)	1	(a)	(a)	97	97	(a)	(a)	1515
77	1.01	78	3,394	44	3,427	44	44.08	78	1516
52	.95	6	285	48	271	45	5.48	49	1517
77	1.00	1	74	74	74	74	0.96	77	1518
77	.50½	64	2,854	45	1,448	23	37.06	39	1519
77	.91½	40	1,143	29	1,043	26	14.84	70	1520
77	.94½	1	19	19	18	18	0.25	73	1521
156	1.09½	2	143	72	157	79	0.92	171	1522
53	.63	16	960	60	615	38	18.11	34	1523
53	.50½	2	119	60	59	30	2.25	26	1524
48	.71	1	48	48	34	34	1.00	34	1525
156	.97½	1	180	180	178	178	1.15	154	1526
156	.81	1	166	166	140	140	1.06	132	1527
132	2.50	2	299	150	748	374	2.27	330	1528
230	2.00	2	440	220	872	436	1.91	456	1529
155	1.60½	10	696	70	1,118	112	4.49	249	1530
155	3.03	1	31	31	94	94	0.20	470	1531
155	2.40½	1	52	52	125	125	0.34	373	1532
155	1.38½	1	13	13	18	18	0.08	215	1533
132	1.60	4	305	76	493	123	2.31	213	1534
230	1.66	3	395	132	654	218	1.72	381	1535
230	1.90	1	40	40	76	76	0.17	437	1536
230	1.73½	1	38	38	66	66	0.17	399	1537
230	1.82½	1	74	74	135	135	0.32	420	1538
230	2.66½	1	15	15	40	40	0.07	613	1539
230	2.00	1	14	14	28	28	0.06	460	1540
230	1.65	1	13	13	21	21	0.06	372	1541
313	1.40	4	1,159	290	1,635	409	3.70	442	1542
155	1.50	1	176	176	264	264	1.14	233	1543
313	1.00	3	691	230	697	232	2.21	316	1544
48	.35½	4	146	37	54	14	3.04	18	1545
53	.40½	2	81	41	33	17	1.53	22	1546
365	1.25	1	296	296	371	371	0.81	457	1547
365	1.10	2	223	112	245	123	0.61	401	1548
313	1.50	1	67	67	101	101	0.21	472	1549
230	1.85	4	538	135	993	248	2.34	425	1550
78	.53½	7	433	62	231	33	5.56	42	1551
132	1.80	2	303	152	552	276	2.30	240	1552
168	1.47	2	53	27	78	39	0.32	247	1553
313	.72½	1	274	274	199	199	0.88	227	1554
313	.36½	9	1,422	158	517	57	4.54	114	1555
48	.53	5	267	53	141	28	5.57	25	1556
313	.81½	2	230	115	187	94	0.73	254	1557
91	1.10½	2	153	77	169	85	1.68	101	1558
27	.68½	6	104	17	71	12	3.85	18	1559
48	(a)	1	(a)	(a)	48	48	(a)	(a)	1560
53	(a)	11	(a)	(a)	448	41	(a)	(a)	1561
230	1.65	6	524	87	859	143	2.28	377	1562
230	1.71	1	222	222	380	380	0.97	394	1563
230	2.36½	1	180	180	426	426	0.78	544	1564
99	.75	2	280	140	209	105	2.83	74	1565

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1566	170	Guards.	Bituminous coal	Great Britain
1567		Guides	Steel billets	United States
1568		Guides and tongsmen	Steel billets	United States
1569		Guide and transmitter	Steel billets	United States
1570		Guillotine tenders	Mixed iron and steel	Great Britain
1571	84	Guttermen	Pig iron	Northern district, U. S.
1572		do	Mixed iron and steel	Continent of Europe
1573		Hammer drivers	Steel billets	United States
1574		do	Mixed iron and steel	United States
1575		do	Mixed iron and steel	United States
1576		Hammer lifter	Mixed iron and steel	Continent of Europe
1577		Hammer tenders	Mixed iron and steel	Continent of Europe
1578		do	Mixed iron and steel	Continent of Europe
1579		Hammermen	Steel rails	Continent of Europe
1580		do	Mixed iron and steel	United States
1581		do	Mixed iron and steel	United States
1582		do	Mixed iron and steel	Continent of Europe
1583		do	Mixed iron and steel	Great Britain
1584		do	Mixed iron and steel	Great Britain
1585		Hammormen and heaters' helper	Mixed iron and steel	United States
1586		Hammerman and laborer	Mixed iron and steel	United States
1587		Hammermen's helpers	Mixed iron and steel	United States
1588		Hammermen's helpers and laborers	Mixed iron and steel	United States
1589		Hammermen's helpers	Mixed iron and steel	Continent of Europe
1590		do	Mixed iron and steel	Continent of Europe
1591	170	Hangers-on	Bituminous coal	Great Britain
1592	37	Haulers	Pig iron	Great Britain
1593		do	Mixed iron and steel	Great Britain
1594		do	Mixed iron and steel	Great Britain
1595	55	do	Bituminous coal	United States
1596		do	Bituminous coal	United States
1597	156	do	Bituminous coal	Continent of Europe
1598		Haulers and laborers	Bituminous coal	United States
1599		Haulers and miners	Bituminous coal	United States
1600		Hauler and switchman	Bituminous coal	United States
1601	55	Haulers and track layers	Bituminous coal	United States
1602		Hauler and trammer	Bituminous coal	United States
1603	55	Hauler and trimmer	Bituminous coal	United States
1604		Hauler and water boiler	Bituminous coal	United States
1605		Head cutters	Bituminous coal	United States
1606		Head cutters and miners	Bituminous coal	United States
1607		Heaters	Mixed iron and steel	United States
1608	8	Heaters	Finished bar iron	United States
1609	9	do	Finished bar iron	United States
1610	29	do	Finished bar iron	Great Britain
1611		do	Steel ingots	Continent of Europe
1612		do	Steel billets	United States
1613		do	Steel blooms	United States
1614		do	Steel blooms	United States
1615		do	Steel rails	Continent of Europe
1616		do	Steel rails	Continent of Europe
1617		do	Mixed iron and steel	United States
1618		do	Mixed iron and steel	United States
1619		do	Mixed iron and steel	United States
1620		do	Mixed iron and steel	United States
1621		do	Mixed iron and steel	United States
1622		do	Mixed iron and steel	United States
1623		do	Mixed iron and steel	United States
1624		do	Mixed iron and steel	United States
1625		do	Mixed iron and steel	United States
1626		do	Mixed iron and steel	Continent of Europe
1627		do	Mixed iron and steel	Continent of Europe
1628		do	Mixed iron and steel	Continent of Europe
1629		do	Mixed iron and steel	Continent of Europe
1630		do	Mixed iron and steel	Continent of Europe
1631		do	Mixed iron and steel	Great Britain
1632		do	Mixed iron and steel	Great Britain
1633		do	Mixed iron and steel	Great Britain

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
91	\$1.00 $\frac{1}{2}$	2	153	77	\$154	\$77	1.68	\$02	1566
202	1.84 $\frac{1}{2}$	9	96	11	177	20	0.47	372	1567
202	2.03	2	32	17	67	34	0.16	410	1568
202	2.04 $\frac{1}{2}$	1	115	115	235	235	0.57	413	1569
48	.60 $\frac{1}{2}$	7	305	44	185	26	0.36	29	1570
122	1.40	4	420	105	588	147	3.44	171	1571
313	.54	1	308	308	166	166	0.98	169	1572
202	2.63 $\frac{1}{2}$	4	253	63	667	167	1.25	533	1573
155	1.60	1	119	119	189	189	0.77	246	1574
313	(a)	5	(a)	(a)	2,806	561	(a)	(a)	1575
313	.50	1	302	302	150	150	0.96	155	1576
313	.85 $\frac{1}{2}$	6	1,840	307	1,575	263	5.88	268	1577
313	.45 $\frac{1}{2}$	1	356	356	163	163	1.14	143	1578
77	1.05 $\frac{1}{2}$	3	197	60	208	69	2.56	81	1579
155	5.50	1	114	114	629	629	0.74	855	1580
313	(a)	4	(a)	(a)	4,414	1,104	(a)	(a)	1581
77	1.02	3	205	68	209	70	2.66	79	1582
48	.55	5	245	49	134	27	5.10	26	1583
156	.97 $\frac{1}{2}$	2	316	158	308	154	2.03	152	1584
155	1.45 $\frac{1}{2}$	1	136	136	198	198	0.88	226	1585
155	1.40	1	130	130	182	182	0.84	217	1586
155	1.71 $\frac{1}{2}$	3	230	77	395	132	1.48	266	1587
155	2.04 $\frac{1}{2}$	2	130	65	266	133	0.84	317	1588
313	1.02 $\frac{1}{2}$	11	2,180	198	2,230	203	6.97	320	1589
313	.56 $\frac{1}{2}$	2	727	364	411	206	2.32	177	1590
91	1.14 $\frac{1}{2}$	2	89	45	104	52	0.98	106	1591
91	.54 $\frac{1}{2}$	6	544	91	298	50	5.98	50	1592
48	.50	13	562	43	281	22	11.72	24	1593
53	.48	9	420	47	201	22	7.92	25	1594
313	1.84	5	267	53	491	98	0.85	576	1595
313	(a)	161	(a)	(a)	8,753	54	(a)	(a)	1596
77	.29	2	143	72	41	21	1.86	22	1597
313	(a)	13	(a)	(a)	1,464	113	(a)	(a)	1598
313	(a)	27	(a)	(a)	4,022	149	(a)	(a)	1599
313	1.50	1	2	2	3	3	0.01	470	1600
313	2.06	3	604	201	1,243	414	1.93	644	1601
313	2.15	1	241	241	518	518	0.77	873	1602
313	1.49 $\frac{1}{2}$	1	69	69	103	103	0.22	467	1603
313	.55	1	62	62	34	34	0.20	172	1604
365	(a)	12	(a)	(a)	1,074	90	(a)	(a)	1605
305	(a)	17	(a)	(a)	6,854	403	(a)	(a)	1606
168	1.69 $\frac{1}{2}$	4	362	91	722	181	2.15	235	1607
290	5.05 $\frac{1}{2}$	7	1,521	217	7,088	1,098	5.08	1,511	1608
286	7.03	2	472	236	3,318	1,659	1.65	2,010	1609
90	2.05 $\frac{1}{2}$	16	1,302	81	2,676	167	13.15	203	1610
27	.77	2	26	13	20	10	0.96	21	1611
202	2.94	13	1,531	118	4,499	346	7.58	594	1612
132	5.21 $\frac{1}{2}$	5	442	88	2,305	461	3.35	688	1613
230	7.42	2	367	184	2,724	1,362	1.59	1,707	1614
77	1.09	6	401	67	437	73	5.21	84	1615
78	1.56	10	559	56	873	87	7.17	122	1616
313	(a)	11	(a)	(a)	5,263	478	(a)	(a)	1617
286	(a)	20	(a)	(a)	13,148	657	(a)	(a)	1618
286	(a)	7	(a)	(a)	2,878	411	(a)	(a)	1619
313	5.64 $\frac{1}{2}$	25	4,235	169	23,911	956	13.51	1,767	1620
287	6.91	9	1,997	222	13,804	1,534	6.95	1,984	1621
168	(a)	17	(a)	(a)	2,491	147	(a)	(a)	1622
155	3.84 $\frac{1}{2}$	15	654	44	2,515	168	4.22	596	1623
313	(a)	24	(a)	(a)	19,538	814	(a)	(a)	1624
313	4.37 $\frac{1}{2}$	10	1,696	170	7,421	742	5.43	1,370	1625
77	1.12 $\frac{1}{2}$	5	261	52	293	59	3.39	86	1626
313	.91 $\frac{1}{2}$	51	12,308	232	11,258	212	39.32	286	1627
92	1.16 $\frac{1}{2}$	35	1,767	50	2,056	59	19.21	107	1628
313	.55	64	13,842	216	7,635	119	44.22	173	1629
79	1.34 $\frac{1}{2}$	10	653	65	879	88	8.27	106	1630
48	(a)	69	(a)	(a)	2,505	36	(a)	(a)	1631
156	(a)	7	(a)	(a)	2,220	317	(a)	(a)	1632
53	(a)	20	(a)	(a)	1,140	57	(a)	(a)	1633

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1634		Heaters and heaters' helpers.....	Mixed iron and steel..	United States.....
1635		do .....	Mixed iron and steel..	United States.....
1636		do .....	Mixed iron and steel..	United States.....
1637		Heater and hooker .....	Mixed iron and steel..	United States.....
1638		Heaters and laborers .....	Mixed iron and steel..	United States.....
1639		do .....	Mixed iron and steel..	United States.....
1640		do .....	Mixed iron and steel..	United States.....
1641		Heater and roller .....	Mixed iron and steel..	United States.....
1642		Heater and rougher .....	Mixed iron and steel..	United States.....
1643	8	Heaters' helpers .....	Finished bar iron.....	United States.....
1644	9	do .....	Finished bar iron.....	United States.....
1645	29	do .....	Finished bar iron.....	Great Britain.....
1646		do .....	Steel billets.....	United States.....
1647		do .....	Steel blooms.....	United States.....
1648		do .....	Steel blooms.....	United States.....
1649		do .....	Steel rails .....	Continent of Europe.....
1650		do .....	Steel rails .....	Continent of Europe.....
1651		do .....	Mixed iron and steel..	United States.....
1652		do .....	Mixed iron and steel..	United States.....
1653		do .....	Mixed iron and steel..	United States.....
1654		do .....	Mixed iron and steel..	United States.....
1655		do .....	Mixed iron and steel..	United States.....
1656		do .....	Mixed iron and steel..	United States.....
1657		do .....	Mixed iron and steel..	United States.....
1658		do .....	Mixed iron and steel..	United States.....
1659		do .....	Mixed iron and steel..	Continent of Europe.....
1660		do .....	Mixed iron and steel..	Continent of Europe.....
1661		do .....	Mixed iron and steel..	Great Britain.....
1662		do .....	Mixed iron and steel..	Great Britain.....
1663		Heaters' helper and hooker.....	Steel billets.....	United States.....
1664		Heaters' helpers and laborers .....	Mixed iron and steel..	United States.....
1665		do .....	Mixed iron and steel..	United States.....
1666		do .....	Mixed iron and steel..	United States.....
1667		Heaters' helper and lighter-up .....	Steel billets.....	United States.....
1668		Heaters' helpers and pilers .....	Mixed iron and steel..	United States.....
1669		Heaters' helper and puddlers' helper.....	Mixed iron and steel..	United States.....
1670		Heaters' helper and scrappers' helper .....	Mixed iron and steel..	United States.....
1671		Heaters' helper and tongsman .....	Steel billets.....	United States.....
1672		Heaters' helpers and transmitters.....	Steel billets.....	United States.....
1673		Heaters-up .....	Mixed iron and steel..	United States.....
1674	9	Helpers .....	Pig iron .....	Northern district, U. S.....
1675	32	do .....	Pig iron .....	Northern district, U. S.....
1676	42	do .....	Pig iron .....	Northern district, U. S.....
1677	49	do .....	Pig iron .....	Northern district, U. S.....
1678	67	do .....	Pig iron .....	Northern district, U. S.....
1679	83	do .....	Pig iron .....	Northern district, U. S.....
1680	103	do .....	Pig iron .....	Northern district, U. S.....
1681	37	do .....	Pig iron .....	Southern district, U. S.....
1682		do .....	Pig iron .....	Great Britain.....
1683		do .....	Mixed iron and steel..	United States.....
1684		do .....	Mixed iron and steel..	United States.....
1685	7	Helper, lamp .....	Mixed iron and steel..	Continent of Europe.....
1686	9	Helpers and laborers .....	Muck bar iron.....	United States.....
1687	32	do .....	Pig iron .....	Northern district, U. S.....
1688	42	do .....	Pig iron .....	Northern district, U. S.....
1689		do .....	Pig iron .....	Northern district, U. S.....
1690	9	Helper and metal carrier .....	Mixed iron and steel..	United States.....
1691	58	Helper and moulder .....	Pig iron .....	Northern district, U. S.....
1692	9	Helper and ore piler.....	Pig iron .....	Northern district, U. S.....
1693		Helpers .....	Pig iron .....	Northern district, U. S.....
1694		do .....	Mixed iron and steel..	Great Britain.....
1695	67	Hoisters .....	Mixed iron and steel..	Great Britain.....
1696	109	do .....	Pig iron .....	Northern district, U. S.....
1697		Holders-up .....	Pig iron .....	Southern district, U. S.....
1698		Hookers .....	Mixed iron and steel..	Great Britain.....
1699		do .....	Steel billets.....	United States.....
1700		do .....	Mixed iron and steel..	United States.....
1701		do .....	Mixed iron and steel..	United States.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	(a)	1	(a)	(a)	\$42	\$42	(a)	(a)	1634
313	\$4.16½	5	909	182	3,787	757	2.91	\$1,304	1635
155	2.48	1	56	56	139	139	0.36	385	1636
313	(a)	1	(a)	(a)	284	284	(a)	(a)	1637
313	(a)	1	(a)	(a)	148	148	(a)	(a)	1638
168	1.32	1	100	100	132	132	0.60	222	1639
155	2.41½	2	191	96	461	231	1.24	374	1640
343	(a)	1	(a)	(a)	212	212	(a)	(a)	1641
286	(a)	1	(a)	(a)	35	35	(a)	(a)	1642
299	1.20½	7	1,703	243	2,056	294	5.69	361	1643
236	2.66½	6	1,338	223	3,568	595	4.68	763	1644
99	1.09½	10	800	80	875	88	8.08	108	1645
202	2.05½	20	1,923	96	3,952	198	9.52	415	1646
132	3.31½	5	409	82	1,355	271	3.10	437	1647
230	4.53	4	876	219	3,967	992	3.81	1,042	1648
77	.74½	4	214	61	182	46	3.17	57	1649
78	.82½	38	1,711	45	1,409	37	21.93	64	1650
313	(a)	5	(a)	(a)	559	112	(a)	(a)	1651
286	(a)	5	(a)	(a)	1,706	341	(a)	(a)	1652
286	(a)	9	(a)	(a)	1,697	189	(a)	(a)	1653
313	2.19½	30	4,010	134	8,795	293	12.82	686	1654
287	1.30	1	278	278	374	374	0.97	386	1655
155	1.70½	25	790	32	1,345	54	5.09	264	1656
313	(a)	9	(a)	(a)	4,348	483	(a)	(a)	1657
313	2.25	14	2,347	168	5,276	377	7.49	704	1658
313	.42	8	1,940	243	810	101	6.20	131	1659
92	.70½	47	2,399	51	1,686	36	26.07	65	1660
156	.48½	6	616	108	314	52	4.14	76	1661
53	(a)	19	(a)	(a)	556	29	(a)	(a)	1662
202	2.47½	1	99	99	245	245	0.49	500	1663
313	1.85	5	784	157	1,450	290	2.50	579	1664
155	1.51	2	63	32	95	48	0.41	234	1665
313	1.66½	2	246	123	409	205	0.79	520	1666
202	1.87½	1	57	57	107	107	0.28	379	1667
313	1.79	2	460	230	823	412	1.47	560	1668
313	2.15½	1	141	141	304	304	0.45	675	1669
155	1.11	1	37	37	41	41	0.24	172	1670
202	2.28	1	85	85	194	194	0.42	461	1671
202	2.17	2	122	61	265	133	0.60	439	1672
287	1.89	4	489	122	923	231	1.70	542	1673
365	2.49	9	468	52	1,165	129	1.28	909	1674
365	1.65	8	1,905	238	3,116	390	5.22	597	1675
365	1.65	9	2,452	272	4,061	451	6.72	605	1676
365	1.46½	7	1,358	194	1,989	284	3.72	535	1677
365	1.65	8	1,848	231	3,047	381	5.06	602	1678
92	1.45½	4	360	90	524	131	3.91	134	1679
365	1.25	13	907	70	1,136	87	2.48	457	1680
91	.75½	31	2,060	66	1,555	50	22.63	69	1681
286	1.77½	36	3,095	86	5,490	153	10.83	507	1682
287	1.87½	1	8	8	15	15	0.03	538	1683
313	.35½	103	13,440	131	4,788	46	42.94	112	1684
155	1.50	1	16	16	24	24	0.10	233	1685
365	2.02	8	1,246	156	2,517	315	3.42	737	1686
365	1.48	2	81	41	120	60	0.22	541	1687
365	1.42½	1	330	330	470	470	0.90	520	1688
313	1.70½	2	142	71	242	121	0.45	533	1689
365	2.38½	1	232	232	553	553	0.64	870	1690
365	1.72	1	347	347	597	597	0.95	628	1691
365	1.87½	1	8	8	15	15	0.02	684	1692
48	.63	1	30	30	19	19	0.63	30	1693
53	.63	1	48	48	30	30	0.91	33	1694
365	1.80	1	332	332	595	595	0.91	654	1695
365	1.45	1	308	308	447	447	0.84	530	1696
156	2.37½	5	598	120	1,419	284	3.83	370	1697
202	2.70½	11	741	67	2,003	182	3.67	516	1698
313	1.25½	17	1,523	90	1,913	113	4.86	393	1699
155	1.62	13	254	20	412	32	1.64	251	1700
313	1.54	8	504	168	776	259	1.61	482	1701

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1702		Hookers—concluded .....	Mixed iron and steel..	Continent of Europe....
1703		do .....	Mixed iron and steel..	Continent of Europe....
1704		do .....	Mixed iron and steel..	Great Britain.....
1705		do .....	Mixed iron and steel..	Great Britain.....
1706		Hookers, tumble .....	Steel billets.....	United States.....
1707	7	Hookers and laborers.....	Steel ingots.....	United States.....
1708		do .....	Mixed iron and steel..	United States.....
1709		do .....	Mixed iron and steel..	United States.....
1710		Hookers' and puddlers' helpers .....	Mixed iron and steel..	United States.....
1711		Hooker and rollers' helper .....	Mixed iron and steel..	Continent of Europe....
1712		Hooker and rougher .....	Mixed iron and steel..	United States.....
1713		Hooker and rougher-down .....	Mixed iron and steel..	United States.....
1714		Hooker and screwman .....	Steel billets.....	United States.....
1715		Hookers and straighteners.....	Mixed iron and steel..	United States.....
1716		Hookers and tongsmen .....	Steel billets.....	United States.....
1717	29	Hookers-in .....	Finished bar iron.....	Great Britain.....
1718		do .....	Mixed iron and steel..	United States.....
1719		do .....	Mixed iron and steel..	United States.....
1720	96	Hookers-on .....	Bituminous coal.....	United States.....
1721	107	do .....	Bituminous coal.....	United States.....
1722		Hookers-out .....	Mixed iron and steel..	United States.....
1723		Hooker-out and laborer .....	Mixed iron and steel..	United States.....
1724	7	Hookers-up .....	Muck bar iron.....	United States.....
1725	9	do .....	Muck bar iron.....	United States.....
1726	17	do .....	Muck bar iron.....	United States.....
1727	26	do .....	Muck bar iron.....	United States.....
1728		do .....	Steel blooms .....	United States.....
1729		do .....	Steel rails.....	Continent of Europe....
1730		do .....	Steel rails.....	Continent of Europe....
1731		do .....	Mixed iron and steel..	United States.....
1732		do .....	Mixed iron and steel..	United States.....
1733		do .....	Mixed iron and steel..	United States.....
1734		do .....	Mixed iron and steel..	United States.....
1735		do .....	Mixed iron and steel..	United States.....
1736		do .....	Mixed iron and steel..	United States.....
1737		do .....	Mixed iron and steel..	United States.....
1738		do .....	Mixed iron and steel..	United States.....
1739		do .....	Mixed iron and steel..	Continent of Europe....
1740		do .....	Mixed iron and steel..	Continent of Europe....
1741		do .....	Mixed iron and steel..	Continent of Europe....
1742		Hookers-up and laborers.....	Mixed iron and steel..	United States.....
1743		do .....	Mixed iron and steel..	United States.....
1744		do .....	Mixed iron and steel..	United States.....
1745		Hooker-up and piler .....	Mixed iron and steel..	United States.....
1746		Hookers-up and roughers.....	Mixed iron and steel..	United States.....
1747		do .....	Mixed iron and steel..	United States.....
1748		Hooker-up and straightener .....	Mixed iron and steel..	United States.....
1749		Horsemen .....	Pig iron .....	Great Britain.....
1750	29	do .....	Finished bar iron.....	Great Britain.....
1751	170	do .....	Bituminous coal.....	Great Britain.....
1752	170	Horseshoer .....	Bituminous coal.....	Great Britain.....
1753	58	Hostlers .....	Pig iron .....	Northern district, U. S.
1754		do .....	Mixed iron and steel..	Continent of Europe....
1755	107	do .....	Bituminous coal.....	United States.....
1756	32	Hostlers and laborers.....	Pig iron .....	Northern district, U. S.
1757	109	do .....	Pig iron .....	Southern district, U. S.
1758		Hot pilers .....	Mixed iron and steel..	Continent of Europe....
1759		Hot-bank men .....	Mixed iron and steel..	Great Britain.....
1760		do .....	Mixed iron and steel..	Great Britain.....
1761		Hot-bed hands .....	Steel rails.....	Continent of Europe....
1762		do .....	Steel rails.....	Continent of Europe....
1763		do .....	Mixed iron and steel..	Continent of Europe....
1764	49	Hot-blast men .....	Pig iron .....	Northern district, U. S.
1765	55	do .....	Pig iron .....	Northern district, U. S.
1766	103	do .....	Pig iron .....	Southern district, U. S.
1767	109	do .....	Pig iron .....	Southern district, U. S.
1768	30	do .....	Pig iron .....	Great Britain.....
1769	37	do .....	Pig iron .....	Great Britain.....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$0.63	16	3,886	243	\$2,450	\$153	12.41	\$197	1702
313	.63	40	9,989	250	6,275	157	31.91	197	1703
48	.46	37	1,132	31	521	14	23.60	22	1704
53	.59	6	321	54	189	32	6.05	31	1705
202	3.46½	5	430	86	1,491	298	2.13	700	1706
251	2.05½	1	19	19	39	39	0.08	515	1707
313	1.57½	1	104	104	164	164	0.33	494	1708
155	1.43	2	37	19	53	27	0.24	222	1709
313	(a)	2	(a)	(a)	94	47	(a)	(a)	1710
313	.62	1	209	209	130	130	0.67	195	1711
313	1.50	1	2	2	3	3	0.01	470	1712
155	2.30	1	50	50	115	115	0.32	357	1713
202	2.27½	1	69	69	157	157	0.34	460	1714
313	1.01½	4	564	141	573	143	1.80	318	1715
202	2.51½	2	200	100	503	252	0.99	508	1716
59	.97½	2	191	96	187	94	1.95	97	1717
155	1.79½	2	98	49	170	85	0.63	269	1718
313	2.14	5	1,047	209	2,240	448	3.35	670	1719
313	.84½	4	137	34	116	29	0.44	265	1720
313	1.43	2	286	143	409	205	0.92	448	1721
155	1.95½	4	128	32	250	63	0.83	303	1722
155	1.44½	1	45	45	65	65	0.29	224	1723
143	1.27	12	411	34	521	43	2.88	181	1724
286	2.16	2	446	223	964	482	1.56	618	1725
286	2.60	2	298	149	792	396	1.04	760	1726
286	1.75	2	300	195	683	342	1.36	501	1727
230	4.20½	14	1,933	138	8,132	581	8.40	968	1728
77	.86	5	334	67	287	57	4.34	66	1729
78	.85½	44	2,317	53	1,984	45	29.71	67	1730
286	1.04½	14	1,564	112	2,570	184	5.47	470	1731
286	(a)	2	(a)	(a)	294	147	(a)	(a)	1732
313	1.67	18	2,398	133	4,010	223	7.66	523	1733
287	1.70	5	1,159	232	1,970	394	4.04	488	1734
168	(a)	8	(a)	(a)	594	74	(a)	(a)	1735
155	1.66½	1	18	18	30	30	0.12	258	1736
313	(a)	3	(a)	(a)	2,031	677	(a)	(a)	1737
313	2.00	4	970	243	1,940	485	3.10	626	1738
77	.48½	4	289	72	134	34	3.75	36	1739
92	.55½	41	1,515	37	839	20	16.47	51	1740
79	.55½	14	843	60	467	33	10.67	44	1741
286	(a)	1	(a)	(a)	138	138	(a)	(a)	1742
313	1.18½	2	246	123	291	146	0.79	370	1743
155	1.46	1	24	24	35	35	0.15	226	1744
313	1.55½	1	9	9	14	14	0.03	487	1745
286	(a)	1	(a)	(a)	172	172	(a)	(a)	1746
313	2.01½	3	437	146	881	294	1.40	631	1747
313	1.50	1	198	198	297	297	0.63	470	1748
135	.81	1	132	132	107	107	0.98	109	1749
99	.92	2	224	112	206	103	2.26	91	1750
91	.96½	13	995	77	959	74	10.93	88	1751
91	1.05	1	78	78	82	82	0.86	96	1752
365	1.45	1	362	362	526	526	0.99	530	1753
313	1.40	1	347	347	139	139	1.11	125	1754
313	1.50	1	116	116	173	173	0.37	497	1755
305	1.60	1	366	366	585	585	1.00	583	1756
365	1.07	1	84	84	90	90	0.23	391	1757
92	.44	5	292	58	130	26	3.17	41	1758
48	.39½	32	1,261	39	495	15	26.28	10	1759
53	(a)	20	(a)	(a)	644	32	(a)	(a)	1760
77	.84	2	124	62	104	52	1.61	65	1761
78	.57½	16	1,020	64	586	37	13.08	45	1762
77	.42	2	91	46	38	19	1.18	32	1763
365	1.53½	1	365	365	501	501	1.00	561	1764
181	1.59½	4	587	147	936	234	3.24	289	1765
303	1.15	1	328	328	376	376	0.90	418	1766
365	1.40½	7	1,548	221	2,173	310	4.23	512	1767
91	.75	2	182	91	137	69	2.00	69	1768
91	.75	2	102	96	141	71	2.11	67	1769

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tah- lish- ment num- ber.	Occupation.	Industry.	Locality.
1770	55	Hot-blast man and scraper.....	Pig iron .....	Northern district, U. S.
1771	10	Hot-cinder men .....	Pig iron .....	Northern district, U. S.
1772	10	Hot-cinder men and laborers.....	Pig iron .....	Northern district, U. S.
1773	170	Hurriers .....	Bituminous coal .....	Great Britain.
1774	—	Hydraulic men .....	Steel ingots .....	Continent of Europe.
1775	156	Inclined-plane men .....	Bituminous coal .....	Continent of Europe.
1776	101	Inclinenen .....	Pig iron .....	Southern district, U. S.
1777	—	Ingot carriers .....	Steel ingots .....	Continent of Europe.
1778	—	Ingot carriers' helpers .....	Steel ingots .....	Continent of Europe.
1779	—	Ingot chargers .....	Steel rails .....	Continent of Europe.
1780	7	Ingot loaders .....	Steel ingots .....	United States.
1781	—	do .....	Steel ingots .....	Continent of Europe.
1782	—	do .....	Mixed iron and steel .....	Continent of Europe.
1783	—	Ingot leader and laborer .....	Steel ingots .....	Continent of Europe.
1784	7	Ingot loader and mould capper .....	Steel ingots .....	United States.
1785	7	Ingot loader and mould swinger .....	Steel ingots .....	United States.
1786	—	Ingot wheelers .....	Steel rails .....	Continent of Europe.
1787	—	do .....	Mixed iron and steel .....	Continent of Europe.
1788	—	Ingot wheelers' helpers .....	Steel rails .....	Continent of Europe.
1789	1	Inspectors .....	Steel ingots .....	United States.
1790	—	do .....	Steel billets .....	United States.
1791	—	do .....	Steel rails .....	Continent of Europe.
1792	—	do .....	Mixed iron and steel .....	Great Britain.
1793	—	Inspector, bloom .....	Mixed iron and steel .....	Great Britain.
1794	58	Inspectors, car .....	Pig iron .....	Northern district, U. S.
1795	1	Inspector, mould .....	Steel ingots .....	United States.
1796	—	Inspectors, plank .....	Mixed iron and steel .....	Continent of Europe.
1797	—	Inspectors, rail .....	Mixed iron and steel .....	Great Britain.
1798	1	Inspector, stock .....	Steel ingots .....	United States.
1799	—	Inspector and stamper .....	Steel billets .....	United States.
1800	—	Inspector and weighman .....	Steel billets .....	United States.
1801	41	Iron barrowman .....	Pig iron .....	Northern district, U. S.
1802	101	Iron breakers .....	Pig iron .....	Southern district, U. S.
1803	—	do .....	Steel ingots .....	Continent of Europe.
1804	—	do .....	Mixed iron and steel .....	Continent of Europe.
1805	—	do .....	Mixed iron and steel .....	Continent of Europe.
1806	101	Iron carriers .....	Pig iron .....	Southern district, U. S.
1807	101	Iron grader .....	Pig iron .....	Southern district, U. S.
1808	22	Iron handlers .....	Pig iron .....	Northern district, U. S.
1809	32	do .....	Pig iron .....	Northern district, U. S.
1810	42	do .....	Pig iron .....	Northern district, U. S.
1811	49	do .....	Pig iron .....	Northern district, U. S.
1812	67	do .....	Pig iron .....	Northern district, U. S.
1813	95	do .....	Pig iron .....	Southern district, U. S.
1814	103	do .....	Pig iron .....	Southern district, U. S.
1815	109	do .....	Pig iron .....	Southern district, U. S.
1816	114	do .....	Pig iron .....	Southern district, U. S.
1817	1	do .....	Steel ingots .....	United States.
1818	103	Iron handler and keeper .....	Pig iron .....	Southern district, U. S.
1819	22	Iron handlers and laborers .....	Pig iron .....	Northern district, U. S.
1820	32	do .....	Pig iron .....	Northern district, U. S.
1821	103	do .....	Pig iron .....	Southern district, U. S.
1822	1	do .....	Steel ingots .....	United States.
1823	1	Iron handler and screener .....	Steel ingots .....	United States.
1824	1	Iron handler and stocker .....	Steel ingots .....	United States.
1825	1	Iron handlers and unloaders .....	Steel ingots .....	United States.
1826	101	Iron loaders .....	Pig iron .....	Southern district, U. S.
1827	—	do .....	Mixed iron and steel .....	Continent of Europe.
1828	—	do .....	Mixed iron and steel .....	Continent of Europe.
1829	—	Iron melters .....	Steel ingots .....	Continent of Europe.
1830	7	Iron melter and regulator .....	Steel ingots .....	United States.
1831	10	Iron men .....	Pig iron .....	Northern district, U. S.
1832	170	do .....	Bituminous coal .....	Great Britain.
1833	10	Iron men and laborers .....	Pig iron .....	Northern district, U. S.
1834	10	Iron man and stock preparer .....	Pig iron .....	Northern district, U. S.
1835	41	Iron movers .....	Pig iron .....	Northern district, U. S.
1836	41	Iron mover and moulders' helper .....	Pig iron .....	Northern district, U. S.
1837	10	Iron piler .....	Pig iron .....	Northern district, U. S.



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
181	1.59½	1	168	168	268	268	0.93	289	1770
365	1.50	10	1,038	104	1,538	154	2.84	541	1771
365	1.41½	4	861	215	1,220	305	2.36	517	1772
91	.59	116	8,700	75	5,148	44	95.60	54	1773
78	.51	4	271	68	138	35	3.47	40	1774
77	.53½	20	751	38	401	20	9.76	41	1775
184	1.15	2	310	155	362	181	1.68	215	1776
78	.72	3	189	63	136	45	2.42	56	1777
78	.50	2	36	18	18	9	0.46	39	1778
78	.56½	8	475	59	269	34	6.09	44	1779
230	5.19½	6	915	153	4,754	792	3.98	1,195	1780
27	.79½	11	208	19	165	15	7.70	21	1781
313	.46	26	3,957	152	1,818	70	12.64	144	1782
27	.66½	1	3	3	2	2	0.11	18	1783
230	4.38½	1	186	186	816	816	0.81	1,009	1784
230	5.24½	1	140	140	734	734	0.61	1,206	1785
78	.67½	14	789	56	532	38	10.12	58	1786
313	.47½	1	167	167	79	79	0.53	148	1787
78	.56	7	352	50	197	28	4.51	44	1788
313	2.70	1	61	61	165	165	0.19	847	1789
202	2.33½	2	18	9	42	21	0.08	471	1790
78	.53	3	197	66	104	35	2.53	41	1791
156	1.21½	2	265	133	322	161	1.70	190	1792
48	.81	1	48	48	39	39	1.00	39	1793
365	1.56	5	1,301	260	2,029	406	3.56	569	1794
313	1.25	1	192	192	240	240	0.61	391	1795
77	.66½	2	86	43	57	29	1.11	51	1796
48	.99	2	90	45	89	45	1.88	47	1797
313	2.25	1	136	136	300	300	0.43	690	1798
202	1.96½	1	54	54	106	106	0.27	397	1799
202	1.93½	1	142	142	275	275	0.70	391	1800
167	1.65	1	78	78	129	129	0.47	276	1801
144	(a)	15	(a)	(a)	2,546	170	(a)	(a)	1892
78	.47½	6	247	41	117	20	3.17	37	1803
313	.48	2	138	69	66	33	0.44	150	1804
79	.68½	2	146	73	100	50	1.85	54	1805
184	1.93	22	1,498	68	2,893	132	8.14	355	1806
184	1.96	1	153	153	300	300	0.83	361	1807
365	1.70	25	2,009	80	3,412	136	5.50	620	1808
365	2.32	11	1,828	166	4,242	386	5.01	847	1809
365	2.23	4	1,460	365	3,258	815	4.00	815	1810
365	1.96	12	1,591	133	3,122	260	4.36	716	1811
365	1.61	11	2,583	235	4,157	378	7.07	587	1812
334	1.40½	6	381	64	535	89	1.14	469	1813
365	1.41	17	2,680	158	3,773	222	7.34	514	1814
365	1.21½	18	2,000	111	2,426	135	5.48	443	1815
365	1.10	6	1,082	180	1,181	197	2.96	398	1816
313	1.65½	61	2,018	33	3,342	55	6.45	518	1817
365	1.72	1	312	312	536	536	0.85	627	1818
365	1.55½	1	18	18	28	28	0.05	568	1819
365	1.70	5	337	67	573	115	0.92	621	1820
265	1.59	3	171	57	272	91	0.47	581	1-21
313	1.45	15	354	24	513	34	1.13	454	1822
313	1.39	1	46	46	64	64	0.15	435	1823
313	1.33½	1	3	3	4	4	0.01	417	1824
313	1.48½	6	37	6	55	9	0.12	465	1825
184	(a)	9	(a)	(a)	1,605	178	(a)	(a)	1826
313	.55½	21	5,747	274	3,192	152	18.36	174	1827
313	.55	6	1,202	200	664	111	3.84	173	1828
77	.79½	7	465	66	369	53	6.04	61	1829
230	2.76	1	148	148	409	409	0.64	636	1830
365	1.70	17	2,868	169	5,046	297	7.86	642	1831
91	1.02½	2	152	76	156	78	1.68	93	1832
365	1.47	8	663	83	975	122	1.82	537	1833
365	1.63	1	65	65	106	106	0.18	595	1834
167	1.51½	9	1,303	145	1,975	219	7.80	253	1835
167	1.57	1	167	167	262	262	1.00	262	1836
365	1.66½	1	3	3	5	5	0.01	6-8	1837

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presentation for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1838	101	Iron piler—concluded	Pig iron	Southern district, U. S.
1839	7	Iron pourers	Steel ingots	United States
1840		do	Steel ingots	Continent of Europe
1841		do	Steel ingots	Continent of Europe
1842	7	Iron pourer and laborer	Steel ingots	United States
1843	42	Iron sorters	Pig iron	Northern district, U. S.
1844	36	do	Muck bar iron	Great Britain
1845	7	Iron stockers	Steel ingots	United States
1846		do	Steel ingots	Continent of Europe
1847		do	Steel ingots	Continent of Europe
1848	7	Iron stocker and scrap loader	Steel ingots	United States
1849		Iron tester	Mixed iron and steel	United States
1850		Iron tester and stoker	Mixed iron and steel	United States
1851		Iron wheelers	Pig iron	Continent of Europe
1852		do	Mixed iron and steel	Continent of Europe
1853		do	Mixed iron and steel	Continent of Europe
1854		do	Mixed iron and steel	Continent of Europe
1855		do	Mixed iron and steel	Great Britain
1856	101	Iron wringers	Pig iron	Southern district, U. S.
1857	1	Janitors	Steel ingots	United States
1858		do	Steel billets	United States
1859		do	Mixed iron and steel	United States
1860		Joiners	Pig iron	Great Britain
1861	29	do	Finished bar iron	Great Britain
1862		do	Mixed iron and steel	Continent of Europe
1863		do	Mixed iron and steel	Continent of Europe
1864	9	Keepers	Pig iron	Northern district, U. S.
1865	10	do	Pig iron	Northern district, U. S.
1866	22	do	Pig iron	Northern district, U. S.
1867	32	do	Pig iron	Northern district, U. S.
1868	41	do	Pig iron	Northern district, U. S.
1869	42	do	Pig iron	Northern district, U. S.
1870	49	do	Pig iron	Northern district, U. S.
1871	55	do	Pig iron	Northern district, U. S.
1872	58	do	Pig iron	Northern district, U. S.
1873	67	do	Pig iron	Northern district, U. S.
1874	83	do	Pig iron	Northern district, U. S.
1875	84	do	Pig iron	Northern district, U. S.
1876	95	do	Pig iron	Northern district, U. S.
1877	101	do	Pig iron	Southern district, U. S.
1878	103	do	Pig iron	Southern district, U. S.
1879	109	do	Pig iron	Southern district, U. S.
1880	114	do	Pig iron	Southern district, U. S.
1881	40	do	Pig iron	Continent of Europe
1882		do	Pig iron	Continent of Europe
1883	36	do	Pig iron	Great Britain
1884	37	do	Pig iron	Great Britain
1885		do	Pig iron	Great Britain
1886		do	Steel ingots	Continent of Europe
1887		do	Mixed iron and steel	Continent of Europe
1888	114	Keepers and keepers' helpers	Pig iron	Southern district, U. S.
1889	9	Keepers and laborers	Pig iron	Northern district, U. S.
1890	10	do	Pig iron	Northern district, U. S.
1891		Keeper's apprentice	Steel ingots	Continent of Europe
1892	10	Keepers' helpers	Pig iron	Northern district, U. S.
1893	22	do	Pig iron	Northern district, U. S.
1894	55	do	Pig iron	Northern district, U. S.
1895	58	do	Pig iron	Northern district, U. S.
1896	84	do	Pig iron	Northern district, U. S.
1897	95	do	Pig iron	Northern district, U. S.
1898	101	do	Pig iron	Southern district, U. S.
1899	114	do	Pig iron	Southern district, U. S.
1900	40	do	Pig iron	Southern district, U. S.
1901		do	Pig iron	Continent of Europe
1902		do	Pig iron	Great Britain
1903		do	Steel ingots	Continent of Europe
1904	10	Keeper's helpers and laborers	Pig iron	Northern district, U. S.
1905	22	do	Pig iron	Northern district, U. S.

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
184	(a)	2	(a)	(a)	\$80	\$40	(a)	(a)	1838
230	\$4.01	1	185	185	742	742	0.80	\$922	1839
77	.68½	5	320	64	219	44	4.16	53	1840
27	.88	2	51	26	45	23	1.80	24	1841
230	3.73½	1	218	218	814	814	0.95	859	1842
365	1.40	1	286	286	400	400	0.78	510	1843
99	.97	4	540	135	524	131	5.45	96	1844
230	1.75	1	107	107	187	187	0.47	402	1845
77	.65½	2	119	60	78	39	1.55	50	1846
78	.58½	27	1,462	54	853	32	18.74	46	1847
230	2.00	1	113	113	225	225	0.49	458	1848
155	1.91½	1	72	72	138	138	0.46	297	1849
155	1.66½	1	105	105	175	175	0.68	258	1850
91	.60½	1	102	102	62	62	1.12	55	1851
313	.46	15	1,819	121	837	56	5.82	144	1852
313	.54½	5	1,124	225	611	122	3.59	170	1853
79	.87	3	225	75	196	65	2.85	60	1854
48	(a)	7	(a)	(a)	217	31	(a)	(a)	1855
184	1.10	11	728	66	803	73	3.96	203	1856
365	.50	2	111	56	56	28	0.30	184	1857
235	.49	1	244	244	120	120	1.04	116	1858
313	1.35	1	308	308	416	416	0.98	423	1859
135	1.21	4	486	122	589	147	3.60	164	1860
108	1.30	1	102	102	131	131	0.94	139	1861
313	.70	2	632	316	443	222	2.02	219	1862
313	.62½	1	378	378	236	236	1.21	195	1863
365	3.25	2	162	81	526	263	0.44	1,185	1864
365	2.15	2	584	292	1,220	610	1.50	763	1865
365	1.90	2	695	348	1,328	664	1.90	697	1866
365	2.25	2	666	333	1,495	748	1.82	819	1867
167	1.85	2	328	164	606	303	1.96	309	1868
365	1.85	2	680	340	1,268	634	1.86	681	1869
365	1.80	2	518	259	932	466	1.42	657	1870
181	2.30	2	305	153	700	350	1.69	415	1871
365	2.84	4	1,341	335	3,806	952	3.67	1,036	1872
365	2.10	3	796	265	1,673	558	2.13	767	1873
92	1.90	2	160	80	304	152	1.74	175	1874
122	1.45	2	231	116	335	168	1.89	177	1875
334	1.75	2	580	290	1,011	506	1.74	582	1876
184	2.00	5	714	143	1,425	285	3.88	367	1877
365	1.85	3	704	235	1,278	425	1.93	662	1878
365	2.00	3	680	227	1,359	453	1.86	729	1879
365	1.50	1	127	127	191	191	0.35	549	1880
90	1.07	2	180	90	193	97	2.00	123	1881
91	1.35½	2	171	86	232	116	1.88	97	1882
91	1.18½	4	301	75	356	89	3.30	108	1883
91	1.01½	7	568	81	577	82	6.24	92	1884
135	1.54	6	810	135	1,248	208	6.00	208	1885
78	.84½	10	734	73	620	62	0.41	66	1886
92	.56	16	1,376	86	772	48	14.96	52	1887
365	1.31½	2	338	169	445	223	0.93	481	1888
365	2.70½	1	248	248	671	671	0.68	988	1889
365	1.72	1	25	25	43	43	0.07	628	1890
78	.29	1	14	14	4	4	0.18	22	1891
365	1.76½	9	2,609	290	4,603	511	7.14	644	1892
365	1.57	14	3,047	218	4,786	342	8.35	573	1893
181	1.81½	9	1,176	131	2,133	237	6.50	328	1894
365	1.78½	20	5,466	273	9,751	488	14.93	651	1895
122	1.25½	4	461	115	578	145	3.78	153	1896
334	1.40	15	1,334	89	1,868	125	3.99	468	1897
184	1.42	30	2,122	71	3,015	101	11.53	261	1898
365	1.15	2	378	189	427	214	1.04	412	1899
90	.74	2	171	86	126	63	1.90	66	1900
91	.81	10	787	79	637	64	8.65	74	1901
135	.93½	6	810	135	755	126	6.00	126	1902
78	.48	1	29	29	14	14	0.37	38	1903
365	1.50	1	58	58	87	87	0.16	548	1904
365	1.38½	1	13	13	18	18	0.04	505	1905

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Marginal num. ber.	Estab-lish-ment num. ber.	Occupation.	Industry.	Locality.
1906	55	Keeper's helpers and laborers—concl'd	Pig iron .....	Northern district, U. S.
1907	58	.....do .....	Pig iron .....	Northern district, U. S.
1908	101	.....do .....	Pig iron .....	Southern district, U. S.
1909	55	Keeper's helper and metal carrier .....	Pig iron .....	Northern district, U. S.
1910	55	Keeper's helper and scraper .....	Pig iron .....	Northern district, U. S.
1911	10	Keeper's helper and stock preparer .....	Pig iron .....	Northern district, U. S.
1912		Keepers-up .....	Mixed iron and steel .....	Continent of Europe .....
1913		Keeper-up and lighter-up .....	Mixed iron and steel .....	United States .....
1914		Kiln man .....	Pig iron .....	Great Britain .....
1915	101	Laboratory boy .....	Pig iron .....	Southern district, U. S.
1916	9	Laborers .....	Pig iron .....	Northern district, U. S.
1917	10	.....do .....	Pig iron .....	Northern district, U. S.
1918	22	.....do .....	Pig iron .....	Northern district, U. S.
1919	32	.....do .....	Pig iron .....	Northern district, U. S.
1920	41	.....do .....	Pig iron .....	Northern district, U. S.
1921	42	.....do .....	Pig iron .....	Northern district, U. S.
1922	49	.....do .....	Pig iron .....	Southern district, U. S.
1923	55	.....do .....	Pig iron .....	Northern district, U. S.
1924	58	.....do .....	Pig iron .....	Northern district, U. S.
1925	67	.....do .....	Pig iron .....	Northern district, U. S.
1926	83	.....do .....	Pig iron .....	Northern district, U. S.
1927	84	.....do .....	Pig iron .....	Northern district, U. S.
1928	95	.....do .....	Pig iron .....	Southern district, U. S.
1929	101	.....do .....	Pig iron .....	Northern district, U. S.
1930	103	.....do .....	Pig iron .....	Southern district, U. S.
1931	109	.....do .....	Pig iron .....	Southern district, U. S.
1932	114	.....do .....	Pig iron .....	Southern district, U. S.
1933	40	.....do .....	Pig iron .....	Continent of Europe .....
1934		.....do .....	Pig iron .....	Continent of Europe .....
1935	36	.....do .....	Pig iron .....	Great Britain .....
1936	37	.....do .....	Pig iron .....	Great Britain .....
1937	7	.....do .....	Muck bar iron .....	United States .....
1938	9	.....do .....	Muck bar iron .....	United States .....
1939	17	.....do .....	Muck bar iron .....	United States .....
1940	26	.....do .....	Muck bar iron .....	United States .....
1941	8	.....do .....	Finished bar iron .....	United States .....
1942	9	.....do .....	Finished bar iron .....	United States .....
1943	29	.....do .....	Finished bar iron .....	Great Britain .....
1944	1	.....do .....	Steel ingots .....	United States .....
1945	2	.....do .....	Steel ingots .....	United States .....
1946	5	.....do .....	Steel ingots .....	United States .....
1947	7	.....do .....	Steel ingots .....	United States .....
1948		.....do .....	Steel ingots .....	Continent of Europe .....
1949		.....do .....	Steel ingots .....	Continent of Europe .....
1950		.....do .....	Steel ingots .....	Continent of Europe .....
1951		.....do .....	Steel billets .....	United States .....
1952		.....do .....	Steel blooms .....	United States .....
1953		.....do .....	Steel blooms .....	United States .....
1954		.....do .....	Steel rails .....	Continent of Europe .....
1955		.....do .....	Mixed iron and steel .....	United States .....
1956		.....do .....	Mixed iron and steel .....	United States .....
1957		.....do .....	Mixed iron and steel .....	United States .....
1958		.....do .....	Mixed iron and steel .....	United States .....
1959		.....do .....	Mixed iron and steel .....	United States .....
1960		.....do .....	Mixed iron and steel .....	United States .....
1961		.....do .....	Mixed iron and steel .....	United States .....
1962		.....do .....	Mixed iron and steel .....	United States .....
1963		.....do .....	Mixed iron and steel .....	United States .....
1964		.....do .....	Mixed iron and steel .....	Continent of Europe .....
1965		.....do .....	Mixed iron and steel .....	Continent of Europe .....
1966		.....do .....	Mixed iron and steel .....	Continent of Europe .....
1967		.....do .....	Mixed iron and steel .....	Continent of Europe .....
1968		.....do .....	Mixed iron and steel .....	Great Britain .....
1969		.....do .....	Mixed iron and steel .....	Great Britain .....
1970		.....do .....	Mixed iron and steel .....	Great Britain .....
1971	18	.....do .....	Bituminous coal .....	United States .....
1972	26	.....do .....	Bituminous coal .....	United States .....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings por em- ployé.
			Total.	Average.	Total.	Average.			
181	\$1.50½	1	152	152	\$229	\$229	0.84	\$273	1906
365	1.69	1	119	119	201	201	0.33	617	1907
184	1.00	1	2	2	2	2	0.01	184	1908
181	2.39	1	18	18	43	43	0.10	432	1909
181	1.60½	1	172	172	276	276	0.95	290	1910
365	1.56	1	251	251	392	392	0.69	570	1911
92	.49	12	84	7	41	3	0.91	45	1912
313	2.11½	1	313	313	662	662	1.00	662	1913
135	.77½	1	144	144	111	111	1.07	104	1914
184	1.00	1	118	118	113	113	0.64	176	1915
365	1.40½	84	2,555	30	3,589	43	7.01	513	1916
313	1.25	100	5,062	51	6,393	64	16.17	395	1917
265	1.41½	62	3,468	56	4,907	79	9.50	616	1918
313	1.41	192	7,046	37	9,942	52	22.51	442	1919
143	1.20½	44	3,387	77	4,082	93	23.68	172	1920
313	1.25	49	9,317	190	11,512	235	29.77	387	1921
313	1.29½	30	4,003	133	5,185	173	12.79	405	1922
155	1.33½	53	2,841	54	3,794	72	18.32	207	1923
313	1.42½	300	17,137	57	24,386	81	54.76	445	1924
313	1.25	48	4,930	103	6,364	133	15.75	404	1925
79	1.20	12	464	39	557	46	5.87	95	1926
122	1.00	34	2,030	60	2,073	61	16.64	125	1927
334	1.07½	37	855	23	921	25	2.57	360	1928
184	1.00	118	1,505	13	1,545	13	8.18	189	1929
365	.96½	256	7,564	30	7,291	28	20.72	352	1930
313	1.03½	233	10,290	44	10,643	46	32.87	324	1931
313	.99	63	4,035	64	3,993	63	12.89	310	1932
90	.64	3	116	39	74	25	1.29	57	1933
91	.49	6	449	75	221	37	4.93	45	1934
91	.49½	21	1,500	71	746	36	16.49	45	1935
91	.52	107	8,379	78	4,348	41	92.08	47	1936
155	1.26	42	455	11	574	13	2.95	196	1937
313	1.21½	72	5,737	80	6,979	97	18.32	381	1938
313	1.20	5	200	40	242	48	0.64	379	1939
313	1.35½	34	928	27	1,257	37	2.96	424	1940
299	1.26	21	4,323	206	5,448	259	14.45	377	1941
313	1.26	35	1,920	55	2,421	69	6.14	395	1942
108	.74½	4	482	121	359	90	4.46	80	1943
313	1.29½	186	4,123	22	5,338	29	13.18	405	1944
144	1.54	75	4,290	57	6,016	88	20.80	222	1945
132	1.25	5	92	18	116	23	0.70	166	1946
251	1.50	44	697	16	1,045	24	2.78	376	1947
77	.61	9	650	72	395	44	8.44	47	1948
27	.67	40	618	15	415	10	22.89	18	1949
78	.50	39	1,693	43	848	22	21.71	39	1950
202	1.25	44	2,742	62	3,444	78	13.57	254	1951
144	1.54	60	3,823	64	5,882	98	26.56	222	1952
251	1.43½	111	7,072	64	10,166	92	28.17	361	1953
78	.53	25	318	13	168	7	4.08	41	1954
313	(a)	259	(a)	(a)	12,785	49	(a)	(a)	1955
313	(a)	298	(a)	(a)	23,640	70	(a)	(a)	1956
313	.94½	118	13,048	111	12,312	104	41.69	295	1957
313	1.31½	679	46,040	68	60,655	89	147.11	412	1958
313	1.36½	172	14,577	85	19,914	116	46.57	428	1959
168	1.41½	75	3,348	45	4,741	63	19.93	238	1960
155	1.26	119	2,632	22	3,313	28	16.98	195	1961
313	(a)	(b)	(a)	(a)	36,419	(b)	(a)	(a)	1962
313	1.33½	157	11,812	75	15,756	100	37.74	418	1963
77	.61	7	492	70	300	43	6.39	47	1964
313	.31	80	11,029	138	3,400	43	35.23	96	1965
92	.43½	51	2,272	45	968	19	24.68	40	1966
313	.36	62	12,988	209	4,653	75	41.50	112	1967
48	.50	114	3,438	30	1,725	15	71.63	24	1968
156	.85½	6	887	148	758	126	5.69	133	1969
53	.52½	80	3,143	39	1,655	21	59.30	28	1970
158	1.50	2	287	144	431	216	1.82	237	1971
313	1.17½	4	156	39	183	46	0.50	367	1972

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
b Number of employes not given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
1973	55	Laborers—concluded .....	Bituminous coal .....	United States .....
1974	107	do .....	Bituminous coal .....	United States .....
1975	109	do .....	Bituminous coal .....	United States .....
1976	do	do .....	Bituminous coal .....	United States .....
1977	do	do .....	Bituminous coal .....	United States .....
1978	do	do .....	Bituminous coal .....	United States .....
1979	do	do .....	Bituminous coal .....	United States .....
1980	156	do .....	Bituminous coal .....	Continent of Europe .....
1981	do	do .....	Bituminous coal .....	Continent of Europe .....
1982	170	do .....	Bituminous coal .....	Great Britain .....
1983	6	do .....	Coke .....	United States .....
1984	13	do .....	Coke .....	United States .....
1985	23	do .....	Coke .....	United States .....
1986	28	do .....	Coke .....	United States .....
1987	29	do .....	Coke .....	United States .....
1988	do	do .....	Coke .....	Continent of Europe .....
1989	1	do .....	Iron ore .....	United States .....
1990	12	do .....	Iron ore .....	United States .....
1991	42	do .....	Iron ore .....	United States .....
1992	48	do .....	Iron ore .....	United States .....
1993	51	do .....	Iron ore .....	United States .....
1994	61	do .....	Iron ore .....	United States .....
1995	72	do .....	Iron ore .....	United States .....
1996	77	do .....	Iron ore .....	Continent of Europe .....
1997	80	do .....	Iron ore .....	Continent of Europe .....
1998	do	Laborers, boiler .....	Steel blooms .....	United States .....
1999	40	Laborers (boys) .....	Pig iron .....	Continent of Europe .....
2000	do	do .....	Mixed iron and steel .....	United States .....
2001	do	do .....	Mixed iron and steel .....	United States .....
2002	do	Laborers, converter .....	Steel ingots .....	Continent of Europe .....
2003	83	Laborers, furnace .....	Pig iron .....	Northern district, U. S. .....
2004	do	do .....	Pig iron .....	Great Britain .....
2005	do	Laborers, general .....	Pig iron .....	Great Britain .....
2006	42	Laborer, machine shop .....	Iron ore .....	United States .....
2007	do	Laborers, railroad .....	Steel blooms .....	United States .....
2008	96	Laborers, surface .....	Bituminous coal .....	United States .....
2009	148	do .....	Bituminous coal .....	Dominion of Canada .....
2010	12	do .....	Iron ore .....	United States .....
2011	6	Laborer, track .....	Coke .....	United States .....
2012	96	Laborers, underground .....	Bituminous coal .....	United States .....
2013	148	do .....	Bituminous coal .....	Dominion of Canada .....
2014	12	do .....	Iron ore .....	United States .....
2015	101	Laborers, yard .....	Pig iron .....	Southern district, U. S. .....
2016	2	Laborer and ladle liner .....	Steel ingots .....	United States .....
2017	1	Laborers and ladlemen .....	Steel ingots .....	United States .....
2018	1	Laborers and lifters .....	Steel ingots .....	United States .....
2019	26	Laborer and loader .....	Bituminous coal .....	United States .....
2020	10	Laborer and machinist .....	Pig iron .....	Northern district, U. S. .....
2021	42	Laborer and machinists' helper .....	Pig iron .....	Northern district, U. S. .....
2022	do	Laborers and masons .....	Mixed iron and steel .....	United States .....
2023	do	do .....	Coke .....	Continent of Europe .....
2024	72	do .....	Iron ore .....	United States .....
2025	do	Laborer and masons' helper .....	Mixed iron and steel .....	United States .....
2026	9	Laborers and metal breakers .....	Pig iron .....	Northern district, U. S. .....
2027	7	do .....	Steel ingots .....	United States .....
2028	do	do .....	Steel blooms .....	United States .....
2029	9	Laborers and metal carriers .....	Pig iron .....	Northern district, U. S. .....
2030	58	do .....	Pig iron .....	Northern district, U. S. .....
2031	2	Laborers and metal wheelers .....	Steel ingots .....	United States .....
2032	7	do .....	Steel ingots .....	United States .....
2033	96	Laborers and miners .....	Bituminous coal .....	United States .....
2034	109	do .....	Bituminous coal .....	United States .....
2035	do	do .....	Bituminous coal .....	United States .....
2036	do	do .....	Bituminous coal .....	United States .....
2037	42	do .....	Iron ore .....	United States .....
2038	72	do .....	Iron ore .....	United States .....
2039	148	Laborers and miners' helpers .....	Bituminous coal .....	Dominion of Canada .....
2040	72	do .....	Iron ore .....	United States .....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless  
tion, Tables I to XI. Where no establishment number is given no statement of cost of production  
these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.50	3	15	5	\$23	\$8	0.05		
313	1.43½	12	359	30	515	43	1.14	\$480	1973
313	(a)	48	(a)	(a)	1,625	34	(a)	449	1974
313	1.30	1	10	10	13	13	0.03	(a)	1975
313	1.33½	17	338	20	452	27	1.08	407	1976
313	1.72	41	1,646	40	2,832	69	5.26	419	1977
313	(a)	238	(a)	(a)	17,096	59	(a)	539	1978
77	.60	5	10	2	6	1	0.13	(a)	1979
52	.51	2	61	31	31	16	1.17	46	1980
91	.84	7	541	77	455	65	5.95	26	1981
92	.97	86	1,403	16	1,359	16	15.25	77	1982
313	1.31	47	5,395	115	7,061	150	17.24	89	1983
313	1.00	42	1,938	46	1,941	46	6.19	410	1984
313	1.23½	58	1,605	28	1,980	34	5.13	313	1985
365	1.10	10	572	57	629	63	1.57	386	1986
365	.32	7	532	76	170	24	1.46	401	1987
313	1.23½	134	3,308	25	4,085	30	10.57	117	1988
313	1.65½	3	96	32	159	53	0.31	387	1989
313	1.15	133	11,066	83	12,906	97	35.35	518	1990
313	.98½	31	2,112	68	2,077	67	6.75	365	1991
313	.99½	62	4,553	73	4,523	73	14.54	308	1992
155	1.00	1	2	2	2	2	0.01	311	1993
313	1.65½	194	8,157	42	13,480	69	26.06	155	1994
313	.56	5	170	34	95	19	0.54	517	1995
158	.60	3	517	172	313	104	3.27	175	1996
230	1.55½	90	2,654	29	4,128	46	11.54	96	1997
90	.35½	2	143	72	51	26	1.59	358	1998
313	.84	130	7,602	58	6,382	49	24.26	32	1999
313	.45	8	604	76	274	34	1.93	263	2000
27	.69½	6	121	20	84	14	4.48	142	2001
79	1.13	2	156	78	176	88	1.97	19	2002
135	.77½	10	1,291	129	997	100	9.56	89	2003
135	.78	6	721	120	564	94	5.34	104	2004
313	1.35	1	296	296	399	399	0.95	106	2005
144	1.40	7	597	85	835	119	4.15	422	2006
313	1.38½	8	132	17	183	23	0.42	201	2007
313	.90½	24	3,482	145	3,159	132	11.12	434	2008
313	1.62½	28	3,098	111	5,035	180	9.90	284	2009
92	1.00	1	94	94	94	94	1.02	509	2010
313	1.91½	12	107	9	205	17	0.34	92	2011
313	1.13½	29	4,711	162	5,350	184	15.05	600	2012
313	1.70	83	7,006	84	11,942	144	22.38	355	2013
184	1.13½	32	1,104	35	1,251	39	6.00	534	2014
144	1.97½	1	110	110	217	217	0.76	209	2015
313	1.74	2	50	25	87	44	0.16	284	2016
313	1.39½	2	338	169	471	230	1.08	545	2017
313	1.62	1	131	131	212	212	0.42	284	2018
313	1.40	1	10	10	14	14	0.03	436	2019
365	1.41½	1	346	346	489	489	0.95	507	2020
313	1.54	1	13	13	20	20	0.04	438	2021
365	.66½	1	3	3	2	2	0.01	482	2022
313	2.53	1	79	79	200	200	0.25	243	2023
313	1.39½	1	314	314	438	438	1.00	792	2024
365	1.71½	10	1,472	147	2,524	252	4.03	437	2025
251	1.66½	1	9	9	15	15	0.04	626	2026
251	1.58	3	211	70	333	111	0.84	418	2027
365	2.08	8	981	123	2,039	255	2.69	396	2028
313	1.70½	2	17	9	29	15	0.05	759	2029
144	1.84	2	94	47	173	87	0.65	534	2030
251	2.97½	2	184	92	547	274	0.85	265	2031
313	(a)	1	(a)	(a)	82	82	0.73	746	2032
313	(a)	6	(a)	(a)	1,349	225	(a)	(a)	2033
365	(a)	12	(a)	(a)	2,594	216	(a)	(a)	2034
313	(a)	63	(a)	(a)	8,238	131	(a)	(a)	2035
313	1.23	34	6,894	203	8,480	249	22.03	(a)	2036
313	1.79	10	842	84	1,506	151	2.69	385	2037
313	1.09½	2	190	95	208	104	0.61	560	2038
313	1.63	2	308	154	502	251	0.98	343	2039
								510	2040

α Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2041	7	Laborers and mould cappers.....	Steel ingots.....	United States.....
2042		Laborer and moulder.....	Mixed iron and steel..	United States.....
2043	1	Laborer and mouldman.....	Steel ingots.....	United States.....
2044	1	Laborers and oilers.....	Steel ingots.....	United States.....
2045	9	Laborers and ore breakers.....	Pig iron.....	Northern district, U. S..
2046	26	Laborers and ore crushers.....	Muck bar iron.....	United States.....
2047		do.....	Mixed iron and steel..	United States.....
2048	9	Laborer and ore piler.....	Pig iron.....	Northern district, U. S..
2049		Laborer and piler.....	Mixed iron and steel..	United States.....
2050		Laborer and pipe fitter.....	Mixed iron and steel..	United States.....
2051	1	Laborers and pit cleaners.....	Steel ingots.....	United States.....
2052	7	do.....	Steel ingots.....	United States.....
2053	5	Laborer and pitmen's helper.....	Steel ingots.....	United States.....
2054		Laborers and platemen.....	Mixed iron and steel..	United States.....
2055		Laborer and pressman.....	Steel blooms.....	United States.....
2056		Laborers and puddlers.....	Mixed iron and steel..	United States.....
2057		do.....	Mixed iron and steel..	Continent of Europe....
2058		Laborers and puddlers' helpers.....	Mixed iron and steel..	United States.....
2059		do.....	Mixed iron and steel..	United States.....
2060		Laborers and punchers.....	Mixed iron and steel..	United States.....
2061	7	Laborer and pusher.....	Steel ingots.....	United States.....
2062		Laborer and rail breaker.....	Mixed iron and steel..	Great Britain.....
2063	7	Laborer and regulator.....	Steel ingots.....	United States.....
2064		Laborer and reverser.....	Mixed iron and steel..	United States.....
2065		Laborers and rollers.....	Mixed iron and steel..	United States.....
2066		Laborer and rougher.....	Mixed iron and steel..	United States.....
2067		Laborer and rougher-down.....	Mixed iron and steel..	United States.....
2068	22	Laborers and runners.....	Pig iron.....	Northern district, U. S..
2069	1	do.....	Steel ingots.....	United States.....
2070	58	Laborer and scaleman.....	Pig iron.....	Northern district, U. S..
2071		Laborers and scrap pilers.....	Mixed iron and steel..	United States.....
2072		Laborer and scrap wheeler.....	Steel blooms.....	United States.....
2073	55	Laborers and scrapers.....	Pig iron.....	Northern district, U. S..
2074	10	Laborers and scrapmen.....	Pig iron.....	Northern district, U. S..
2075	1	do.....	Steel ingots.....	United States.....
2076		Laborers and shearmen.....	Mixed iron and steel..	United States.....
2077		do.....	Mixed iron and steel..	United States.....
2078	41	Laborers and slagmen.....	Pig iron.....	Northern district, U. S..
2079	103	do.....	Pig iron.....	Southern district, U. S..
2080	41	Laborers and stock breakers.....	Pig iron.....	Northern district, U. S..
2081	42	do.....	Pig iron.....	Northern district, U. S..
2082	1	Laborers and stockers.....	Steel ingots.....	United States.....
2083		do.....	Mixed iron and steel..	United States.....
2084		do.....	Mixed iron and steel..	United States.....
2085	53	Laborers and stockhouse men.....	Pig iron.....	Northern district, U. S..
2086	10	Laborers and stock preparers.....	Pig iron.....	Northern district, U. S..
2087	9	Laborer and stove cleaner.....	Pig iron.....	Northern district, U. S..
2088	9	Laborer and stove tender.....	Pig iron.....	Northern district, U. S..
2089	95	Laborer and stoveman.....	Pig iron.....	Southern district, U. S..
2090		Laborers and straighteners.....	Mixed iron and steel..	United States.....
2091		do.....	Mixed iron and steel..	United States.....
2092		do.....	Mixed iron and steel..	United States.....
2093		do.....	Mixed iron and steel..	United States.....
2094		Laborer and switchman.....	Mixed iron and steel..	United States.....
2095		Laborer and telegraphman.....	Mixed iron and steel..	United States.....
2096		Laborers and timbermen.....	Bituminous coal.....	United States.....
2097	1	do.....	Iron ore.....	United States.....
2098	51	do.....	Iron ore.....	United States.....
2099		Laborer and tram-car repairer.....	Bituminous coal.....	United States.....
2100		Laborer and tram-road repairer.....	Bituminous coal.....	United States.....
2101		Laborers and trammers.....	Bituminous coal.....	United States.....
2102	1	do.....	Iron ore.....	United States.....
2103	72	do.....	Iron ore.....	United States.....
2104	55	Laborers and trappers.....	Bituminous coal.....	United States.....
2105	109	do.....	Bituminous coal.....	United States.....
2106	1	Laborers and unloaders.....	Steel ingots.....	United States.....
2107	2	Laborers and vessel cinders.....	Steel ingots.....	United States.....
2108	1	Laborer and vessel tender.....	Steel ingots.....	United States.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar. gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
251	\$2.31½	2	95	48	\$220	\$110	0.38	\$581	2041
155	1.46	1	59	59	86	86	0.38	226	2042
313	1.67½	1	34	34	57	57	0.11	525	2043
313	1.43	2	228	114	326	163	0.73	448	2044
365	1.57½	12	615	51	969	81	1.68	575	2045
313	1.39½	1	234	234	327	327	0.75	437	2046
168	1.47½	1	143	143	211	211	0.85	248	2047
365	1.50	1	16	16	24	24	0.04	548	2048
313	1.53½	1	41	41	63	63	0.13	481	2049
155	1.52	1	50	50	76	76	0.32	236	2050
313	1.35½	1	14	14	19	19	0.04	425	2051
251	1.52	1	48	48	73	73	0.19	382	2052
132	1.43	1	14	14	20	20	0.11	189	2053
313	1.42½	3	97	32	138	46	0.31	445	2054
251	1.53½	1	120	120	190	190	0.48	397	2055
313	(a)	2	(a)	(a)	59	30	(a)	(a)	2056
313	1.46½	1	284	284	132	132	0.91	145	2057
313	(a)	3	(a)	(a)	115	38	(a)	(a)	2058
313	1.62½	3	147	49	239	80	0.47	509	2059
313	1.89½	2	266	133	504	252	0.85	593	2060
251	2.00	1	6	6	12	12	0.02	502	2061
48	(a)	1	(a)	(a)	21	21	(a)	(a)	2062
251	1.50	1	16	16	24	24	0.06	377	2063
313	1.60	1	227	227	362	362	0.73	499	2064
313	2.24	2	33	17	74	37	0.11	702	2065
313	(a)	1	(a)	(a)	49	49	(a)	(a)	2066
155	2.23½	1	17	17	38	38	0.11	346	2067
365	1.48	2	224	112	331	166	0.61	539	2068
313	1.69	2	13	7	22	11	0.04	530	2069
365	1.50½	1	164	164	247	247	0.45	550	2070
168	(a)	6	(a)	(a)	1,478	246	(a)	(a)	2071
144	1.68½	1	51	51	86	86	0.35	243	2072
181	1.44½	3	218	73	315	105	1.20	262	2073
365	1.57	4	316	79	496	124	0.87	573	2074
313	1.93	10	282	28	544	54	0.90	604	2075
313	1.18	1	244	244	288	288	0.78	369	2076
313	1.45½	2	392	196	570	285	1.25	455	2077
167	1.35	1	134	134	181	181	0.80	226	2078
365	1.14	1	85	85	97	97	0.23	417	2079
167	1.30	1	151	151	196	196	0.90	217	2080
365	1.32	1	339	339	447	447	0.93	481	2081
313	1.53½	3	67	22	103	34	0.21	481	2082
313	1.45½	2	128	64	186	93	0.41	455	2083
155	1.28	1	32	32	41	41	0.21	199	2084
365	1.46½	6	997	166	1,461	244	2.73	535	2085
365	1.38	31	1,317	42	1,820	59	3.61	504	2086
365	1.55	1	20	20	31	31	0.05	566	2087
365	2.11½	1	324	324	685	685	0.89	772	2088
334	1.21½	1	23	23	28	28	0.07	407	2089
313	1.68	1	187	187	314	314	0.60	526	2090
313	1.67½	3	685	228	1,147	382	2.19	524	2091
155	1.97½	1	39	39	77	77	0.25	306	2092
313	1.13	1	31	31	35	35	0.10	353	2093
313	1.77	1	306	306	542	542	0.98	554	2094
313	1.55½	1	220	220	342	342	0.70	487	2095
313	(a)	1	(a)	(a)	214	214	(a)	(a)	2096
313	1.33½	2	316	158	422	211	1.01	418	2097
313	1.19	1	16	16	19	19	0.05	372	2098
313	1.34	1	75	75	101	101	0.24	422	2099
313	(a)	1	(a)	(a)	42	42	(a)	(a)	2100
313	1.66½	1	21	21	35	35	0.07	522	2101
313	1.40	1	10	10	14	14	0.03	438	2102
312	1.94½	2	157	79	305	153	0.50	608	2103
313	1.00	1	68	68	68	68	0.22	313	2104
313	.82½	2	223	112	184	92	0.71	258	2105
313	1.49½	11	362	33	542	49	1.15	469	2106
144	2.09½	2	219	110	450	230	1.52	302	2107
313	1.45½	1	209	209	304	304	0.07	455	2108

α Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production present for the establishment was obtained. In referring from this table to those on production by means of

Marginal number.	Establishment number.	Occupation.	Industry.	Locality.
2109	26	Laborers and watchmen .....	Muck bar iron .....	United States.....
2110	72	..do .....	Iron ore .....	United States.....
2111	9	Laborers and water tenders .....	Pig iron .....	Northern district, U. S.
2112	103	..do .....	Pig iron .....	Southern district, U. S.
2113	..do .....	..do .....	Steel blooms.....	United States.....
2114	..do .....	..do .....	Mixed iron and steel..	United States.....
2115	10	Laborers and weighmen .....	Pig iron .....	Northern district, U. S.
2116	2	..do .....	Steel ingots .....	United States.....
2117	..do .....	..do .....	Mixed iron and steel..	United States.....
2118	..do .....	..do .....	Mixed iron and steel..	Great Britain.....
2119	7	Ladle cleaners .....	Steel ingots .....	United States.....
2120	..do .....	..do .....	Steel ingots .....	Continent of Europe..
2121	..do .....	..do .....	Steel ingots .....	Continent of Europe..
2122	..do .....	Ladle duffers .....	Mixed iron and steel..	Great Britain.....
2123	2	Ladle liners .....	Steel ingots .....	United States.....
2124	7	..do .....	Steel ingots .....	United States.....
2125	7	Ladle liner and ladle packer .....	Steel ingots .....	United States.....
2126	2	Ladle liners and pushers .....	Steel ingots .....	United States.....
2127	2	Ladle liners and vessel cinders .....	Steel ingots .....	United States.....
2128	2	Ladle liner and vessel repairer .....	Steel ingots .....	United States.....
2129	7	Ladle liner and vesselman .....	Steel ingots .....	United States.....
2130	7	Ladle liners' helpers .....	Steel ingots .....	United States.....
2131	7	Ladle racker .....	Steel ingots .....	United States.....
2132	1	Ladle stoppers .....	Steel ingots .....	United States.....
2133	..do .....	..do .....	Steel ingots .....	Continent of Europe..
2134	37	Ladleman .....	Pig iron .....	Great Britain.....
2135	1	..do .....	Steel ingots .....	United States.....
2136	5	..do .....	Steel ingots .....	United States.....
2137	..do .....	..do .....	Steel ingots .....	Continent of Europe..
2138	..do .....	..do .....	Steel ingots .....	Continent of Europe..
2139	..do .....	..do .....	Steel ingots .....	Continent of Europe..
2140	..do .....	..do .....	Mixed iron and steel..	United States.....
2141	1	Ladleman and mouldman .....	Steel ingots .....	United States.....
2142	1	Ladleman and pit cleaner .....	Steel ingots .....	United States.....
2143	1	Ladleman and runner .....	Steel ingots .....	United States.....
2144	1	Ladlemen and scrap cleaners .....	Steel ingots .....	United States.....
2145	5	Ladlemen's helpers .....	Steel ingots .....	United States.....
2146	5	Ladlemen's helper and pitmen's helper .....	Steel ingots .....	United States.....
2147	..do .....	Lampmen .....	Pig iron .....	Great Britain.....
2148	148	..do .....	Bituminous coal .....	Dominion of Canada..
2149	170	..do .....	Bituminous coal .....	Great Britain.....
2150	56	Landers .....	Iron ore .....	United States.....
2151	59	..do .....	Iron ore .....	United States.....
2152	61	..do .....	Iron ore .....	United States.....
2153	72	..do .....	Iron ore .....	United States.....
2154	56	Lander and miner .....	Iron ore .....	United States.....
2155	..do .....	Lathemen .....	Mixed iron and steel..	United States.....
2156	..do .....	..do .....	Mixed iron and steel..	Great Britain.....
2157	..do .....	Lay-overs .....	Mixed iron and steel..	United States.....
2158	..do .....	Lay-over and puncher .....	Mixed iron and steel..	United States.....
2159	13	Lovellers .....	Coke .....	United States.....
2160	19	..do .....	Coke .....	United States.....
2161	28	..do .....	Coke .....	United States.....
2162	..do .....	..do .....	Coke .....	Continent of Europe..
2163	..do .....	Lever boys .....	Mixed iron and steel..	United States.....
2164	..do .....	Lever men .....	Steel billets .....	United States.....
2165	..do .....	..do .....	Mixed iron and steel..	United States.....
2166	..do .....	..do .....	Mixed iron and steel..	Continent of Europe..
2167	36	Liftmen .....	Pig iron .....	Great Britain.....
2168	1	..do .....	Steel ingots .....	United States.....
2169	..do .....	Lighter-up .....	Steel billets .....	United States.....
2170	58	Lightman .....	Pig iron .....	Northern district, U. S.
2171	..do .....	Lime wheelers .....	Mixed iron and steel..	Continent of Europe..
2172	32	Limestone breakers .....	Pig iron .....	Northern district, U. S.
2173	..do .....	..do .....	Pig iron .....	Continent of Europe..
2174	..do .....	..do .....	Pig iron .....	Great Britain.....
2175	7	Limestone wheelers .....	Steel ingots .....	United States.....
2176	..do .....	Liners, converter .....	Steel ingots .....	Continent of Europe..

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.75½	1	37	37	\$65	\$65	0.12	\$550	2109
365	1.60½	1	267	267	452	452	0.73	618	2110
365	1.87	1	298	298	558	558	0.82	683	2111
365	1.25½	1	75	75	94	94	0.21	457	2112
251	1.83½	1	48	48	88	88	0.19	460	2113
313	1.59½	1	27	27	43	43	0.09	498	2114
365	1.37½	1	16	16	22	22	0.04	502	2115
144	1.61	1	116	116	187	187	0.81	232	2116
313	1.67½	1	170	170	285	285	0.54	525	2117
48	.51½	1	58	58	30	30	1.21	25	2118
230	3.62½	2	256	128	928	464	1.11	834	2119
27	.69½	4	91	23	63	16	3.37	19	2120
78	.65	4	247	62	161	40	3.17	51	2121
53	(a)	4	(a)	(a)	204	51	(a)	(a)	2122
132	2.55	13	914	70	2,332	179	6.93	337	2123
230	4.52	1	188	188	850	850	0.82	1,040	2124
230	3.02	1	138	138	417	417	0.60	695	2125
132	2.00½	2	157	79	316	158	1.19	266	2126
132	2.24½	2	37	19	83	42	0.28	296	2127
132	1.39½	1	28	28	39	39	0.21	184	2128
230	6.07	1	168	168	1,020	1,020	0.73	1,396	2129
230	3.69½	2	371	186	1,370	685	1.61	849	2130
230	1.70	1	189	189	321	321	0.82	391	2131
313	3.70	4	179	45	662	166	0.57	1,158	2132
27	.89½	2	48	24	43	22	1.78	24	2133
91	.61	1	57	57	35	35	0.63	56	2134
313	2.56	12	1,408	117	3,607	301	4.50	802	2135
132	1.71½	2	130	65	223	112	0.98	226	2136
77	.79½	5	316	63	252	50	4.10	61	2137
27	.86½	4	95	24	82	21	3.52	23	2138
78	.61½	13	854	66	527	41	10.95	48	2139
313	(a)	7	(a)	(a)	1,709	244	(a)	(a)	2140
313	2.61½	1	80	80	209	209	0.26	818	2141
313	1.62	1	119	119	193	193	0.38	508	2142
313	1.66½	1	3	3	5	5	0.01	522	2143
313	1.61½	2	174	87	281	141	0.56	505	2144
132	1.82½	3	167	56	221	74	1.27	175	2145
132	1.64	1	117	117	102	192	0.89	217	2146
135	.76	1	135	135	103	103	1.00	103	2147
313	.99½	5	1,395	279	1,390	278	4.45	312	2148
91	.88½	4	308	77	272	68	3.39	80	2149
313	1.07½	3	80	27	86	29	0.26	336	2150
313	.90	2	451	226	406	203	1.44	282	2151
155	1.00	2	109	55	110	55	0.70	156	2152
313	1.74	18	3,748	209	6,521	362	11.97	545	2153
313	1.06½	1	214	214	228	228	0.68	333	2154
313	1.61½	2	535	268	864	432	1.71	505	2155
48	.55	4	186	47	103	26	3.88	27	2156
155	1.38	5	221	44	305	61	1.43	214	2157
155	.84	1	38	38	32	32	0.25	131	2158
313	2.27½	10	1,775	178	4,042	404	5.67	713	2159
313	2.30½	5	1,313	263	3,026	605	4.19	721	2160
313	1.65	2	207	104	340	170	0.66	514	2161
365	1.37	1	304	304	417	417	0.83	501	2162
313	1.50	2	562	281	800	400	1.80	446	2163
202	2.30	5	463	93	1,066	213	2.29	465	2164
313	(a)	6	(a)	(a)	6,262	1,044	(a)	(a)	2165
313	.57	8	2,375	297	1,351	169	7.59	178	2166
91	.75½	4	320	80	241	60	3.52	69	2167
313	1.35	3	492	164	674	225	1.57	429	2168
202	1.00	1	92	92	92	92	0.46	202	2169
365	2.00	1	346	346	685	685	0.95	723	2170
313	.55	5	1,162	232	642	128	3.71	173	2171
365	1.50	4	751	188	1,121	280	2.06	545	2172
91	.55	5	365	73	200	40	4.01	50	2173
135	.84	4	540	135	452	113	4.00	113	2174
230	1.62½	2	191	96	310	155	0.83	373	2175
27	.67	33	472	14	317	10	17.48	18	2176

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- tab- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2177		Lining preparers .....	Steel ingots .....	Continent of Europe....
2178		Link welders .....	Mixed iron and steel ..	United States .....
2179		Loaders .....	Steel blooms .....	United States .....
2180		...do .....	Mixed iron and steel ..	Continent of Enrope....
2181		...do .....	Mixed iron and steel ..	Continent of Enrope....
2182		...do .....	Mixed iron and steel ..	Great Britain .....
2183		...do .....	Mixed iron and steel ..	Great Britain .....
2184		...do .....	Mixed iron and steel ..	Great Britain .....
2185	26	...do .....	Bituminous coal .....	United States .....
2186	156	...do .....	Bituminous coal .....	Continent of Enrope....
2187		...do .....	Bituminous coal .....	Continent of Enrope....
2188	6	...do .....	Coke .....	United States .....
2189	28	...do .....	Coke .....	Continent of Europe....
2190		...do .....	Coke .....	United States .....
2191	12	...do .....	Iron ore .....	United States .....
2192	46	...do .....	Iron ore .....	United States .....
2193	59	...do .....	Iron ore .....	United States .....
2194	26	Loader and teamster .....	Bituminous coal .....	United States .....
2195	26	Loaders and timbermen ..	Bituminous coal .....	United States .....
2196	26	Loader and trapper .....	Bituminous coal .....	United States .....
2197	26	Loader and watchman .....	Bituminous coal .....	United States .....
2198		Loaders and weighmen .....	Mixed iron and steel ..	Great Britain .....
2199	7	Loam mixers .....	Steel ingots .....	United States .....
2200		...do .....	Mixed iron and steel ..	Great Britain .....
2201		Locksmiths .....	Mixed iron and steel ..	Continent of Enrope....
2202		...do .....	Mixed iron and steel ..	Continent of Europe....
2203	10	Machinists .....	Pig iron .....	Northern district, U. S.
2204	32	...do .....	Pig iron .....	Northern district, U. S.
2205	42	...do .....	Pig iron .....	Northern district, U. S.
2206	58	...do .....	Pig iron .....	Northern district, U. S.
2207	83	...do .....	Pig iron .....	Northern district, U. S.
2208	101	...do .....	Pig iron .....	Southern district, U. S.
2209	103	...do .....	Pig iron .....	Southern district, U. S.
2210	109	...do .....	Pig iron .....	Southern district, U. S.
2211	7	...do .....	Muck bar iron .....	United States .....
2212	9	...do .....	Muck bar iron .....	United States .....
2213	26	...do .....	Muck bar iron .....	United States .....
2214	9	...do .....	Finished bar iron .....	United States .....
2215	1	...do .....	Steel ingots .....	United States .....
2216		...do .....	Steel ingots .....	Continent of Enrope....
2217		...do .....	Steel ingots .....	Continent of Europe....
2218		...do .....	Steel billets .....	United States .....
2219		...do .....	Steel blooms .....	United States .....
2220		...do .....	Steel blooms .....	United States .....
2221		...do .....	Steel rails .....	Continent of Europe....
2222		...do .....	Steel rails .....	Continent of Europe....
2223		...do .....	Mixed iron and steel ..	United States .....
2224		...do .....	Mixed iron and steel ..	United States .....
2225		...do .....	Mixed iron and steel ..	United States .....
2226		...do .....	Mixed iron and steel ..	United States .....
2227		...do .....	Mixed iron and steel ..	United States .....
2228		...do .....	Mixed iron and steel ..	United States .....
2229		...do .....	Mixed iron and steel ..	United States .....
2230		...do .....	Mixed iron and steel ..	Continent of Enrope....
2231		...do .....	Mixed iron and steel ..	Continent of Enrope....
2232		...do .....	Bituminous coal .....	United States .....
2233	148	...do .....	Bituminous coal .....	Dominion of Canada....
2234		...do .....	Bituminous coal .....	Continent of Enrope....
2235		...do .....	Coke .....	Continent of Europe....
2236	42	...do .....	Iron ore .....	United States .....
2237	72	...do .....	Iron ore .....	United States .....
2238	80	...do .....	Iron ore .....	Continent of Enrope....
2239		Machinist and puncher .....	Mixed iron and steel ..	United States .....
2240		Machinists' apprentices ..	Pig iron .....	Continent of Europe....
2241		...do .....	Steel ingots .....	Continent of Europe....
2242		...do .....	Steel blooms .....	United States .....
2243	10	Machinists' helpers .....	Pig iron .....	Northern district, U. S.



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
27	\$0.62½	2	59	30	\$37	\$19	2.19	\$17	2177
168	(a)	5	(a)	(a)	1,933	387	(a)	(a)	2178
230	1.78	8	623	78	1,110	139	2.70	410	2179
92	.45½	66	3,330	50	1,511	23	36.20	42	2180
313	.51½	12	2,779	232	1,434	120	8.88	162	2181
48	(a)	7	(a)	(a)	223	32	(a)	(a)	2182
156	1.18½	6	640	107	759	127	4.10	185	2183
53	(a)	(b)	(a)	(a)	443	(b)	(a)	(a)	2184
313	1.86	67	2,497	37	4,650	69	7.98	583	2185
77	.69½	20	910	46	632	32	11.81	53	2186
52	.57	11	481	44	274	25	9.25	30	2187
92	1.00	1	96	96	96	96	1.04	92	2188
313	1.20	27	737	27	884	33	2.36	375	2189
365	.37	17	2,363	139	873	51	6.47	135	2190
313	1.81	20	814	41	1,473	74	2.60	566	2191
313	1.21½	22	4,745	216	5,761	262	15.16	380	2192
313	.86	7	995	142	856	122	3.18	269	2193
313	1.68	1	78	78	131	131	0.25	526	2194
313	1.96½	4	169	42	332	83	0.54	615	2195
313	1.31½	1	143	143	188	188	0.46	411	2196
313	1.69	1	26	26	44	44	0.08	530	2197
48	(a)	10	(a)	(a)	402	40	(a)	(a)	2198
230	1.65	1	206	206	336	336	0.90	375	2199
53	(a)	1	(a)	(a)	42	42	(a)	(a)	2200
313	.65½	12	1,922	160	1,261	105	6.14	205	2201
313	.57½	17	5,189	305	2,986	176	16.58	180	2202
313	2.37½	5	892	178	2,118	424	2.84	743	2203
313	2.61	1	299	299	781	781	0.96	818	2204
365	1.91	2	684	342	1,308	654	1.87	698	2205
313	1.69	3	928	309	1,567	522	2.97	529	2206
79	1.65	1	78	78	129	129	0.99	131	2207
184	2.50	5	694	139	1,734	347	3.77	460	2208
365	3.00	1	340	340	1,019	1,019	0.93	1,094	2209
365	2.79½	1	366	366	1,020	1,020	1.00	1,017	2210
155	1.50	1	144	144	216	216	0.93	233	2211
313	2.33	4	158	40	368	92	0.50	729	2212
313	2.28	3	36	12	82	27	0.12	713	2213
313	2.33	4	158	40	368	92	0.50	729	2214
313	2.26	12	643	54	1,453	121	2.05	707	2215
77	.71½	6	446	74	320	53	5.80	55	2216
78	.50	1	81	81	40	40	1.04	39	2217
202	2.26	3	629	210	1,420	473	3.11	456	2218
144	2.40½	5	659	132	1,584	317	4.58	346	2219
251	2.19½	12	1,620	135	3,553	296	6.47	550	2220
77	.67	5	307	61	206	41	3.99	52	2221
78	.55	10	677	68	373	37	8.67	43	2222
313	2.23	9	698	78	1,555	173	2.23	697	2223
313	2.22	28	4,001	143	8,885	317	12.78	695	2224
313	2.57	13	2,648	204	6,809	524	8.45	805	2225
168	2.45½	7	773	110	1,897	271	4.60	412	2226
155	2.22	13	1,514	116	3,359	258	9.77	344	2227
313	(a)	2	(a)	(a)	701	351	(a)	(a)	2228
313	2.39	10	1,346	135	3,219	322	4.28	749	2229
313	.62	10	2,413	241	1,495	150	7.71	194	2230
79	.83½	5	311	62	260	52	3.93	66	2231
313	1.88	3	33	11	62	21	0.11	588	2232
313	1.74	2	653	327	1,137	569	2.09	545	2233
52	.81½	1	52	52	42	42	1.00	42	2234
365	1.00	1	30	30	30	30	0.08	365	2235
313	2.04½	5	1,550	310	3,168	634	4.96	640	2236
313	3.35	1	313	313	1,050	1,050	1.00	1,050	2237
158	.75	4	600	150	451	113	3.80	119	2238
155	2.70	1	131	131	354	354	0.85	419	2239
78	.26½	1	72	72	19	19	0.92	21	2240
78	.31½	2	150	75	47	24	1.92	24	2241
251	1.00	1	75	75	75	75	0.30	251	2242
313	1.60½	2	89	45	143	72	0.28	503	2243

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employés not given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2244	42	Machinists' helpers—concluded.....	Pig iron .....	Northern district, U. S..
2245	1	..do .....	Steel ingots .....	United States .....
2246	—	..do .....	Steel blooms .....	United States .....
2247	—	..do .....	Steel blooms .....	United States .....
2248	—	..do .....	Mixed iron and steel .....	United States .....
2249	—	..do .....	Mixed iron and steel .....	United States .....
2250	—	..do .....	Mixed iron and steel .....	United States .....
2251	—	..do .....	Mixed iron and steel .....	United States .....
2252	—	..do .....	Mixed iron and steel .....	United States .....
2253	42	..do .....	Iron ore .....	United States .....
2254	1	Machinists' helper and oiler .....	Steel ingots .....	United States .....
2255	—	Mail boys .....	Steel billets .....	United States .....
2256	44	Manager .....	Iron ore .....	United States .....
2257	1	Manganese heaters .....	Steel ingots .....	United States .....
2258	2	..do .....	Steel ingots .....	United States .....
2259	7	..do .....	Steel ingots .....	United States .....
2260	1	Manganese heater and scrapman .....	Steel ingots .....	United States .....
2261	2	Manganese heaters' helpers .....	Steel ingots .....	United States .....
2262	7	..do .....	Steel ingots .....	United States .....
2263	—	Markers .....	Mixed iron and steel .....	Great Britain .....
2264	—	..do .....	Mixed iron and steel .....	Continent of Europe .....
2265	156	..do .....	Bituminous coal .....	Continent of Europe .....
2266	9	Masons .....	Pig iron .....	Northern district, U. S..
2267	10	..do .....	Pig iron .....	Northern district, U. S..
2268	42	..do .....	Pig iron .....	Northern district, U. S..
2269	58	..do .....	Pig iron .....	Northern district, U. S..
2270	67	..do .....	Pig iron .....	Northern district, U. S..
2271	101	..do .....	Pig iron .....	Northern district, U. S..
2272	109	..do .....	Pig iron .....	Southern district, U. S..
2273	36	..do .....	Pig iron .....	Southern district, U. S..
2274	37	..do .....	Pig iron .....	Great Britain .....
2275	7	..do .....	Pig iron .....	Great Britain .....
2276	9	..do .....	Muck bar iron .....	United States .....
2277	26	..do .....	Muck bar iron .....	United States .....
2278	8	..do .....	Muck bar iron .....	United States .....
2279	1	..do .....	Finished bar iron .....	United States .....
2280	—	..do .....	Steel ingots .....	United States .....
2281	—	..do .....	Steel ingots .....	Continent of Europe .....
2282	—	..do .....	Steel ingots .....	Continent of Europe .....
2283	—	..do .....	Steel billets .....	United States .....
2284	—	..do .....	Mixed iron and steel .....	United States .....
2285	—	..do .....	Mixed iron and steel .....	United States .....
2286	—	..do .....	Mixed iron and steel .....	United States .....
2287	—	..do .....	Mixed iron and steel .....	United States .....
2288	—	..do .....	Mixed iron and steel .....	United States .....
2289	—	..do .....	Mixed iron and steel .....	Continent of Europe .....
2290	—	..do .....	Mixed iron and steel .....	Continent of Europe .....
2291	—	..do .....	Mixed iron and steel .....	Continent of Europe .....
2292	—	..do .....	Mixed iron and steel .....	Great Britain .....
2293	96	..do .....	Mixed iron and steel .....	Great Britain .....
2294	—	..do .....	Bituminous coal .....	United States .....
2295	—	..do .....	Bituminous coal .....	United States .....
2296	148	..do .....	Bituminous coal .....	United States .....
2297	156	..do .....	Bituminous coal .....	Dominion of Canada .....
2298	170	..do .....	Bituminous coal .....	Continent of Europe .....
2299	13	..do .....	Bituminous coal .....	Great Britain .....
2300	19	..do .....	Coke .....	United States .....
2301	28	..do .....	Coke .....	United States .....
2302	29	..do .....	Coke .....	United States .....
2303	—	..do .....	Coke .....	Continent of Europe .....
2304	12	..do .....	Iron ore .....	United States .....
2305	42	..do .....	Iron ore .....	United States .....
2306	72	..do .....	Iron ore .....	United States .....
2307	80	Mason and miner .....	Iron ore .....	Continent of Europe .....
2308	46	Masons and painters .....	Iron ore .....	United States .....
2309	10	Mason and stoveman .....	Pig iron .....	Northern district, U. S..
2310	10	Masons' helpers .....	Pig iron .....	Northern district, U. S..

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.

Work- ing days in the period	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Marg- inal num- ber-	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
365	\$1.00	2	315	158	\$326	\$163	0.26	\$378	2244
313	1.25	4	33	8	41	10	0.11	389	2245
144	1.83½	2	287	144	527	264	2.00	264	2246
251	1.44½	4	45	11	65	16	0.19	363	2247
313	1.50	14	601	43	903	65	1.92	470	2248
168	1.75	1	166	166	291	291	0.99	295	2249
155	.75	2	144	72	109	55	0.93	117	2250
313	1.47	3	936	312	1,376	459	2.99	460	2251
313	.90	5	823	165	741	148	2.62	282	2252
313	1.30	1	312	312	406	406	1.00	407	2253
313	1.31	1	29	29	38	38	0.09	410	2254
202	.43	2	217	109	93	47	1.07	87	2255
217	2.50	1	219	219	547	547	1.01	542	2256
313	1.44	2	292	146	420	210	0.93	450	2257
132	3.60	4	343	86	1,234	309	2.60	475	2258
230	5.20½	2	389	195	2,025	1,013	1.69	1,197	2259
313	1.47½	1	149	149	220	220	0.48	462	2260
132	2.64	2	218	109	576	288	1.65	349	2261
230	2.81½	3	394	131	1,109	370	1.71	647	2262
156	2.60½	5	625	125	1,627	325	4.00	406	2263
92	.21½	12	473	39	101	8	5.14	20	2264
77	.52½	2	82	41	43	22	1.07	40	2265
313	3.12½	10	276	28	862	86	0.88	978	2266
313	3.48	6	376	63	1,309	218	1.20	1,090	2267
313	2.52	4	383	96	965	241	1.22	789	2268
313	1.90	1	314	314	596	596	1.00	594	2269
313	3.50	5	43	9	150	30	0.14	1,092	2270
184	3.65½	2	26	13	95	48	0.14	672	2271
313	3.00	1	1	1	3	3	0.00	939	2272
78	.77½	3	216	72	167	56	2.77	60	2273
78	.70	5	389	78	272	54	4.99	55	2274
155	3.76	2	168	84	632	316	1.09	583	2275
313	6.37	1	259	259	1,650	1,650	0.83	1,994	2276
313	4.16	1	222	222	924	924	0.71	1,303	2277
299	2.75	1	299	299	822	822	1.00	822	2278
313	3.49½	8	119	15	416	52	0.38	1,094	2279
77	.78½	4	229	57	180	45	2.97	61	2280
27	.89½	3	66	22	59	20	2.44	24	2281
202	3.58½	4	418	105	1,498	375	2.07	724	2282
313	3.46	2	321	161	1,110	555	1.03	1,082	2283
313	3.20	11	912	83	2,930	266	2.91	1,006	2284
155	3.52	3	23	8	81	27	0.14	516	2285
313	1.35	1	127	127	171	171	0.41	421	2286
313	3.72	3	281	94	1,045	348	0.90	1,164	2287
313	.56	9	2,139	238	1,199	133	6.83	175	2288
92	.57	5	317	63	180	36	3.45	52	2289
313	.52	15	3,570	238	1,850	123	11.41	162	2290
48	.75	5	257	51	193	39	5.36	36	2291
53	.71½	9	492	55	353	39	9.29	38	2292
313	3.00	2	6	3	18	9	0.02	939	2293
313	2.33½	1	3	3	7	7	0.01	730	2294
313	2.25	1	4	4	9	9	0.01	704	2295
313	2.00	1	310	310	620	620	0.99	626	2296
77	.82	2	11	6	9	5	0.14	63	2297
91	1.40½	1	76	76	110	110	0.84	132	2298
313	2.06	7	794	113	2,112	302	2.54	833	2299
313	2.75	3	31	10	84	28	0.10	848	2300
313	3.50	1	19	19	66	66	0.06	1,087	2301
313	3.50	1	32	32	111	111	0.10	1,086	2302
365	.69½	1	18	18	13	13	0.05	264	2303
313	3.73½	2	15	8	56	28	0.05	1,169	2304
313	1.98	2	51	26	101	51	0.16	620	2305
313	3.83	6	87	15	333	56	0.28	1,198	2306
158	.75	1	147	147	110	110	0.93	118	2307
313	2.54	9	809	90	2,055	228	2.58	795	2308
365	1.98½	1	286	286	567	567	0.78	724	2309
313	1.38½	7	418	60	579	83	1.34	434	2310



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2311	36	Masons' helpers—concluded .....	Pig iron .....	Great Britain.....
2312	37	..do .....	Pig iron .....	Great Britain.....
2313	9	..do .....	Muck bar iron.....	United States.....
2314	26	..do .....	Muck bar iron.....	United States.....
2315	1	..do .....	Steel ingots.....	United States.....
2316		..do .....	Steel ingots.....	Continent of Europe.....
2317		..do .....	Steel ingots.....	Continent of Europe.....
2318		..do .....	Steel billets.....	United States.....
2319		..do .....	Mixed iron and steel.....	United States.....
2320		..do .....	Mixed iron and steel.....	United States.....
2321		..do .....	Mixed iron and steel.....	United States.....
2322		..do .....	Mixed iron and steel.....	Continent of Enrope.....
2323		..do .....	Mixed iron and steel.....	Continent of Europe.....
2324		..do .....	Mixed iron and steel.....	Continent of Europe.....
2325		..do .....	Mixed iron and steel.....	Great Britain.....
2326		..do .....	Mixed iron and steel.....	Great Britain.....
2327	148	..do .....	Bituminous coal.....	Dominion of Canada.....
2328	156	..do .....	Bituminous coal.....	Continent of Europe.....
2329	13	..do .....	Coke .....	United States.....
2330	101	Master machinists.....	Pig iron .....	Southern district, U. S.....
2331		..do .....	Steel blooms.....	United States.....
2332	9	Master masons.....	Pig iron .....	Northern district, U. S.....
2333	1	Master mechanics.....	Steel ingots.....	United States.....
2334	2	..do .....	Steel ingots.....	United States.....
2335		..do .....	Mixed iron and steel.....	United States.....
2336		Matchers.....	Mixed iron and steel.....	United States.....
2337		Mauler and puncher.....	Mixed iron and steel.....	United States.....
2338		Measurers.....	Mixed iron and steel.....	Great Britain.....
2339		..do .....	Coke .....	Continent of Enrope.....
2340	9	Mechanics.....	Pig iron .....	Northern district, U. S.....
2341	2	..do .....	Steel ingots.....	United States.....
2342	7	..do .....	Steel ingots.....	United States.....
2343		..do .....	Bituminous coal.....	United States.....
2344	156	..do .....	Bituminous coal.....	Continent of Europe.....
2345	170	..do .....	Bituminous coal.....	Great Britain.....
2346	2	Mechanics' helper.....	Steel ingots.....	United States.....
2347	170	Mechanics' shop boy.....	Bituminous coal.....	Great Britain.....
2348	1	Melters.....	Steel ingots.....	United States.....
2349	5	..do .....	Steel ingots.....	United States.....
2350		..do .....	Steel ingots.....	Continent of Europe.....
2351		..do .....	Mixed iron and steel.....	United States.....
2352		..do .....	Mixed iron and steel.....	Continent of Europe.....
2353		..do .....	Mixed iron and steel.....	Great Britain.....
2354	5	Melter and melters' helper.....	Steel ingots.....	United States.....
2355	1	Melter and scrapman.....	Steel ingots.....	United States.....
2356	5	Melters' helpers.....	Steel ingots.....	United States.....
2357		..do .....	Mixed iron and steel.....	United States.....
2358	36	Messengers.....	Pig iron .....	Great Britain.....
2359		..do .....	Mixed iron and steel.....	Continent of Europe.....
2360		..do .....	Mixed iron and steel.....	Continent of Europe.....
2361		..do .....	Mixed iron and steel.....	Great Britain.....
2362	9	Metal breakers.....	Pig iron .....	Northern district, U. S.....
2363	17	..do .....	Muck bar iron.....	United States.....
2364		..do .....	Steel blooms.....	United States.....
2365		..do .....	Mixed iron and steel.....	United States.....
2366	9	Metal carriers.....	Pig iron .....	Northern district, U. S.....
2367	55	..do .....	Pig iron .....	Northern district, U. S.....
2368	58	..do .....	Pig iron .....	Northern district, U. S.....
2369		..do .....	Pig iron .....	Great Britain.....
2370		..do .....	Mixed iron and steel.....	Continent of Europe.....
2371	9	Metal carrier and ore breaker.....	Pig iron .....	Northern district, U. S.....
2372	7	Metal stocker.....	Steel ingots.....	United States.....
2373	7	Metal stockers and scrap handlers.....	Steel ingots.....	United States.....
2374	7	Metal washer.....	Steel ingots.....	United States.....
2375	8	Metal wheelers.....	Finished bar iron.....	United States.....
2376	2	..do .....	Steel ingots.....	United States.....
2377	7	..do .....	Steel ingots.....	United States.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		Marginal number.	
		Different employes.	Days of work done.		Earnings.		Necessary employes.		Consequent average earnings per employé.
			Total.	Average.	Total.	Average.			
78	\$9.51	5	379	76	\$193	\$39	4.86	\$40	2311
78	.54½	11	863	78	471	43	11.06	43	2312
313	1.12½	1	191	191	216	216	0.61	354	2313
313	1.71	2	314	157	537	269	1.00	535	2314
313	1.51½	8	449	56	681	85	1.43	475	2315
77	.21½	2	122	61	26	13	1.58	16	2316
27	.30½	4	81	20	32	8	3.00	11	2317
202	1.50	10	328	33	492	49	1.62	303	2318
313	1.42½	21	1,479	70	2,106	100	4.73	446	2319
155	1.55	3	346	115	536	179	2.23	240	2320
313	1.50	1	65	65	98	98	0.21	472	2321
313	.22½	13	2,889	222	657	51	9.23	71	2322
92	.43	5	334	67	143	29	3.63	39	2323
313	.20½	13	2,288	176	474	36	7.31	65	2324
48	.55	6	271	45	148	25	5.65	26	2325
53	.54½	7	400	57	220	31	7.55	29	2326
313	1.20	1	308	308	360	360	0.98	366	2327
77	.57	1	7	7	4	4	0.09	44	2328
313	1.30	7	798	114	1,039	148	2.55	408	2329
184	4.07	2	167	84	680	340	0.91	749	2330
251	3.32	2	341	171	1,132	586	1.35	833	2331
313	4.58	2	43	22	197	99	0.14	1,434	2332
365	6.58½	1	319	319	2,100	2,100	0.87	2,403	2333
144	3.50	1	182	182	637	637	1.26	504	2334
313	3.26	1	215	215	701	701	0.69	1,021	2335
313	1.80	12	2,416	201	4,344	362	7.72	563	2336
155	1.42½	1	40	40	57	57	0.26	221	2337
53	.57	2	150	75	85	43	2.83	30	2338
365	.52	1	294	294	153	153	0.81	190	2339
313	2.00	1	71	71	143	143	0.23	630	2340
144	2.29½	2	313	157	719	360	12.17	331	2341
251	1.77	3	592	197	1,047	349	2.36	444	2342
313	2.60	1	5	5	13	13	0.02	814	2343
77	1.91½	1	75	75	144	144	0.97	148	2344
91	1.10½	2	162	81	179	90	1.78	101	2345
144	1.50	1	104	104	158	158	0.72	219	2346
91	.53½	1	74	74	38	38	0.81	47	2347
313	3.33½	3	279	93	930	310	0.89	1,043	2348
132	3.03	1	135	135	409	409	1.02	400	2349
78	.81½	22	1,386	63	1,132	51	17.76	64	2350
313	(a)	4	(a)	(a)	3,497	874	(a)	(a)	2351
313	1.11	3	853	284	945	315	2.73	347	2352
53	(a)	6	(a)	(a)	271	45	(a)	(a)	2353
132	2.28½	1	119	119	272	272	0.90	302	2354
313	2.54	1	50	50	127	127	0.16	795	2355
132	1.81	2	142	71	257	129	1.08	239	2356
313	(a)	11	(a)	(a)	5,024	457	(a)	(a)	2357
91	.28	1	91	91	25	25	1.00	25	2358
313	.60½	1	332	332	201	201	1.06	189	2359
313	.17½	1	304	304	53	53	0.97	55	2360
48	.31½	2	96	48	30	15	2.00	15	2361
365	1.94½	8	1,186	148	2,308	289	3.25	710	2362
286	2.00	5	750	150	1,475	295	2.62	562	2363
230	1.90	15	1,785	119	3,327	222	7.76	429	2364
313	1.83½	15	850	57	1,560	104	2.72	574	2365
365	2.92	19	1,274	67	3,720	196	3.50	1,066	2366
181	3.01	8	886	111	2,665	333	4.90	544	2367
313	(a)	(b)	(a)	(a)	16,093	(b)	(a)	(a)	2368
135	1.30	19	2,565	135	3,330	175	19.00	175	2369
77	.31	1	69	69	21	21	0.90	23	2370
365	2.61½	1	151	151	395	395	0.41	955	2371
230	2.50	1	6	6	15	15	0.03	575	2372
230	2.78	2	217	109	603	302	0.94	639	2373
230	1.50	1	6	6	9	9	0.03	345	2374
299	1.70	1	277	277	471	471	0.93	508	2375
132	2.33½	13	977	75	2,280	175	7.40	308	2376
230	3.48	10	1,672	167	5,819	582	7.27	800	2377

<sup>a</sup> Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
<sup>b</sup> Number of employes not given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2378	7	Metal wheeler and puller-down.....	Steel ingots.....	United States.....
2379	7	Metal wheelers and scrap stockers...	Steel ingots.....	United States.....
2380		Metal worker.....	Steel blooms.....	United States.....
2381		Metal worker and metal worker's helper	Steel blooms.....	United States.....
2382		Metal workers' helpers.....	Steel blooms.....	United States.....
2383	7	Millwrights.....	Muck bar iron.....	United States.....
2384	26	..do.....	Muck bar iron.....	United States.....
2385	8	..do.....	Finished bar iron.....	United States.....
2386		..do.....	Mixed iron and steel.....	United States.....
2387		..do.....	Mixed iron and steel.....	United States.....
2388		..do.....	Mixed iron and steel.....	United States.....
2389		..do.....	Mixed iron and steel.....	United States.....
2390		..do.....	Mixed iron and steel.....	United States.....
2391		..do.....	Mixed iron and steel.....	Great Britain.....
2392		Millwrights, assistant.....	Mixed iron and steel.....	Great Britain.....
2393		..do.....	Mixed iron and steel.....	United States.....
2394		Millwrights' laborers.....	Mixed iron and steel.....	Great Britain.....
2395	18	Mine bosses.....	Bituminous coal.....	United States.....
2396	26	..do.....	Bituminous coal.....	United States.....
2397	107	..do.....	Bituminous coal.....	United States.....
2398	148	..do.....	Bituminous coal.....	United States.....
2399	156	..do.....	Bituminous coal.....	Dominion of Canada.....
2400	1	..do.....	Bituminous coal.....	Continent of Europe.....
2401	12	..do.....	Iron ore.....	United States.....
2402	41	..do.....	Iron ore.....	United States.....
2403	48	..do.....	Iron ore.....	United States.....
2404	51	..do.....	Iron ore.....	United States.....
2405	56	..do.....	Iron ore.....	United States.....
2406	64	..do.....	Iron ore.....	United States.....
2407	69	..do.....	Iron ore.....	United States.....
2408	72	..do.....	Iron ore.....	United States.....
2409	148	Mine bosses, assistant.....	Iron ore.....	United States.....
2410	156	..do.....	Bituminous coal.....	Dominion of Canada.....
2411	51	..do.....	Bituminous coal.....	Continent of Europe.....
2412	156	Mine boss, chief.....	Iron ore.....	United States.....
2413	72	Mine runner.....	Bituminous coal.....	Continent of Europe.....
2414	18	Miners.....	Iron ore.....	United States.....
2415	55	..do.....	Bituminous coal.....	United States.....
2416	96	..do.....	Bituminous coal.....	United States.....
2417	107	..do.....	Bituminous coal.....	United States.....
2418	109	..do.....	Bituminous coal.....	United States.....
2419		..do.....	Bituminous coal.....	United States.....
2420		..do.....	Bituminous coal.....	United States.....
2421		..do.....	Bituminous coal.....	United States.....
2422		..do.....	Bituminous coal.....	United States.....
2423	148	..do.....	Bituminous coal.....	United States.....
2424	156	..do.....	Bituminous coal.....	Dominion of Canada.....
2425		..do.....	Bituminous coal.....	Continent of Europe.....
2426		..do.....	Bituminous coal.....	Continent of Europe.....
2427	170	..do.....	Bituminous coal.....	Continent of Europe.....
2428	1	..do.....	Bituminous coal.....	Great Britain.....
2429	12	..do.....	Iron ore.....	United States.....
2430	41	..do.....	Iron ore.....	United States.....
2431	42	..do.....	Iron ore.....	United States.....
2432	43	..do.....	Iron ore.....	United States.....
2433	44	..do.....	Iron ore.....	United States.....
2434	45	..do.....	Iron ore.....	United States.....
2435	46	..do.....	Iron ore.....	United States.....
2436	48	..do.....	Iron ore.....	United States.....
2437	51	..do.....	Iron ore.....	United States.....
2438	56	..do.....	Iron ore.....	United States.....
2439	59	..do.....	Iron ore.....	United States.....
2440	61	..do.....	Iron ore.....	United States.....
2441	64	..do.....	Iron ore.....	United States.....
2442	69	..do.....	Iron ore.....	United States.....
2443	72	..do.....	Iron ore.....	United States.....
2444	76	..do.....	Iron ore.....	United States.....
2445	77	..do.....	Iron ore.....	Continent of Europe.....
2446	80	..do.....	Iron ore.....	Continent of Europe.....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
230	\$2.15	1	33	33	\$71	\$71	0.14	\$495	2378
230	2.18	3	256	85	558	186	1.12	501	2379
251	3.00	1	170	170	511	511	0.68	754	2380
251	2.91	1	121	121	352	352	0.48	730	2381
251	2.75	2	393	197	1,081	541	1.57	690	2382
155	1.64	2	95	48	156	78	0.61	255	2383
313	2.23	2	277	139	618	309	0.89	698	2384
299	3.75	1	300	300	1,123	1,123	1.00	1,119	2385
313	3.32	1	430	430	1,429	1,429	1.37	1,040	2386
168	3.08	2	154	77	474	237	0.92	517	2387
155	2.25	2	215	108	483	242	1.39	348	2388
313	4.50	1	137	137	617	617	0.44	1,410	2389
156	1.41½	2	363	182	513	257	2.33	220	2390
53	.71	2	133	67	94	47	2.51	37	2391
313	2.09½	2	454	227	950	475	1.45	655	2392
313	1.72	2	644	322	1,107	554	2.06	538	2393
156	.89	3	649	216	578	193	4.16	139	2394
184	2.28½	1	184	184	420	420	1.00	420	2395
313	1.91½	2	373	187	717	359	1.19	602	2396
313	2.68½	1	183	183	490	490	0.58	838	2397
313	3.83½	1	313	313	1,200	1,200	1.00	1,200	2398
77	1.15	6	415	69	477	80	5.39	89	2399
365	3.56	1	365	365	1,300	1,300	1.00	1,300	2400
313	4.79	1	313	313	1,500	1,500	1.00	1,500	2401
313	2.00	1	301	301	601	601	0.96	625	2402
313	1.72½	1	313	313	540	540	1.00	540	2403
313	2.30	1	286	286	660	660	0.91	722	2404
365	2.63	1	365	365	960	960	1.00	960	2405
168	1.25	2	336	168	420	210	2.00	210	2406
313	2.30	1	313	313	720	720	1.00	720	2407
313	4.01½	2	630	315	2,529	1,265	2.01	1,256	2408
365	1.80½	2	730	365	1,319	660	2.00	660	2409
77	.77	6	245	41	195	33	3.18	61	2410
313	1.34	1	286	286	385	385	0.91	421	2411
77	1.52½	1	73	73	111	111	0.95	117	2412
313	2.10	1	15	15	32	32	0.05	668	2413
158	(a)	176	(a)	(a)	30,305	172	(a)	(a)	2414
313	(a)	186	(a)	(a)	17,025	92	(a)	(a)	2415
313	(a)	412	(a)	(a)	53,613	130	(a)	(a)	2416
313	(a)	255	(a)	(a)	29,899	117	(a)	(a)	2417
313	(a)	467	(a)	(a)	106,686	228	(a)	(a)	2418
313	(a)	227	(a)	(a)	58,615	258	(a)	(a)	2419
313	2.19½	284	28,531	100	62,612	220	91.15	687	2420
365	(a)	434	(a)	(a)	78,168	180	(a)	(a)	2421
313	2.00	812	45,688	56	91,376	113	145.97	626	2422
313	1.86	86	20,137	234	37,459	436	64.35	582	2423
77	1.02½	134	6,385	48	6,535	49	82.93	79	2424
52	.87½	54	2,090	39	1,830	34	40.20	46	2425
91	(a)	411	(a)	(a)	36,611	89	(a)	(a)	2426
313	(a)	(b)	(a)	(a)	36,837	(b)	(a)	(a)	2427
313	2.37	96	14,982	156	35,532	370	47.86	742	2428
313	1.08	158	16,360	104	17,694	112	52.26	339	2429
313	1.35	263	39,060	149	52,834	201	124.79	423	2430
313	1.29½	188	12,235	65	15,862	84	39.09	406	2431
217	1.25	24	4,075	170	5,094	212	18.78	271	2432
313	1.61½	203	24,324	120	39,249	193	77.71	505	2433
313	1.40½	135	25,386	188	35,608	264	81.10	439	2434
313	1.50½	28	2,395	86	3,605	129	7.66	471	2435
313	1.69½	34	4,144	122	7,020	207	13.25	531	2436
313	1.23½	16	1,671	104	2,003	131	5.34	392	2437
313	1.15	22	1,781	81	2,052	93	5.70	361	2438
155	1.25	9	326	36	407	45	2.10	194	2439
155	.82½	45	3,191	71	2,632	58	20.59	128	2440
313	1.00½	148	11,078	75	11,147	75	35.39	315	2441
313	1.99½	219	24,644	113	49,153	224	78.74	624	2442
313	.83	14	4,141	296	3,446	246	13.23	260	2443
313	1.01½	12	1,058	88	1,074	90	3.38	318	2444
158	.71½	181	25,278	140	18,037	100	159.99	113	2445

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employes not given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2446	148	Miners and miners' helpers.....	Bituminous coal.....	Dominion of Canada....
2447	45	Miners and ore cleaners.....	Iron ore.....	United States.....
2448	64	do.....	Iron ore.....	United States.....
2449	72	Miners and pit bosses.....	Iron ore.....	United States.....
2450		Miner and propman.....	Bituminous coal.....	United States.....
2451	107	Miners and pumpmen.....	Bituminous coal.....	United States.....
2452		do.....	Bituminous coal.....	United States.....
2453	72	do.....	Iron ore.....	United States.....
2454	109	Miners and rockmen.....	Bituminous coal.....	United States.....
2455	109	Miners and shifters.....	Bituminous coal.....	United States.....
2456		do.....	Bituminous coal.....	United States.....
2457		Miners and shovellers.....	Bituminous coal.....	United States.....
2458	45	Miner and stableman.....	Iron ore.....	United States.....
2459	72	Miner and teamster.....	Iron ore.....	United States.....
2460	148	Miners and timbermen.....	Bituminous coal.....	Dominion of Canada....
2461	96	Miners and tippelmen.....	Bituminous coal.....	United States.....
2462		Miners and tracklayers.....	Bituminous coal.....	United States.....
2463		Miner and tram-road repairer.....	Bituminous coal.....	United States.....
2464		Miners and trappers.....	Bituminous coal.....	United States.....
2465		do.....	Bituminous coal.....	United States.....
2466	42	Miner and wagonmaker.....	Iron ore.....	United States.....
2467	42	Miner and watchman.....	Iron ore.....	United States.....
2468	107	Miner and water boy.....	Bituminous coal.....	United States.....
2469		Miner and water hauler.....	Bituminous coal.....	United States.....
2470	41	Miner and weighman.....	Iron ore.....	United States.....
2471	148	Miners' helpers.....	Bituminous coal.....	Dominion of Canada....
2472	156	do.....	Bituminous coal.....	Continent of Europe....
2473	45	do.....	Iron ore.....	United States.....
2474	72	do.....	Iron ore.....	United States.....
2475	7	Mixers.....	Muck bar iron.....	United States.....
2476		do.....	Mixed iron and steel.....	Continent of Europe....
2477		Mixers and mixers' helpers.....	Steel blooms.....	United States.....
2478	6	Mortar man.....	Coke.....	United States.....
2479	7	Mould capper.....	Steel ingots.....	United States.....
2480	7	Mould cappers and pushers.....	Steel ingots.....	United States.....
2481	1	Mould coolers.....	Steel ingots.....	United States.....
2482	1	Mould cooler and stocker.....	Steel ingots.....	United States.....
2483	7	Mould setters.....	Steel ingots.....	United States.....
2484		do.....	Steel ingots.....	Continent of Europe....
2485		do.....	Steel ingots.....	Continent of Europe....
2486		Mould setters and steel pourers.....	Steel ingots.....	Continent of Europe....
2487	7	Mould swingers.....	Steel ingots.....	United States.....
2488		do.....	Steel ingots.....	Continent of Europe....
2489	7	Mould washers.....	Steel ingots.....	United States.....
2490	10	Moulders.....	Pig iron.....	Northern district, U. S..
2491	22	do.....	Pig iron.....	Northern district, U. S..
2492	41	do.....	Pig iron.....	Northern district, U. S..
2493	42	do.....	Pig iron.....	Northern district, U. S..
2494	103	do.....	Pig iron.....	Southern district, U. S..
2495	109	do.....	Pig iron.....	Southern district, U. S..
2496	36	do.....	Pig iron.....	Great Britain.....
2497	37	do.....	Pig iron.....	Great Britain.....
2498		do.....	Pig iron.....	Great Britain.....
2499		do.....	Mixed iron and steel.....	Continent of Europe....
2500		do.....	Mixed iron and steel.....	Great Britain.....
2501	42	do.....	Iron ore.....	United States.....
2502	103	Moulder and stocker.....	Pig iron.....	Southern district, U. S..
2503	41	Moulders' helpers.....	Pig iron.....	Northern district, U. S..
2504	42	do.....	Iron ore.....	United States.....
2505	1	Mouldmen.....	Steel ingots.....	United States.....
2506	1	Mouldman and scrap cleaner.....	Steel ingots.....	United States.....
2507	1	Mouldman and scrapman.....	Steel ingots.....	United States.....
2508	36	Navvies.....	Pig iron.....	Great Britain.....
2509	42	Nozzlemen.....	Iron ore.....	United States.....
2510	37	Number taker.....	Pig iron.....	Great Britain.....
2511		Numberers.....	Steel rails.....	Continent of Europe....
2512		Nut dresser.....	Mixed iron and steel.....	United States.....
2513		Nut tappers.....	Mixed iron and steel.....	United States.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		Marginal number.	
		Different employes.	Days of work done.		Earnings.		Necessary employes.		Consequent average earnings per employe.
			Total.	Average.	Total.	Average.			
313	\$1.64	8	1,682	210	\$2,759	\$345	5.37	\$513	2446
313	1.56	4	378	95	590	148	1.21	489	2447
155	.67	1	85	85	57	57	0.55	104	2448
313	2.25½	5	851	170	1,917	383	2.72	705	2449
365	(a)	1	(a)	(a)	245	245	(a)	(a)	2450
313	(a)	1	(a)	(a)	174	174	(a)	(a)	2451
365	(a)	1	(a)	(a)	324	324	(a)	(a)	2452
313	1.99	2	547	274	1,089	545	1.75	623	2453
313	(a)	12	(a)	(a)	1,590	133	(a)	(a)	2454
313	(a)	1	(a)	(a)	544	544	(a)	(a)	2455
365	(a)	1	(a)	(a)	476	476	(a)	(a)	2456
313	(a)	2	(a)	(a)	695	348	(a)	(a)	2457
313	1.37	1	25	25	34	34	0.08	426	2458
313	2.11½	1	53	53	112	112	0.17	661	2459
313	1.54	5	1,139	228	1,756	351	3.63	483	2460
313	(a)	2	(a)	(a)	552	276	(a)	(a)	2461
313	2.10	2	120	60	252	126	0.38	657	2462
313	(a)	1	(a)	(a)	110	110	(a)	(a)	2463
313	1.70½	2	88	44	150	75	0.28	534	2464
365	(a)	1	(a)	(a)	145	145	(a)	(a)	2465
313	1.45½	1	298	298	434	434	0.95	456	2466
313	1.24	1	340	340	422	422	1.00	388	2467
313	(a)	1	(a)	(a)	294	294	(a)	(a)	2468
313	1.87½	1	88	88	165	165	0.28	587	2469
313	1.18	1	207	207	244	244	0.66	369	2470
313	1.21½	45	6,190	138	7,512	167	19.78	380	2471
77	.56	23	1,074	47	603	26	13.93	43	2472
313	.67	2	265	133	177	89	0.85	209	2473
313	1.91½	34	3,154	93	6,045	178	10.08	600	2474
143	1.25	4	153	38	191	48	1.07	179	2475
313	.49	6	1,798	300	882	147	5.74	154	2476
132	1.83½	5	670	134	1,228	246	5.07	242	2477
92	1.00	1	54	54	54	54	0.59	92	2478
230	3.74	1	191	191	714	714	0.83	860	2479
230	3.46½	2	274	137	950	475	1.19	797	2480
313	1.35	8	240	30	326	41	0.77	425	2481
313	1.70	1	26	26	45	45	0.08	542	2482
230	5.31	4	742	186	3,941	985	3.23	1,222	2483
77	.63	4	238	60	150	38	3.09	49	2484
27	.75½	9	149	17	111	12	5.52	20	2485
27	.83½	2	48	24	40	20	1.78	23	2486
230	5.31	4	714	179	3,792	948	3.11	1,222	2487
77	.92	2	135	68	124	62	1.75	71	2488
230	1.55	5	679	134	1,036	207	2.91	356	2489
365	1.53½	2	265	133	407	204	0.73	561	2490
365	2.22	3	328	109	728	243	0.90	810	2491
167	1.65	3	331	110	546	182	1.98	275	2492
365	1.69	2	401	201	677	339	1.10	616	2493
365	1.75½	10	1,465	147	2,572	257	4.01	641	2494
365	1.55	1	268	268	414	414	0.73	564	2495
91	.58½	21	1,396	66	818	39	15.34	53	2496
91	.67	1	72	72	48	48	0.79	61	2497
135	.92	1	135	135	124	124	1.00	124	2498
313	.71	45	10,087	224	7,156	159	32.22	222	2499
53	(a)	14	(a)	(a)	682	49	(a)	(a)	2500
313	2.25	1	279	279	627	627	0.89	703	2501
365	1.23	1	144	144	177	177	0.39	449	2502
167	1.50	2	316	158	474	237	1.89	251	2503
313	1.15	1	302	302	361	361	0.96	374	2504
313	2.99	26	2,772	107	8,288	319	8.85	936	2505
313	2.59½	1	42	42	109	109	0.13	812	2506
313	1.98½	1	74	74	147	147	0.24	622	2507
91	.55	8	454	57	250	31	4.99	50	2508
313	1.45	3	852	284	1,228	409	2.72	451	2509
91	.40½	1	92	92	37	37	1.01	37	2510
78	.44½	2	139	70	62	31	1.79	35	2511
313	1.45½	1	101	101	147	147	0.32	456	2512
313	1.56½	2	87	44	136	68	0.28	489	2513

Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2514		Office boys.....	Mixed iron and steel..	United States.....
2515	109	..do.....	Bituminous coal.....	United States.....
2516		..do.....	Bituminous coal.....	United States.....
2517	55	Oilers.....	Pig iron.....	Northern district, U. S.
2518	109	..do.....	Pig iron.....	Southern district, U. S.
2519	1	..do.....	Steel ingots.....	United States.....
2520		..do.....	Steel billets.....	United States.....
2521		..do.....	Steel blooms.....	United States.....
2522		..do.....	Mixed iron and steel..	United States.....
2523	109	..do.....	Bituminous coal.....	United States.....
2524		..do.....	Bituminous coal.....	United States.....
2525	156	..do.....	Bituminous coal.....	Continent of Europe..
2526		Oil and puddlers' helper.	Mixed iron and steel..	United States.....
2527		Oil and trapper.....	Bituminous coal.....	United States.....
2528		Oilers and wheelers.....	Mixed iron and steel..	Great Britain.....
2529		Oil room hands.....	Mixed iron and steel..	United States.....
2530		Onsetters.....	Pig iron.....	Great Britain.....
2531		Onsetters, assistant.....	Pig iron.....	Great Britain.....
2532	9	Ore breakers.....	Pig iron.....	Northern district, U. S.
2533	32	..do.....	Pig iron.....	Northern district, U. S.
2534		..do.....	Pig iron.....	Continent of Europe..
2535	45	Ore cleaners.....	Iron ore.....	United States.....
2536	64	..do.....	Iron ore.....	United States.....
2537	28	Ore crushers.....	Muck bar iron.....	United States.....
2538	9	Ore dumpers.....	Pig iron.....	Northern district, U. S.
2539	101	..do.....	Pig iron.....	Southern district, U. S.
2540		Ore fillers.....	Mixed iron and steel..	Great Britain.....
2541		Ore grinders.....	Mixed iron and steel..	United States.....
2542		..do.....	Mixed iron and steel..	United States.....
2543		..do.....	Mixed iron and steel..	Great Britain.....
2544		Ore men.....	Mixed iron and steel..	Continent of Europe..
2545	9	Ore pilers.....	Pig iron.....	Northern district, U. S.
2546	44	Ore raisers.....	Iron ore.....	United States.....
2547	80	Ore setters.....	Iron ore.....	Continent of Europe..
2548	43	Ore sorters.....	Iron ore.....	United States.....
2549	43	Ore sorter and pit boss ..	Iron ore.....	United States.....
2550	17	Ore stockers.....	Muck bar iron.....	United States.....
2551	40	Ore wheelers.....	Pig iron.....	Continent of Europe..
2552	7	..do.....	Muck bar iron.....	United States.....
2553		..do.....	Mixed iron and steel..	United States.....
2554	41	Ovenmen.....	Pig iron.....	Northern district, U. S.
2555		Overseers.....	Steel ingots.....	Continent of Europe..
2556		..do.....	Steel ingots.....	Continent of Europe..
2557		..do.....	Steel rails.....	Continent of Europe..
2558		..do.....	Mixed iron and steel..	Continent of Europe..
2559		..do.....	Bituminous coal.....	Continent of Europe..
2560		Packers.....	Mixed iron and steel..	United States.....
2561	58	Painters.....	Pig iron.....	Northern district, U. S.
2562	1	..do.....	Steel ingots.....	United States.....
2563		..do.....	Steel billets.....	United States.....
2564	1	Panhouse men.....	Steel ingots.....	United States.....
2565	1	Panhouse man and scrapman	Steel ingots.....	United States.....
2566		Passer.....	Mixed iron and steel..	Great Britain.....
2567		Patcher.....	Mixed iron and steel..	Great Britain.....
2568		Patternmakers.....	Mixed iron and steel..	United States.....
2569		..do.....	Mixed iron and steel..	United States.....
2570		..do.....	Mixed iron and steel..	Great Britain.....
2571		..do.....	Mixed iron and steel..	Great Britain.....
2572	42	..do.....	Iron ore.....	United States.....
2573	29	Peelers.....	Finished bar iron.....	Great Britain.....
2574	7	Physio man.....	Muck bar iron.....	United States.....
2575	148	Pick handler.....	Bituminous coal.....	Dominion of Canada ..
2576	156	Pickers.....	Bituminous coal.....	Continent of Europe..
2577		..do.....	Coke.....	Continent of Europe..
2578		Picklers.....	Mixed iron and steel..	United States.....
2579		Picklers' helpers.....	Mixed iron and steel..	United States.....
2580		Pig iron paumen.....	Mixed iron and steel..	Continent of Europe..
2581	29	Pilers.....	Finished bar iron.....	Great Britain.....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$0.41½	2	312	156	\$131	\$66	1.00	\$131	2514
313	.55	1	140	140	78	78	0.45	174	2515
313	.50	1	4	4	2	2	0.01	157	2516
181	1.35	1	182	182	246	246	1.01	245	2517
365	1.00	1	361	361	361	361	0.99	365	2518
313	1.36	6	483	81	656	109	1.54	425	2519
202	1.42½	2	330	165	470	235	1.63	288	2520
230	1.65	8	765	96	1,247	156	3.33	375	2521
313	1.41½	5	881	176	1,247	249	2.81	443	2522
313	.90	1	249	249	226	226	0.80	234	2523
313	1.15	2	27	14	31	16	0.08	859	2524
77	.36	4	106	27	38	10	1.38	28	2525
313	1.54½	1	191	191	295	295	0.61	483	2526
313	.93	1	262	262	244	244	0.84	291	2527
48	1.77	2	87	44	154	77	1.81	85	2528
155	1.76	2	258	129	454	227	1.67	273	2529
135	1.01	2	270	135	273	137	2.00	137	2530
135	.87	2	270	135	234	117	2.00	117	2531
365	1.60	23	1,099	48	1,761	77	3.01	685	2532
365	1.50	11	801	73	1,182	107	2.19	539	2533
91	.53	6	422	70	224	37	4.64	48	2534
313	1.50	9	548	61	823	91	1.75	470	2535
155	.47	5	190	38	89	18	1.23	73	2536
313	1.31½	5	480	96	631	126	1.54	411	2537
365	2.00	1	1	1	2	2	0.00	730	2538
184	1.20	7	317	45	380	54	1.73	221	2539
156	.97½	2	94	47	91	46	0.60	151	2540
313	1.70	1	355	355	605	605	1.13	533	2541
313	1.50	1	333	333	489	489	1.06	460	2542
156	1.30	1	179	179	232	232	1.15	202	2543
79	.55	2	129	65	71	36	1.63	43	2544
365	1.60	6	163	27	259	43	0.45	580	2545
217	1.35	7	1,296	185	1,750	250	5.97	293	2546
153	.52	8	1,241	155	647	81	7.86	82	2547
313	1.37	8	1,487	186	2,040	255	4.75	429	2548
313	1.51	1	222	222	335	335	0.71	472	2549
286	1.37½	2	143	72	195	98	0.50	390	2550
90	.66	5	426	85	282	56	4.73	60	2551
143	1.85	1	87	87	161	161	0.61	265	2552
313	1.80	1	278	278	492	492	0.89	554	2553
167	1.75	2	329	105	577	289	1.97	293	2554
31	.96½	2	63	33	63	32	2.10	80	2555
78	1.45½	2	171	86	249	125	2.19	114	2556
78	1.07	6	417	70	447	75	5.35	84	2557
313	.53½	2	473	237	254	127	1.51	168	2558
52	.83½	1	60	60	50	50	1.15	43	2559
313	1.08½	2	268	134	291	146	0.86	340	2560
313	1.68½	4	371	93	625	156	1.19	527	2561
313	1.58½	3	36	12	57	19	0.12	496	2562
202	2.33½	1	3	3	7	7	0.01	471	2563
313	1.37½	9	870	97	1,198	133	2.77	431	2564
313	1.50	1	2	2	3	3	0.01	470	2565
53	.41	1	54	54	43	43	1.02	42	2566
48	(a)	1	(a)	(a)	104	104	(a)	(a)	2567
155	2.88	2	215	108	619	310	1.39	446	2568
313	2.00	1	209	209	419	419	0.67	627	2569
156	1.42	2	318	159	450	225	2.04	221	2570
53	.89	1	53	53	47	47	1.00	47	2571
313	2.00	1	302	302	605	605	0.96	627	2572
99	1.09½	2	215	108	236	118	2.17	109	2573
143	1.25	1	98	98	122	122	0.69	178	2574
313	1.15	1	292	292	335	335	0.93	359	2575
77	.25½	3	213	71	54	18	2.77	20	2576
365	.19½	2	338	169	66	33	0.93	71	2577
313	1.74	4	1,598	400	2,779	693	5.11	544	2578
313	1.55	6	1,651	275	2,558	426	5.27	485	2579
313	.68½	9	2,515	279	1,722	191	8.03	214	2580
99	.81	4	356	89	289	72	3.60	80	2581

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2582		Pilers—concluded.....	Mixed iron and steel..	United States.....
2583		do .....	Mixed iron and steel..	United States.....
2584		do .....	Mixed iron and steel..	Continent of Europe.....
2585		do .....	Mixed iron and steel..	Great Britain.....
2586		do .....	Mixed iron and steel..	Great Britain.....
2587		Piler, chief.....	Mixed iron and steel..	Continent of Europe.....
2588		Piler and puncher .....	Mixed iron and steel..	United States.....
2589		Pilers' helper .....	Mixed iron and steel..	Continent of Europe.....
2590		Pin pointers .....	Mixed iron and steel..	United States.....
2591		Pinchers.....	Mixed iron and steel..	Great Britain.....
2592	10	Pipe fitters .....	Pig iron .....	Northern district, U. S..
2593	1	do .....	Steel ingots.....	United States.....
2594		do .....	Steel billets.....	United States.....
2595		do .....	Mixed iron and steel..	United States.....
2596		do .....	Mixed iron and steel..	United States.....
2597		Pipe layer .....	Bituminous coal .....	United States.....
2598		Pipe-line boss.....	Mixed iron and steel..	United States.....
2599	45	Pipeman .....	Iron ore .....	United States.....
2600	96	Pit bosses .....	Bituminous coal .....	United States.....
2601	107	do .....	Bituminous coal .....	United States.....
2602		do .....	Bituminous coal .....	United States.....
2603		do .....	Bituminous coal .....	United States.....
2604	12	do .....	Iron ore .....	United States.....
2605	43	do .....	Iron ore .....	United States.....
2606	72	do .....	Iron ore .....	United States.....
2607	1	Pit cleaners.....	Steel ingots .....	United States.....
2608	7	do .....	Steel ingots.....	United States.....
2609		do .....	Steel ingots.....	Continent of Europe.....
2610		do .....	Steel ingots.....	Continent of Europe.....
2611	2	Pitmen .....	Steel ingots.....	United States.....
2612	5	do .....	Steel ingots.....	United States.....
2613		do .....	Steel ingots.....	Continent of Europe.....
2614		do .....	Mixed iron and steel..	United States.....
2615		do .....	Mixed iron and steel..	Great Britain.....
2616		do .....	Mixed iron and steel..	Great Britain.....
2617	2	Pitman and pusher .....	Steel ingots .....	United States.....
2618	7	Pitman and pushers' helper.....	Steel ingots.....	United States.....
2619	2	Pitmen and sanders .....	Steel ingots.....	United States.....
2620	2	Pitmen and vessel binders .....	Steel ingots.....	United States.....
2621	5	Pitmen's helpers.....	Steel ingots.....	United States.....
2622		Plate drafters.....	Mixed iron and steel..	Continent of Europe.....
2623		Plate heaters .....	Mixed iron and steel..	Continent of Europe.....
2624		Plate holders .....	Mixed iron and steel..	Great Britain.....
2625		Plate layers .....	Pig iron .....	Great Britain.....
2626	29	do .....	Finished bar iron.....	Great Britain.....
2627		do .....	Mixed iron and steel..	Great Britain.....
2628		do .....	Mixed iron and steel..	Great Britain.....
2629	148	do .....	Bituminous coal .....	Dominion of Canada.....
2630	170	do .....	Bituminous coal .....	Great Britain.....
2631		Plate layers' laborer.....	Mixed iron and steel..	Great Britain.....
2632		Plate ropers .....	Mixed iron and steel..	Continent of Europe.....
2633		Plate sorter .....	Mixed iron and steel..	Continent of Europe.....
2634		Platemen .....	Mixed iron and steel..	United States.....
2635		Plateman and straightener .....	Mixed iron and steel..	United States.....
2636		Plumbers.....	Steel blooms.....	United States.....
2637	170	do .....	Bituminous coal .....	Great Britain.....
2638		Plumbers' helper .....	Steel blooms.....	United States.....
2639		Poke-ins .....	Mixed iron and steel..	United States.....
2640		do .....	Mixed iron and steel..	United States.....
2641	10	Policemen .....	Pig iron .....	Northern district, U. S..
2642		do .....	Mixed iron and steel..	United States.....
2643		do .....	Mixed iron and steel..	United States.....
2644		do .....	Mixed iron and steel..	United States.....
2645	109	do .....	Bituminous coal .....	United States.....
2646		do .....	Bituminous coal .....	United States.....
2647	101	Porters .....	Pig iron .....	Southern district, U. S..
2648		do .....	Mixed iron and steel..	United States.....
2649		do .....	Mixed iron and steel..	Continent of Europe.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.48	29	3,615	125	\$5,351	\$185	11.55	\$463	2582
313	1.41	10	2,178	218	3,072	307	6.96	441	2583
77	.70½	3	153	51	108	36	1.99	54	2584
48	.33	7	332	47	110	16	6.91	16	2585
156	1.36½	2	256	128	350	175	1.64	214	2586
77	.95½	1	75	75	71	71	0.97	73	2587
313	1.33½	1	3	3	4	4	0.01	417	2588
77	.38½	1	74	74	29	29	0.96	30	2589
168	.75	8	442	55	332	42	2.63	126	2590
156	1.26½	7	780	111	988	141	5.00	197	2591
313	1.75½	3	163	54	286	95	0.52	549	2592
313	1.81½	4	161	40	292	73	0.52	568	2593
202	1.86	3	520	173	967	322	2.57	376	2594
155	1.50	1	157	157	229	229	1.01	226	2595
313	2.99½	3	337	112	1,010	337	1.08	938	2596
313	2.00	1	153	153	306	306	0.49	626	2597
313	2.50	1	131	131	325	325	0.42	777	2598
313	1.75	1	72	72	126	126	0.23	548	2599
313	2.43½	2	256	128	623	312	0.81	762	2600
313	2.50	1	130	130	325	325	0.42	783	2601
313	2.87½	1	313	313	900	900	1.00	900	2602
313	1.67½	2	389	195	650	325	1.24	523	2603
313	2.50	2	599	300	1,498	749	1.91	783	2604
313	1.60½	7	1,209	173	1,941	277	3.86	503	2605
313	2.35	11	2,474	225	5,809	528	7.90	735	2606
313	2.41	11	1,045	95	2,521	229	3.34	755	2607
230	1.55	12	685	57	1,061	88	2.98	356	2608
77	.62½	3	153	51	96	32	1.99	48	2609
27	.62½	1	30	30	19	19	1.11	17	2610
132	3.58½	15	1,386	92	4,967	331	10.50	473	2611
132	1.69½	2	222	111	376	188	1.68	224	2612
78	.67	33	1,022	58	1,283	39	24.64	52	2613
313	(a)	9	(a)	(a)	3,043	338	(a)	(a)	2614
156	(a)	6	(a)	(a)	625	104	(a)	(a)	2615
53	(a)	13	(a)	(a)	455	35	(a)	(a)	2616
132	2.33	1	112	112	261	261	0.85	308	2617
230	3.13	1	153	153	479	479	0.67	720	2618
132	2.91½	2	203	102	592	296	1.54	385	2619
132	3.06½	2	203	102	622	311	1.54	404	2620
132	1.38	10	323	32	445	45	2.45	182	2621
313	.78	3	1,062	354	831	277	3.39	245	2622
313	.69	2	621	311	428	214	1.98	216	2623
53	.24½	2	56	28	14	7	1.06	13	2624
135	.79	5	580	116	457	91	4.30	106	2625
99	.77	2	230	115	176	88	2.32	76	2626
156	.97½	1	143	143	139	139	0.92	152	2627
53	.59	1	41	41	24	24	0.77	31	2628
313	1.10	2	333	167	366	183	1.06	344	2629
91	.93½	3	232	77	217	72	2.55	85	2630
156	.81	1	143	143	114	114	0.92	124	2631
313	.53½	5	1,695	339	911	182	5.42	168	2632
313	.66	1	331	331	218	218	1.06	206	2633
313	1.65	26	3,154	121	5,191	200	10.08	515	2634
313	1.18	1	50	50	59	59	0.16	369	2635
144	2.00	1	147	147	294	294	1.02	288	2636
91	1.23½	1	79	79	100	100	0.87	115	2637
144	1.50	1	167	167	252	252	1.16	217	2638
286	2.25	2	245	123	551	276	0.86	643	2639
287	1.50	5	1,222	244	1,833	367	4.26	431	2640
365	1.48	8	418	52	618	77	1.15	540	2641
313	1.25	2	267	134	333	167	0.85	390	2642
155	1.50	7	579	83	860	123	3.74	230	2643
313	1.50	7	1,085	155	1,026	232	3.47	469	2644
313	.95½	1	131	131	125	125	0.42	299	2645
313	.95½	2	163	82	156	78	0.52	300	2646
184	.98	1	153	153	150	150	0.82	180	2647
313	1.48	1	356	356	527	527	1.14	463	2648
92	.42	8	628	79	265	33	6.83	39	2649

α Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presents for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber..	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2650		Porters—concluded.....	Mixed iron and steel..	Continent of Enrope....
2651		do.....	Coke.....	Continent of Europe....
2652		Press hands.....	Steel rails.....	Continent of Europe....
2653		Pressmen.....	Steel blooms.....	United States.....
2654		do.....	Mixed iron and steel..	Great Britain.....
2655		Pressmen's helpers.....	Steel blooms.....	United States.....
2656		Propman and weighman.....	Bituminous coal.....	United States.....
2657	7	Puddlers.....	Muck bar iron.....	United States.....
2658	9	do.....	Muck bar iron.....	United States.....
2659	17	do.....	Muck bar iron.....	United States.....
2660	26	do.....	Muck bar iron.....	United States.....
2661		do.....	Mixed iron and steel..	United States.....
2662		do.....	Mixed iron and steel..	United States.....
2663		do.....	Mixed iron and steel..	United States.....
2664		do.....	Mixed iron and steel..	United States.....
2665		do.....	Mixed iron and steel..	United States.....
2666		do.....	Mixed iron and steel..	United States.....
2667		do.....	Mixed iron and steel..	United States.....
2668		do.....	Mixed iron and steel..	United States.....
2669		do.....	Mixed iron and steel..	Continent of Europe....
2670		do.....	Mixed iron and steel..	Continent of Europe....
2671		do.....	Mixed iron and steel..	Continent of Enrope....
2672		do.....	Mixed iron and steel..	Great Britain.....
2673	17	Puddlers, boss.....	Mixed iron and steel..	Great Britain.....
2674		do.....	Muck bar iron.....	United States.....
2675		do.....	Mixed iron and steel..	United States.....
2676	7	Puddlers and puddlers' helpers.....	Mixed iron and steel..	United States.....
2677		do.....	Muck bar iron.....	United States.....
2678		do.....	Mixed iron and steel..	United States.....
2679	7	Puddlers' helpers.....	Mixed iron and steel..	United States.....
2680	9	do.....	Muck bar iron.....	United States.....
2681	17	do.....	Muck bar iron.....	United States.....
2682	26	do.....	Muck bar iron.....	United States.....
2683		do.....	Mixed iron and steel..	United States.....
2684		do.....	Mixed iron and steel..	United States.....
2685		do.....	Mixed iron and steel..	United States.....
2686		do.....	Mixed iron and steel..	United States.....
2687		do.....	Mixed iron and steel..	United States.....
2688		do.....	Mixed iron and steel..	United States.....
2689		do.....	Mixed iron and steel..	United States.....
2690		do.....	Mixed iron and steel..	United States.....
2691		Puddlers' helper and rougher.....	Mixed iron and steel..	Continent of Enrope....
2692		Puddlers' helper and rougher-up.....	Mixed iron and steel..	United States.....
2693		Puddlers' helper and shearmen's helper.....	Mixed iron and steel..	United States.....
2694	7	Pullers at squeezers.....	Muck bar iron.....	United States.....
2695	7	Pullers-down.....	Steel ingots.....	United States.....
2696		do.....	Mixed iron and steel..	United States.....
2697		Pullers-out.....	Mixed iron and steel..	United States.....
2698		Puller-out and rougher.....	Mixed iron and steel..	United States.....
2699		Pullers-over.....	Mixed iron and steel..	Great Britain.....
2700		Pullers-up.....	Mixed iron and steel..	United States.....
2701		do.....	Mixed iron and steel..	United States.....
2702		do.....	Mixed iron and steel..	United States.....
2703		do.....	Mixed iron and steel..	Great Britain.....
2704		do.....	Mixed iron and steel..	Great Britain.....
2705	8	Pullers-up (boys).....	Finished bar iron.....	United States.....
2706		do.....	Mixed iron and steel..	United States.....
2707		Pump reversers.....	Steel blooms.....	United States.....
2708	1	Pumpmen.....	Steel ingots.....	United States.....
2709	5	do.....	Steel ingots.....	United States.....
2710		do.....	Mixed iron and steel..	United States.....
2711		do.....	Mixed iron and steel..	Continent of Europe....
2712	28	do.....	Bituminous coal.....	United States.....
2713	107	do.....	Bituminous coal.....	United States.....
2714		do.....	Bituminous coal.....	United States.....
2715		do.....	Bituminous coal.....	United States.....
2716		do.....	Bituminous coal.....	United States.....
2717	148	do.....	Bituminous coal.....	Dominion of Canada....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
92	\$0.48½	1	92	92	\$44	\$44	1.00	\$44	2650
365	.44½	1	309	309	137	137	0.85	162	2651
78	.51½	16	1,021	64	526	33	13.09	40	2652
251	3.02½	3	386	129	1,167	389	1.54	759	2653
48	.44	7	286	41	126	18	5.96	21	2654
251	1.51½	5	298	60	451	90	1.19	380	2655
313	1.87½	1	118	118	221	221	0.38	586	2656
143	3.80½	53	2,900	50	11,039	190	20.29	544	2657
286	3.88	11	2,502	227	9,708	883	8.75	1,110	2658
286	3.39	104	9,883	95	33,513	322	34.56	970	2659
286	3.07	55	8,559	156	26,262	477	29.93	878	2660
313	(a)	67	(a)	(a)	18,373	274	(a)	(a)	2661
286	(a)	17	(a)	(a)	19,939	1,173	(a)	(a)	2662
286	1.87	81	9,638	119	18,003	222	33.70	534	2663
313	4.08½	14	2,021	144	8,251	589	6.46	1,278	2664
287	3.40	109	14,746	135	50,137	460	51.38	976	2665
168	(a)	5	(a)	(a)	2,108	422	(a)	(a)	2666
313	(a)	18	(a)	(a)	15,402	856	(a)	(a)	2667
77	1.08	11	651	59	702	64	8.45	83	2668
313	.92½	213	45,158	212	41,693	196	144.27	289	2669
79	1.13	45	2,015	45	2,377	53	25.50	93	2670
48	(a)	57	(a)	(a)	2,377	42	(a)	(a)	2671
156	1.44	12	1,458	122	2,099	175	9.35	225	2672
286	3.41½	1	193	193	659	659	0.67	977	2673
286	2.20½	2	598	299	1,320	660	2.09	631	2674
287	3.89	1	276	276	1,074	1,074	0.96	1,117	2675
143	2.65½	2	194	97	515	258	1.35	380	2676
313	(a)	12	(a)	(a)	1,720	144	(a)	(a)	2677
313	3.20½	1	204	204	654	654	0.65	1,003	2678
143	1.84½	56	2,245	40	4,145	74	15.70	264	2679
286	2.38	17	3,153	185	7,506	442	11.03	681	2680
286	2.11	104	9,881	95	20,829	200	34.55	603	2681
236	1.26½	110	17,064	155	21,607	196	59.66	262	2682
313	(a)	123	(a)	(a)	9,744	70	(a)	(a)	2683
286	(a)	27	(a)	(a)	11,412	423	(a)	(a)	2684
286	1.13½	81	9,645	119	10,965	135	33.73	325	2685
313	2.17	19	2,100	111	4,561	240	6.70	680	2686
287	2.10	109	14,746	135	30,966	284	51.38	603	2687
168	(a)	5	(a)	(a)	659	132	(a)	(a)	2688
313	(a)	18	(a)	(a)	9,500	533	(a)	(a)	2689
77	.84½	7	396	57	334	48	5.14	65	2690
313	(a)	1	(a)	(a)	32	32	(a)	(a)	2691
313	2.20	1	86	86	189	189	0.27	668	2692
313	1.54	1	74	74	114	114	0.24	482	2693
143	1.35½	7	175	25	237	34	1.22	104	2694
230	1.62½	6	257	43	418	70	1.11	374	2695
313	1.63	10	1,888	189	3,074	307	6.03	510	2696
313	1.43	9	1,122	125	1,603	178	3.58	447	2697
313	1.77	1	153	153	271	271	0.49	554	2698
53	.57	2	99	50	56	28	1.87	30	2699
313	1.20½	4	626	157	754	189	2.00	377	2700
287	1.25	3	160	53	199	66	0.56	357	2701
313	.75	5	650	130	487	97	2.08	235	2702
48	.86½	10	369	37	135	14	7.68	18	2703
53	.39	6	265	44	104	17	5.00	21	2704
290	.30	3	551	184	165	55	1.84	90	2705
287	.48	6	537	90	258	43	1.87	138	2706
230	1.60	2	474	237	777	389	2.06	377	2707
313	1.60	2	402	201	649	325	1.28	505	2708
132	1.50	5	200	40	301	60	1.52	199	2709
313	1.62½	2	8	4	13	7	0.03	509	2710
313	.46	5	1,267	253	585	117	4.05	145	2711
313	1.33½	1	3	3	4	4	0.01	417	2712
313	1.00	2	54	27	54	27	0.17	313	2713
313	1.39	1	10	10	13	13	0.03	407	2714
313	1.12½	2	407	234	525	263	1.49	352	2715
313	1.56	6	681	114	1,064	177	2.18	489	2716
313	1.35	1	316	316	427	427	1.01	423	2717

α Paid by the quantity. The daily rate of pay and days of work done cannot be given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2718	156	Pumpmen—concluded	Bituminous coal	Continent of Europe
2719	19	do	Coke	United States
2720	12	do	Iron ore	United States
2721	69	do	Iron ore	United States
2722	72	do	Iron ore	United States
2723		Pumpman and trapper	Bituminous coal	United States
2724		Punchers	Mixed iron and steel	United States
2725		do	Mixed iron and steel	United States
2726		do	Mixed iron and steel	United States
2727		do	Mixed iron and steel	Great Britain
2728		do	Mixed iron and steel	Great Britain
2729		Puncher and straightener	Mixed iron and steel	United States
2730	2	Pushers	Steel ingots	United States
2731	7	do	Steel ingots	United States
2732		do	Mixed iron and steel	Great Britain
2733		do	Bituminous coal	United States
2734		do	Bituminous coal	United States
2735	2	Pushers and sanders	Steel ingots	United States
2736	7	Pusher and test catcher	Steel ingots	United States
2737	2	Pushers and vessel cinders	Steel ingots	United States
2738	7	Pusher and vessel repairer	Steel ingots	United States
2739		Rail handlers	Steel rails	Continent of Europe
2740	58	Railroad boss	Pig iron	Northern district, U. S.
2741		Raiser	Mixed iron and steel	Great Britain
2742	2	Regulators	Steel ingots	United States
2743	7	do	Steel ingots	United States
2744		do	Steel ingots	Continent of Europe
2745	2	Regulator and test boy	Steel ingots	United States
2746	7	Regulator and tester	Steel ingots	United States
2747	7	Regulator and water boy	Steel ingots	United States
2748	42	Repairers	Pig iron	Northern district, U. S.
2749		do	Mixed iron and steel	Continent of Europe
2750		do	Mixed iron and steel	Great Britain
2751	32	Repairers, car	Pig iron	Northern district, U. S.
2752	95	do	Pig iron	Southern district, U. S.
2753		Repairer, cupola	Steel blooms	United States
2754		Repairers, furnace	Mixed iron and steel	Continent of Europe
2755	29	Repairer, oven	Coke	United States
2756	109	Repairers and rockmen	Bituminous coal	United States
2757		Reversers	Mixed iron and steel	United States
2758	1	Riggers	Steel ingots	United States
2759		do	Steel billets	United States
2760		do	Mixed iron and steel	United States
2761	170	Rippers	Bituminous coal	Great Britain
2762	170	Road repairers	Bituminous coal	Great Britain
2763	170	Road repairers' helpers	Bituminous coal	Great Britain
2764	18	Roadmen	Bituminous coal	United States
2765	96	do	Bituminous coal	United States
2766	107	do	Bituminous coal	United States
2767		do	Bituminous coal	United States
2768	170	do	Bituminous coal	United States
2769	109	Rockmen	Bituminous coal	Great Britain
2770		Roll cleaners	Bituminous coal	United States
2771		do	Mixed iron and steel	United States
2772		do	Mixed iron and steel	Great Britain
2773		Roll bands	Steel blooms	United States
2774	29	Roll band and roller	Steel blooms	United States
2775	29	Roll raggers	Finished bar iron	Great Britain
2776		Roll scalers	Finished bar iron	Great Britain
2777	9	Roll table tenders	Mixed iron and steel	Continent of Europe
2778	8	Roll turners	Muck bar iron	United States
2779	9	do	Finished bar iron	United States
2780		do	Finished bar iron	United States
2781		do	Mixed iron and steel	United States
2782		do	Mixed iron and steel	United States
2783		do	Mixed iron and steel	United States
2784		do	Mixed iron and steel	United States



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
77	\$0.59	2	149	75	\$88	\$44	1.94	\$45	2718
313	1.75	2	250	125	450	225	0.80	563	2719
313	1.80	2	672	336	1,225	613	2.15	571	2720
313	1.25	4	434	109	529	132	1.39	382	2721
313	1.86½	7	1,164	166	2,168	310	3.72	583	2722
313	.97½	1	129	129	126	126	0.41	306	2723
313	.80	19	749	39	601	32	2.38	251	2724
313	1.93	5	547	109	1,057	211	1.75	605	2725
155	1.17½	23	600	26	706	31	3.88	182	2726
48	.58½	20	910	46	531	27	18.96	28	2727
53	.63	4	188	47	116	29	3.55	33	2728
155	1.73	1	48	48	83	83	0.31	268	2729
132	2.21	2	96	48	212	106	0.73	292	2730
230	3.11	2	360	180	1,120	560	1.57	716	2731
156	.97½	2	132	66	128	64	0.85	151	2732
313	1.10	1	205	205	225	225	0.65	344	2733
313	1.35½	2	331	166	440	225	1.06	425	2734
132	2.15½	2	186	93	401	201	1.41	285	2735
230	2.08	1	101	101	210	210	0.44	478	2736
132	2.54½	2	33	17	84	42	0.25	336	2737
230	1.96½	1	89	89	175	175	0.39	452	2738
78	.61½	25	1,286	51	789	32	16.48	48	2739
313	2.00	1	297	297	594	594	0.95	626	2740
48	.25	1	4	4	1	1	0.08	12	2741
132	2.26½	9	854	95	1,933	215	6.47	299	2742
230	2.45½	11	1,450	132	3,558	323	6.30	564	2743
27	.62½	4	64	16	40	10	2.37	17	2744
132	1.67½	1	101	101	169	169	0.77	221	2745
230	1.68	1	223	223	375	375	0.97	387	2746
230	.90	1	20	20	18	18	0.09	207	2747
313	1.50	2	352	176	528	264	1.12	470	2748
92	.53½	4	309	77	166	42	3.36	49	2749
48	.62½	1	53	53	33	33	1.10	30	2750
313	1.60	1	352	352	563	563	1.12	501	2751
334	2.25	1	4	4	9	9	0.01	752	2752
230	2.50	1	204	204	510	510	0.89	575	2753
92	.52½	3	63	21	33	11	0.68	48	2754
313	1.50	1	292	292	437	437	0.93	468	2755
313	(a)	2	(a)	(a)	187	94	(a)	(a)	2756
313	1.16½	9	1,252	139	1,459	162	4.00	365	2757
313	1.75	3	52	17	91	39	0.16	548	2758
202	1.50	2	193	97	290	145	0.96	304	2759
313	1.69½	1	66	66	112	112	0.21	531	2760
91	1.61½	27	1,455	54	2,353	87	15.99	147	2761
91	1.31½	12	894	75	1,175	98	9.83	120	2762
91	.48½	4	300	75	152	38	3.30	46	2763
158	1.52	10	1,631	163	2,476	248	10.33	240	2764
313	2.00	2	518	259	1,036	518	1.65	626	2765
313	2.00	3	216	72	427	142	0.69	619	2766
313	2.02	3	381	127	769	256	1.21	632	2767
91	(a)	1	(a)	(a)	70	70	(a)	(a)	2768
313	(a)	9	(a)	(a)	225	25	(a)	(a)	2769
313	1.23	2	522	261	642	321	1.67	385	2770
156	.95½	2	307	154	292	146	1.97	143	2771
132	2.94	6	536	89	1,575	263	4.00	388	2772
132	3.97½	1	127	127	505	505	0.96	525	2773
99	.73	1	123	123	90	90	1.24	72	2774
99	.68½	3	294	98	202	67	2.97	68	2775
313	.48½	8	1,516	190	735	92	4.84	152	2776
313	6.09½	1	31	31	189	189	0.10	1,908	2777
299	3.00	1	202	202	605	605	0.68	896	2778
313	5.99½	1	148	148	887	887	0.47	1,876	2779
313	4.00	1	222	222	890	890	0.71	1,255	2780
313	6.35	2	377	189	2,394	1,197	1.20	1,988	2781
313	6.71	1	313	313	2,100	2,100	1.00	2,100	2782
287	8.50	1	281	281	2,384	2,384	0.98	2,435	2783
168	(a)	1	(a)	(a)	398	398	(a)	(a)	2784

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2785		Roll turners—concluded .....	Mixed iron and steel..	United States.....
2786		do .....	Mixed iron and steel..	United States.....
2787		do .....	Mixed iron and steel..	United States.....
2788		do .....	Mixed iron and steel..	Continent of Europe..
2789		do .....	Mixed iron and steel..	Great Britain.....
2790		do .....	Mixed iron and steel..	Great Britain.....
2791		Roll turners' apprentice .....	Mixed iron and steel..	Continent of Europe..
2792		Roll turners' helper .....	Mixed iron and steel..	United States.....
2793		Roller holders .....	Mixed iron and steel..	Great Britain.....
2794	7	Rollers .....	Muck bar iron .....	United States.....
2795	9	do .....	Muck bar iron .....	United States.....
2796	17	do .....	Muck bar iron .....	United States.....
2797	26	do .....	Muck bar iron .....	United States.....
2798	8	do .....	Finished bar iron .....	United States.....
2799	9	do .....	Finished bar iron .....	United States.....
2800	29	do .....	Finished bar iron .....	Great Britain.....
2801		do .....	Steel blooms .....	United States.....
2802		do .....	Steel blooms .....	United States.....
2803		do .....	Steel rails .....	Continent of Europe..
2804		do .....	Steel rails .....	Continent of Europe..
2805		do .....	Mixed iron and steel..	United States.....
2806		do .....	Mixed iron and steel..	United States.....
2807		do .....	Mixed iron and steel..	United States.....
2808		do .....	Mixed iron and steel..	United States.....
2809		do .....	Mixed iron and steel..	United States.....
2810		do .....	Mixed iron and steel..	United States.....
2811		do .....	Mixed iron and steel..	United States.....
2812		do .....	Mixed iron and steel..	United States.....
2813		do .....	Mixed iron and steel..	United States.....
2814		do .....	Mixed iron and steel..	Continent of Europe..
2815		do .....	Mixed iron and steel..	Continent of Europe..
2816		do .....	Mixed iron and steel..	Continent of Europe..
2817		do .....	Mixed iron and steel..	Continent of Europe..
2818		do .....	Mixed iron and steel..	Continent of Europe..
2819		do .....	Mixed iron and steel..	Great Britain.....
2820		do .....	Mixed iron and steel..	Great Britain.....
2821		do .....	Mixed iron and steel..	Great Britain.....
2822	8	Roller, boss .....	Finished bar iron .....	United States.....
2823		Rollers, chief .....	Steel rails .....	Continent of Europe..
2824		Rollers and crews .....	Mixed iron and steel..	United States.....
2825		do .....	Mixed iron and steel..	United States.....
2826		Roller and rougher-down .....	Mixed iron and steel..	United States.....
2827		Roller and weighman .....	Mixed iron and steel..	United States.....
2828	9	Rollers' helpers .....	Muck bar iron .....	United States.....
2829	8	do .....	Finished bar iron .....	United States.....
2830	9	do .....	Finished bar iron .....	United States.....
2831	29	do .....	Finished bar iron .....	Great Britain.....
2832		do .....	Steel rails .....	Continent of Europe..
2833		do .....	Steel rails .....	Continent of Europe..
2834		do .....	Mixed iron and steel..	United States.....
2835		do .....	Mixed iron and steel..	United States.....
2836		do .....	Mixed iron and steel..	United States.....
2837		do .....	Mixed iron and steel..	United States.....
2838		do .....	Mixed iron and steel..	United States.....
2839		do .....	Mixed iron and steel..	United States.....
2840		do .....	Mixed iron and steel..	Continent of Europe..
2841		do .....	Mixed iron and steel..	Great Britain.....
2842	29	Rollers' helpers (boys) .....	Finished bar iron .....	Great Britain.....
2843		Rollers' helpers and roughers .....	Mixed iron and steel..	United States.....
2844	1	Roofers .....	Steel ingots .....	United States.....
2845	72	Rope men .....	Iron ore .....	United States.....
2846	7	Roughers .....	Muck bar iron .....	United States.....
2847	17	do .....	Muck bar iron .....	United States.....
2848	26	do .....	Muck bar iron .....	United States.....
2849	8	do .....	Finished bar iron .....	United States.....
2850	9	do .....	Finished bar iron .....	United States.....
2851		do .....	Steel rails .....	Continent of Europe..

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
155	\$3.52½	2	229	115	\$308	\$404	1.48	\$547	2785
313	4.87	1	318	318	1,548	1,548	1.02	1,524	2786
313	3.26½	3	585	195	1,911	637	1.88	1,022	2787
92	.90	5	341	68	307	61	3.71	83	2788
48	.66	6	243	41	160	27	5.06	32	2789
53	.70	9	453	50	318	35	8.55	37	2790
92	.23	1	75	75	17	17	0.82	21	2791
313	1.40	1	148	148	209	209	0.47	442	2792
53	.36½	4	186	47	68	17	3.51	19	2793
143	3.19	2	162	81	517	259	1.13	456	2794
286	4.29	2	446	223	1,913	957	1.56	1,227	2795
286	7.06	2	298	149	2,104	1,052	1.04	2,019	2796
286	5.00	2	406	203	2,030	1,015	1.42	1,430	2797
299	4.29	5	1,276	255	5,472	1,094	4.27	1,282	2798
286	10.77½	2	447	224	4,816	2,408	1.56	3,081	2799
99	2.36	8	698	87	1,649	206	7.05	234	2800
132	5.18	2	200	100	1,036	518	1.52	684	2801
230	7.41	2	419	210	3,104	1,552	1.82	1,704	2802
77	1.27	7	475	68	604	86	6.17	98	2803
78	2.05	3	193	66	406	135	2.54	160	2804
313	5.31	8	1,247	156	6,620	823	3.98	1,662	2805
286	7.11	8	1,010	126	7,180	898	3.54	2,033	2806
286	(a)	4	(a)	(a)	2,995	749	(a)	(a)	2807
313	7.01½	12	1,611	134	11,302	942	5.15	2,196	2808
287	7.39	10	2,368	237	17,504	1,750	8.24	2,121	2809
168	(a)	2	(a)	(a)	3,621	1,811	(a)	(a)	2810
155	6.04	6	375	63	2,265	378	2.43	936	2811
313	(a)	6	(a)	(a)	8,431	1,405	(a)	(a)	2812
313	5.57½	6	1,185	193	6,605	1,101	3.79	1,745	2813
77	.85	9	529	59	450	50	6.87	66	2814
313	.66½	25	5,869	234	3,909	156	18.72	209	2815
92	.83½	31	1,954	63	1,627	52	21.23	77	2816
313	.83½	3	902	301	797	266	2.88	277	2817
79	1.29½	15	991	66	1,282	85	12.55	102	2818
48	(a)	14	(a)	(a)	799	57	(a)	(a)	2819
156	3.29½	25	3,055	122	10,066	403	19.60	514	2820
53	(a)	15	(a)	(a)	1,049	70	(a)	(a)	2821
299	17.91	1	292	292	5,230	5,230	0.98	5,355	2822
77	2.28½	3	206	69	471	157	2.63	176	2823
286	(a)	12	(a)	(a)	12,800	1,067	(a)	(a)	2824
313	(a)	60	(a)	(a)	76,781	1,280	(a)	(a)	2825
313	3.30½	1	296	296	681	681	0.66	1,035	2826
312	2.48	1	252	252	625	625	0.81	776	2827
286	1.39	4	892	223	1,238	310	3.12	397	2828
299	2.00	1	271	271	541	541	0.01	597	2829
286	2.50	3	670	223	1,676	558	2.34	715	2830
99	1.43½	34	3,044	90	4,362	128	30.75	142	2831
77	.74	3	190	63	141	47	2.47	57	2832
78	1.58½	4	92	23	146	37	1.18	124	2833
286	2.50	2	260	130	650	325	0.91	715	2834
313	2.09½	7	1,132	162	2,370	339	3.62	655	2835
168	(a)	8	(a)	(a)	10,632	1,329	(a)	(a)	2836
155	2.81½	3	131	44	303	101	0.85	359	2837
313	2.89½	2	511	256	1,480	740	1.63	907	2838
313	.60	3	922	307	551	184	2.95	187	2839
48	.65	1	42	42	27	27	0.88	31	2840
156	(a)	(b)	(a)	(a)	10,037	(b)	(a)	(a)	2841
99	.47½	13	1,106	85	527	41	11.17	47	2842
155	2.40½	2	118	59	284	142	0.76	373	2843
313	1.37½	1	79	79	108	108	0.25	428	2844
313	1.94	2	242	121	469	235	0.77	607	2845
143	2.57½	6	396	66	1,019	170	2.77	368	2846
286	3.32	2	298	149	990	495	1.04	950	2847
286	2.50	2	406	203	1,015	508	1.42	715	2848
299	3.33	12	2,144	179	7,138	595	7.17	995	2849
286	3.68½	8	1,784	223	6,576	822	6.24	1,054	2850
78	1.54½	14	490	35	757	54	6.28	121	2851

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
b Number of employés not given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2852		Roughers—concluded.....	Mixed iron and steel..	United States.....
2853		do.....	Mixed iron and steel..	United States.....
2854		do.....	Mixed iron and steel..	United States.....
2855		do.....	Mixed iron and steel..	United States.....
2856		do.....	Mixed iron and steel..	United States.....
2857		do.....	Mixed iron and steel..	United States.....
2858		do.....	Mixed iron and steel..	United States.....
2859		do.....	Mixed iron and steel..	United States.....
2860		do.....	Mixed iron and steel..	United States.....
2861		do.....	Mixed iron and steel..	Continent of Europe..
2862		do.....	Mixed iron and steel..	Continent of Europe..
2863		Rougher and rougher-down.....	Mixed iron and steel..	Great Britain.....
2864		Roughers and stickers-in.....	Mixed iron and steel..	United States.....
2865		Rougher and yard hand.....	Mixed iron and steel..	United States.....
2866	26	Roughers' helpers.....	Muck bar iron.....	United States.....
2867		do.....	Mixed iron and steel..	United States.....
2868		do.....	Mixed iron and steel..	Continent of Europe..
2869		Roughers-down.....	Mixed iron and steel..	United States.....
2870		do.....	Mixed iron and steel..	United States.....
2871		do.....	Mixed iron and steel..	United States.....
2872		do.....	Mixed iron and steel..	United States.....
2873		Roughers-down and straighteners.....	Mixed iron and steel..	United States.....
2874	8	Roughers-up.....	Finished bar iron.....	United States.....
2875		do.....	Mixed iron and steel..	United States.....
2876		do.....	Mixed iron and steel..	United States.....
2877		do.....	Mixed iron and steel..	United States.....
2878		do.....	Mixed iron and steel..	United States.....
2879		Rougher-up and straightener.....	Mixed iron and steel..	United States.....
2880	1	Runners.....	Steel ingots.....	United States.....
2881		do.....	Steel ingots.....	Continent of Europe..
2882		do.....	Steel ingots.....	Continent of Europe..
2883		do.....	Mixed iron and steel..	United States.....
2884	1	Runner and scrap cleaner.....	Steel ingots.....	United States.....
2885	1	Runner and slagman.....	Steel ingots.....	United States.....
2886	1	Runners and spiegel melters' helpers.....	Steel ingots.....	United States.....
2887		Runners' helpers.....	Steel ingots.....	Continent of Europe..
2888		Runner makers.....	Mixed iron and steel..	Great Britain.....
2889	22	Runner men.....	Pig iron.....	Northern district, U. S.
2890	109	do.....	Pig iron.....	Southern district, U. S.
2891		Saddler.....	Mixed iron and steel..	Continent of Europe..
2892	10	Sample boys.....	Pig iron.....	Northern district, U. S.
2893		do.....	Mixed iron and steel..	Continent of Europe..
2894	10	Sample men.....	Pig iron.....	Northern district, U. S.
2895		do.....	Pig iron.....	Great Britain.....
2896	101	Sand sifters.....	Pig iron.....	Southern district, U. S.
2897		Sand wheelers.....	Mixed iron and steel..	Great Britain.....
2898		Sandmen.....	Mixed iron and steel..	Continent of Europe..
2899		Sawyers.....	Steel rails.....	Continent of Europe..
2900		do.....	Steel rails.....	Continent of Europe..
2901		do.....	Mixed iron and steel..	United States.....
2902		do.....	Mixed iron and steel..	Continent of Europe..
2903		do.....	Mixed iron and steel..	Continent of Europe..
2904		do.....	Mixed iron and steel..	Great Britain.....
2905		do.....	Mixed iron and steel..	Great Britain.....
2906	170	do.....	Bituminous coal.....	Great Britain.....
2907	58	Sealemen.....	Pig iron.....	Northern district, U. S.
2908	101	Scavenger.....	Pig iron.....	Southern district, U. S.
2909	1	Scrap boys.....	Steel ingots.....	United States.....
2910		do.....	Mixed iron and steel..	United States.....
2911	1	Scrap cleaners.....	Steel ingots.....	United States.....
2912	1	Scrap cleaner and spiegel melters' helper.....	Steel ingots.....	United States.....
2913	1	Scrap cleaners and stockers.....	Steel ingots.....	United States.....
2914		Scrap cutters.....	Mixed iron and steel..	Great Britain.....
2915		Scrap cutters' helpers.....	Mixed iron and steel..	Great Britain.....
2916		Scrap heaters.....	Mixed iron and steel..	United States.....
2917		Scrap picker.....	Mixed iron and steel..	Great Britain.....
2918		Scrap piler.....	Mixed iron and steel..	United States.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	(a)	25	(a)	(a)	\$5,103	\$204	(a)	(a)	2852
286	(a)	18	(a)	(a)	5,137	285	(a)	(a)	2853
313	\$4.02½	22	1,610	73	6,482	295	5.14	\$1,260	2854
287	3.11	18	4,248	236	13,214	734	14.80	893	2855
168	(a)	7	(a)	(a)	1,011	144	(a)	(a)	2856
155	2.47	13	583	45	1,441	111	3.76	383	2857
313	(a)	2	(a)	(a)	1,221	611	(a)	(a)	2858
313	2.68	6	1,173	196	3,144	524	3.75	839	2859
313	1.04	15	4,071	271	4,229	282	13.00	325	2860
313	.96	19	5,299	279	5,082	267	16.93	300	2861
48	(a)	25	(a)	(a)	834	33	(a)	(a)	2862
155	1.97	1	68	68	134	134	0.44	305	2863
155	1.81	2	73	37	132	66	0.47	280	2864
286	(a)	1	(a)	(a)	67	67	(a)	(a)	2865
286	1.50	2	310	155	465	233	1.08	429	2866
286	1.72	7	139	20	239	34	0.48	492	2867
313	.54	1	326	326	176	176	1.04	169	2868
286	4.08½	4	505	126	2,062	516	1.77	1,168	2869
313	3.73	12	1,491	124	5,560	463	4.76	1,167	2870
155	2.93½	3	160	53	470	157	1.03	455	2871
313	2.85½	2	464	232	1,324	662	1.48	893	2872
313	3.00	2	446	223	1,337	669	1.42	933	2873
299	2.60	1	285	285	742	742	0.95	778	2874
286	(a)	7	(a)	(a)	3,324	475	(a)	(a)	2875
313	3.42	16	1,837	115	6,284	393	5.87	1,071	2876
155	2.34	6	220	37	515	86	1.42	363	2877
313	2.48½	2	505	253	1,254	627	1.61	777	2878
155	1.65½	1	81	81	134	134	0.52	256	2879
313	2.39	10	623	62	1,488	149	1.99	748	2880
77	.52	4	219	55	114	29	2.84	40	2881
78	1.09½	4	295	74	323	81	3.78	85	2882
155	2.50	1	152	152	379	379	0.98	386	2883
313	1.70	1	20	20	34	34	6.06	532	2884
313	1.92	1	25	25	48	48	0.08	601	2885
313	2.42½	2	131	66	318	159	0.42	760	2886
78	.90	3	190	63	171	57	2.44	70	2887
53	(a)	6	(a)	(a)	198	33	(a)	(a)	2888
365	1.55	6	455	76	690	117	1.25	561	2889
365	1.23½	7	1,080	154	1,333	190	2.96	451	2890
313	.91½	1	90	90	82	82	0.29	285	2891
365	.61	3	312	104	190	63	0.85	222	2892
313	.36	4	839	210	301	75	2.68	112	2893
365	1.50	1	242	242	363	363	0.66	548	2894
135	.73	1	132	132	94	94	0.98	96	2895
184	1.10	2	290	145	319	160	1.58	202	2896
48	.43½	2	85	43	37	19	1.77	21	2897
92	.19½	15	570	38	110	7	6.20	18	2898
77	.85	1	67	67	57	57	0.87	66	2899
78	.68½	4	268	67	184	46	3.44	54	2900
287	1.58	6	1,136	189	1,796	299	3.96	454	2901
313	.61½	3	906	302	559	186	2.89	193	2902
313	.59½	2	707	354	421	211	2.26	186	2903
48	.63	4	164	41	103	26	3.42	30	2904
53	.75	2	125	63	94	47	2.36	40	2905
91	1.06	1	67	67	71	71	0.74	96	2906
365	1.60	12	3,961	330	6,266	522	10.85	577	2907
184	.50	1	178	178	89	89	0.97	92	2908
313	.80	7	232	33	186	27	0.74	251	2909
313	.88½	14	2,384	170	2,108	151	7.62	277	2910
313	1.37½	25	856	34	1,177	47	2.74	430	2911
313	1.80	1	91	91	164	164	0.29	564	2912
313	1.81	2	265	133	480	240	0.85	567	2913
156	2.08½	4	481	120	1,002	251	3.08	325	2914
156	1.02½	4	540	135	554	139	3.46	160	2915
168	(a)	7	(a)	(a)	6,496	928	(a)	(a)	2916
53	.28½	1	48	48	14	14	0.91	15	2917
313	(a)	1	(a)	(a)	294	294	(a)	(a)	2918

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2919		Scrap pileers—conolnded .....	Mixed iron and steel..	United States.....
2920		do .....	Mixed iron and steel..	United States.....
2921		Scrap piler and scrapper.....	Mixed iron and steel..	United States.....
2922	7	Scrap stockers.....	Steel ingots.....	United States.....
2923	7	Scrap stockers and scrappers.....	Steel ingots.....	United States.....
2924		Scrap unloaders.....	Mixed iron and steel..	United States.....
2925	7	Scrap wheelers.....	Steel ingots.....	United States.....
2926		do .....	Steel blooms.....	United States.....
2927		do .....	Mixed iron and steel..	United States.....
2928		Scrap wheelers and shearmen's helpers	Steel blooms.....	United States.....
2929	55	Scrapers.....	Pig iron .....	Northern district, U. S..
2930	8	do .....	Finished bar iron.....	United States.....
2931		do .....	Mixed iron and steel..	United States.....
2932		do .....	Mixed iron and steel..	United States.....
2933		do .....	Mixed iron and steel..	United States.....
2934	10	Scrapmen.....	Pig iron .....	Northern district, U. S..
2935	83	do .....	Pig iron .....	Northern district, U. S..
2936	95	do .....	Pig iron .....	Southern district, U. S..
2937	101	do .....	Pig iron .....	Southern district, U. S..
2938	1	do .....	Steel ingots.....	United States.....
2939	1	Scrapmen and unloaders.....	Steel ingots.....	United States.....
2940	1	Scrapmen and water carriers.....	Steel ingots.....	United States.....
2941	9	Scrapers.....	Muck bar iron.....	United States.....
2942	7	do .....	Steel ingots.....	United States.....
2943		do .....	Mixed iron and steel..	United States.....
2944		Scrapper and scrappers' helper.....	Mixed iron and steel..	United States.....
2945	9	Scrapers' helpers.....	Muck bar iron.....	United States.....
2946		do .....	Mixed iron and steel..	United States.....
2947	1	Screeners.....	Steel ingots.....	United States.....
2948	148	do .....	Bituminous coal .....	Dominion of Canada.....
2949	170	do .....	Bituminous coal .....	Great Britain.....
2950		Screw setters.....	Mixed iron and steel..	Continent of Europe.....
2951		Screwmen.....	Steel billets.....	United States.....
2952		Scull breakers.....	Steel blooms.....	United States.....
2953		Servants.....	Steel rails.....	Continent of Europe.....
2954	170	Shaftman.....	Bituminous coal .....	Great Britain.....
2955		Shape hammerman.....	Mixed iron and steel..	United States.....
2956		Shape hammerman's helpers.....	Mixed iron and steel..	United States.....
2957		Shear boys.....	Mixed iron and steel..	Continent of Europe.....
2958	9	Shearmen.....	Finished bar iron.....	United States.....
2959		do .....	Steel blooms.....	United States.....
2960		do .....	Steel blooms.....	United States.....
2961		do .....	Steel rails.....	Continent of Europe.....
2962		do .....	Mixed iron and steel..	United States.....
2963		do .....	Mixed iron and steel..	United States.....
2964		do .....	Mixed iron and steel..	United States.....
2965		do .....	Mixed iron and steel..	United States.....
2966		do .....	Mixed iron and steel..	United States.....
2967		do .....	Mixed iron and steel..	United States.....
2968		do .....	Mixed iron and steel..	Continent of Europe.....
2969		do .....	Mixed iron and steel..	Continent of Europe.....
2970		do .....	Mixed iron and steel..	Continent of Europe.....
2971		do .....	Mixed iron and steel..	Great Britain.....
2972		do .....	Mixed iron and steel..	Great Britain.....
2973		Shearmen and shearmen's helpers.....	Mixed iron and steel..	United States.....
2974		do .....	Mixed iron and steel..	United States.....
2975		do .....	Mixed iron and steel..	United States.....
2976	9	Shearmen's helpers.....	Finished bar iron.....	United States.....
2977		do .....	Steel blooms.....	United States.....
2978		do .....	Steel blooms.....	United States.....
2979		do .....	Mixed iron and steel..	United States.....
2980		do .....	Mixed iron and steel..	United States.....
2981		do .....	Mixed iron and steel..	Continent of Europe.....
2982		do .....	Mixed iron and steel..	Continent of Europe.....
2983		Sheet floormen.....	Mixed iron and steel..	United States.....
2984	109	Shifters.....	Bituminous coal .....	United States.....

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
168	(a)	13	(a)	(a)	\$2,025	\$156	(a)	(a)	2919
155	\$2.07½	2	96	48	100	100	0.62	\$321	2920
155	2.01	1	120	120	241	241	0.77	311	2921
230	1.80½	4	109	27	197	49	0.47	416	2922
230	2.61½	3	433	144	1,132	377	1.88	601	2923
313	(a)	(b)	(a)	(a)	2,338	(b)	(a)	(a)	2924
230	1.55	4	23	6	36	9	0.10	360	2925
132	2.19½	5	117	23	257	51	0.90	290	2926
237	1.51	1	390	390	588	588	1.38	433	2927
132	2.40½	2	111	56	267	134	0.84	318	2928
181	1.50	3	13	4	20	7	0.07	278	2929
299	1.47½	6	930	155	1,371	220	3.11	441	2930
286	.83	4	490	123	406	102	1.71	237	2931
287	1.60	7	1,749	250	2,798	400	6.09	459	2932
313	.99	1	118	118	117	117	0.38	310	2933
365	1.69	5	422	84	713	143	1.16	617	2934
92	1.80	1	5	5	9	9	0.05	166	2935
334	1.00	5	290	58	201	58	0.87	335	2936
184	1.15	4	301	90	415	104	1.96	212	2937
313	1.82½	42	837	20	1,528	36	2.67	571	2938
313	1.80	2	10	5	18	9	0.03	563	2939
313	1.62	3	21	7	34	11	0.07	527	2940
286	4.94	5	1,259	252	6,221	1,244	4.40	1,413	2941
230	3.58½	3	351	117	1,258	419	1.52	824	2942
155	3.39	2	64	22	217	109	0.41	526	2943
155	1.84½	1	26	26	48	48	0.17	286	2944
286	2.14½	10	2,518	252	5,403	540	8.80	614	2945
155	1.41	4	17	4	24	6	0.11	219	2946
313	1.43	2	7	4	10	5	0.02	447	2947
313	1.00	6	1,629	272	1,633	272	5.20	314	2948
91	.66	35	2,201	63	1,457	42	24.19	60	2949
313	.67	3	780	260	621	174	2.49	209	2950
202	2.45	5	1,110	222	2,746	549	5.50	500	2951
144	1.50	5	551	110	828	166	3.83	216	2952
78	.29	3	107	36	31	10	1.37	23	2953
91	1.42½	1	90	90	129	129	0.99	130	2954
168	8.03½	1	164	164	1,318	1,318	0.98	1,850	2955
168	2.16½	2	323	162	699	350	1.93	364	2956
313	.36	4	791	198	284	71	2.53	112	2957
286	2.50½	2	446	223	1,117	559	1.56	716	2958
132	3.89½	2	217	109	845	423	1.64	514	2959
230	5.55½	2	384	192	2,133	1,067	1.67	1,278	2960
77	.66½	1	55	55	37	37	0.71	52	2961
313	1.39½	10	1,883	183	2,630	263	6.01	437	2962
286	2.05	25	4,002	164	8,398	336	14.81	537	2963
313	1.61½	23	3,089	160	5,051	259	11.79	505	2964
287	1.57½	8	2,610	314	3,952	494	8.76	452	2965
168	1.80	15	1,253	84	2,254	150	7.47	302	2966
313	1.46½	9	1,076	120	1,576	176	3.44	458	2967
77	.70½	5	350	70	246	49	4.55	54	2968
313	.51	22	4,354	198	2,216	101	13.01	159	2969
313	.54	10	2,431	243	1,312	131	7.77	169	2970
156	3.54	7	946	135	3,349	478	6.06	552	2971
53	.77	3	92	31	71	24	1.74	41	2972
286	(a)	(b)	(a)	(a)	3,932	(b)	(a)	(a)	2973
313	1.49½	1	176	176	263	263	0.56	468	2974
313	(a)	12	(a)	(a)	8,335	695	(a)	(a)	2975
286	1.50	4	880	222	1,332	333	3.11	429	2976
132	2.64½	11	833	76	2,204	200	6.31	349	2977
230	3.75	10	1,527	153	5,730	573	6.04	803	2978
286	1.00	1	121	121	121	121	0.42	286	2979
313	1.52½	6	1,472	245	2,247	375	4.70	478	2980
77	.24	1	81	81	19	19	1.05	18	2981
313	.52½	24	4,774	199	2,499	104	15.25	164	2982
313	1.50	2	449	225	673	337	1.43	469	2983
313	1.80	1	236	236	429	429	0.75	569	2984

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.  
b Number of employés not given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
2985		Shifters—concluded .....	Bituminous coal .....	United States .....
2986		Shinglers .....	Mixed iron and steel ..	United States .....
2987		do .....	Mixed iron and steel ..	Great Britain .....
2988		Shippers .....	Mixed iron and steel ..	United States .....
2989		do .....	Mixed iron and steel ..	United States .....
2990		do .....	Mixed iron and steel ..	United States .....
2991		do .....	Mixed iron and steel ..	United States .....
2992		do .....	Mixed iron and steel ..	United States .....
2993		do .....	Mixed iron and steel ..	United States .....
2994		Shippers' helper .....	Mixed iron and steel ..	United States .....
2995		Shovo-unders .....	Mixed iron and steel ..	United States .....
2996		Shovellers .....	Mixed iron and steel ..	United States .....
2997		do .....	Bituminous coal .....	United States .....
2998	42	Siovenmen .....	Iron ore .....	United States .....
2999		Slag craneman .....	Pig iron .....	Great Britain .....
3000		Slag haulers .....	Bituminous coal .....	United States .....
3001	148	do .....	Bituminous coal .....	Dominion of Canada ..
3002		Slag hauler and trapper ..	Bituminous coal .....	United States .....
3003		Slag loaders .....	Mixed iron and steel ..	Continent of Europe ..
3004		Slag shovellers .....	Bituminous coal .....	United States .....
3005		Slag shoveller and trapper ..	Bituminous coal .....	United States .....
3006	40	Slag wheelers .....	Pig iron .....	Continent of Europe ..
3007		do .....	Steel ingots .....	Continent of Europe ..
3008		do .....	Mixed iron and steel ..	Continent of Europe ..
3009		do .....	Mixed iron and steel ..	Continent of Europe ..
3010	41	Slagmen .....	Pig iron .....	Northern district, U. S. .
3011	67	do .....	Pig iron .....	Northern district, U. S. .
3012	83	do .....	Pig iron .....	Northern district, U. S. .
3013	103	do .....	Pig iron .....	Southern district, U. S. .
3014		do .....	Steel ingots .....	United States .....
3015	1	do .....	Mixed iron and steel ..	United States .....
3016		do .....	Mixed iron and steel ..	Continent of Europe ..
3017		do .....	Mixed iron and steel ..	Great Britain .....
3018		do .....	Bituminous coal .....	United States .....
3019		Slate-pickers .....	Iron ore .....	United States .....
3020	56	do .....	Mixed iron and steel ..	United States .....
3021		Slotors .....	Steel ingots .....	United States .....
3022	1	Slurry mixers .....	Mixed iron and steel ..	Great Britain .....
3023		Smelters .....	Bituminous coal .....	Continent of Europe ..
3024	156	Sorters .....	Bituminous coal .....	Continent of Europe ..
3025	156	Sorters, chief .....	Pig iron .....	Great Britain .....
3026	36	Sparo hands .....	Mixed iron and steel ..	Great Britain .....
3027		do .....	Mixed iron and steel ..	Great Britain .....
3028		do .....	Mixed iron and steel ..	United States .....
3029		Squeezers .....	Mixed iron and steel ..	Great Britain .....
3030		do .....	Mixed iron and steel ..	United States .....
3031	26	Stable bosses .....	Mixed iron and steel ..	Great Britain .....
3032		do .....	Muck bar iron .....	United States .....
3033		do .....	Bituminous coal .....	United States .....
3034	42	do .....	Bituminous coal .....	United States .....
3035	42	Stable boys .....	Iron ore .....	United States .....
3036	41	Stablemen .....	Iron ore .....	United States .....
3037	42	do .....	Pig iron .....	Northern district, U. S. .
3038	49	do .....	Pig iron .....	Northern district, U. S. .
3039	83	do .....	Pig iron .....	Northern district, U. S. .
3040	84	do .....	Pig iron .....	Northern district, U. S. .
3041	109	do .....	Pig iron .....	Northern district, U. S. .
3042		do .....	Mixed iron and steel ..	Southern district, U. S. .
3043	148	do .....	Bituminous coal .....	United States .....
3044	156	do .....	Bituminous coal .....	Dominion of Canada ..
3045	41	do .....	Iron ore .....	Continent of Europe ..
3046	42	do .....	Iron ore .....	United States .....
3047	43	do .....	Iron ore .....	United States .....
3048	45	do .....	Iron ore .....	United States .....
3049	101	Stableman and teamster ..	Iron ore .....	United States .....
3050	170	Staitthmen .....	Pig iron .....	Southern district, U. S. .
3051	170	Staitthmon's helper .....	Bituminous coal .....	Great Britain .....
3052		Stampers .....	Bituminous coal .....	Great Britain .....
			Steel billets .....	United States .....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1. 80	1	254	254	\$453	\$453	0. 81	\$558	2985
313	(a)	2	(a)	(a)	3, 349	1, 675	(a)	(a)	2986
156	2. 28	3	390	130	889	296	2. 49	356	2987
313	1. 49½	9	1, 715	191	2, 566	285	5. 48	468	2988
313	1. 85	1	342	342	632	632	1. 09	578	2989
313	2. 30	1	317	317	728	728	1. 01	719	2990
313	1. 76	2	639	320	1, 125	563	2. 04	551	2991
155	3. 45	1	155	155	540	540	1. 00	540	2992
313	2. 49½	3	636	212	1, 586	529	2. 04	781	2993
155	1. 60½	1	14	14	23	23	0. 09	255	2994
286	(a)	6	(a)	(a)	533	89	(a)	(a)	2995
155	1. 37	5	199	40	273	55	1. 28	213	2996
313	1. 72	15	1, 081	72	1, 862	124	3. 46	539	2997
313	1. 35	4	1, 332	333	1, 807	452	4. 26	425	2998
135	. 79½	1	133	133	105	105	0. 99	107	2999
313	1. 25	4	75	19	96	24	0. 24	401	3000
313	1. 10	1	211	211	224	224	0. 67	332	3001
313	. 94½	1	38	38	36	36	0. 12	297	3002
313	. 90½	9	1, 905	212	368	41	6. 09	60	3003
313	1. 33½	2	9	5	12	6	0. 03	417	3004
313	1. 00	1	2	2	2	2	0. 01	313	3005
90	. 67½	5	272	54	184	37	3. 03	61	3006
27	. 82	9	174	19	143	16	6. 44	22	3007
313	. 43½	4	1, 054	264	460	115	3. 37	137	3008
313	. 52½	1	281	281	147	147	0. 90	164	3009
167	1. 50	7	837	120	1, 255	179	5. 01	250	3010
365	1. 60	6	1, 583	264	2, 579	430	4. 34	595	3011
92	1. 87	4	363	91	679	170	3. 95	172	3012
365	1. 15	16	1, 738	109	2, 004	125	4. 76	421	3013
135	1. 01	10	1, 350	135	1, 363	136	10. 00	136	3014
313	1. 49½	3	213	71	318	106	0. 68	467	3015
313	(a)	2	(a)	(a)	782	391	(a)	(a)	3016
313	. 55½	10	1, 901	190	1, 059	106	6. 07	174	3017
156	. 84	4	352	88	296	74	2. 26	131	3018
313	1. 50	1	241	241	384	384	0. 77	499	3019
313	. 67½	1	96	96	64	64	0. 31	209	3020
313	1. 91½	4	264	66	505	126	0. 84	599	3021
313	1. 35	4	248	62	333	83	0. 79	420	3022
156	(a)	18	(a)	(a)	3, 497	194	(a)	(a)	3023
77	. 45	6	239	40	107	18	3. 11	34	3024
77	. 60	3	160	53	97	32	2. 08	47	3025
91	. 60	16	1, 504	94	903	56	16. 53	55	3026
48	(a)	37	(a)	(a)	727	20	(a)	(a)	3027
53	(a)	94	(a)	(a)	2, 463	26	(a)	(a)	3028
313	1. 25	1	118	118	148	148	0. 38	393	3029
48	(a)	2	(a)	(a)	106	53	(a)	(a)	3030
313	2. 14½	1	14	14	30	30	0. 04	671	3031
365	. 98½	1	365	365	360	360	1. 00	360	3032
365	1. 61	1	365	365	588	588	1. 00	588	3033
365	1. 50	1	361	361	542	542	0. 99	548	3034
365	. 70	3	375	125	262	87	1. 03	255	3035
167	1. 62½	1	166	166	270	270	0. 99	272	3036
365	1. 31	2	329	165	431	216	0. 90	478	3037
365	1. 15	1	357	357	411	411	0. 98	420	3038
92	1. 15	1	92	92	105	105	1. 00	105	3039
122	1. 06	1	122	122	122	122	1. 00	122	3040
365	1. 07	1	299	299	320	320	0. 82	391	3041
365	1. 40	4	357	89	500	125	0. 98	511	3042
365	1. 10½	2	690	345	761	381	1. 89	403	3043
77	. 61½	5	159	32	98	20	2. 06	47	3044
365	. 98½	1	354	354	345	345	0. 97	356	3045
365	1. 15	7	1, 846	264	2, 122	303	5. 06	420	3046
313	1. 24	5	142	28	176	35	0. 46	328	3047
313	. 70	2	372	186	255	128	1. 19	215	3048
184	1. 39	1	198	198	275	275	1. 08	266	3049
91	. 95	3	223	74	212	71	2. 46	87	3050
91	. 35½	1	76	76	27	27	0. 84	32	3051
202	2. 39	3	356	119	850	283	1. 76	482	3052

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Marginal number.	Establishment number.	Occupation.	Industry.	Locality.
3053		Stampers—concluded	Mixed iron and steel	United States
3054		do	Mixed iron and steel	United States
3055		do	Mixed iron and steel	Great Britain
3056		do	Mixed iron and steel	Great Britain
3057		Steel loaders	Steel blooms	United States
3058	1	Steel pourers	Steel ingots	United States
3059	7	do	Steel ingots	United States
3060		do	Steel ingots	Continent of Europe
3061		do	Steel ingots	Continent of Europe
3062		do	Steel ingots	Continent of Europe
3063		Steel pourers' helpers	Steel ingots	Continent of Europe
3064	170	Steward	Bituminous coal	Great Britain
3065	8	Sticklers-in	Finished bar iron	United States
3066	9	do	Finished bar iron	United States
3067		do	Mixed iron and steel	United States
3068		do	Mixed iron and steel	United States
3069		do	Mixed iron and steel	United States
3070	41	Stock breakers	Pig iron	Northern district, U. S.
3071	42	do	Pig iron	Northern district, U. S.
3072	84	do	Pig iron	Northern district, U. S.
3073	10	Stock preparers	Pig iron	Northern district, U. S.
3074		Stock taker	Mixed iron and steel	Great Britain
3075	83	Stock unloader	Pig iron	Northern district, U. S.
3076	49	Stockers	Pig iron	Northern district, U. S.
3077	103	do	Pig iron	Southern district, U. S.
3078		do	Pig iron	Continent of Europe
3079	7	do	Muck bar iron	United States
3080	9	do	Muck bar iron	United States
3081	26	do	Muck bar iron	United States
3082	1	do	Steel ingots	United States
3083	5	do	Steel ingots	United States
3084		do	Mixed iron and steel	United States
3085		do	Mixed iron and steel	United States
3086		do	Mixed iron and steel	United States
3087		do	Mixed iron and steel	United States
3088		do	Mixed iron and steel	United States
3089		do	Mixed iron and steel	United States
3090		do	Mixed iron and steel	United States
3091		do	Mixed iron and steel	Great Britain
3092		do	Mixed iron and steel	Great Britain
3093	7	Stockers, boss	Muck bar iron	United States
3094	9	do	Muck bar iron	United States
3095	26	do	Muck bar iron	United States
3096		do	Mixed iron and steel	United States
3097		do	Mixed iron and steel	United States
3098	1	Stecker and unloader	Steel ingots	United States
3099	32	Stockers and water tenders	Pig iron	Northern district, U. S.
3100		Stockers' helpers	Pig iron	Continent of Europe
3101	58	Stockhouse men	Pig iron	Northern district, U. S.
3102		Stokers	Mixed iron and steel	United States
3103		do	Mixed iron and steel	United States
3104		do	Mixed iron and steel	Great Britain
3105	1	Stone breaker	Steel ingots	United States
3106	1	Stone wheelers	Steel ingots	United States
3107	42	Stonecutter and whitewasher	Iron ore	United States
3108	7	Stopper carriers	Steel ingots	United States
3109	2	Stopper carriers and stopper setters	Steel ingots	United States
3110	2	Stopper carrier and vessel cinder	Steel ingots	United States
3111	7	Stopper setters	Steel ingots	United States
3112		do	Steel ingots	Continent of Europe
3113		do	Mixed iron and steel	Great Britain
3114	7	Stoppermakers	Steel ingots	United States
3115		do	Steel ingots	Continent of Europe
3116		do	Steel blooms	United States
3117		do	Mixed iron and steel	Continent of Europe
3118		do	Mixed iron and steel	Great Britain
3119		Stoppermakers' helper	Mixed iron and steel	Continent of Europe

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Working days in the period.	Actual earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		Marginal number.	
		Different employes.	Days of work done.		Earnings.		Necessary employes.		Consequent average earnings per employe.
			Total.	Average.	Total.	Average.			
155	\$0.84	2	25	13	\$21	\$11	0.16	\$130	3053
313	.67½	2	297	149	200	100	0.95	211	3054
156	.97½	2	269	135	262	131	1.72	152	3055
53	.57	1	49	49	28	28	0.92	30	3056
132	1.90	11	747	68	1,417	129	5.66	250	3057
313	3.14½	2	253	127	796	398	0.81	985	3058
230	6.57½	2	370	185	2,432	1,216	1.61	1,512	3059
77	.86	3	204	68	175	58	2.65	66	3060
27	.91½	5	98	20	89	18	3.63	25	3061
78	.48	4	267	67	128	32	3.43	37	3062
27	.78	6	107	18	84	14	3.96	21	3063
91	2.69	1	78	78	210	210	0.86	245	3064
299	.89½	5	745	149	666	133	2.50	267	3065
286	1.50	2	447	224	671	336	1.56	429	3066
286	(a)	3	(a)	(a)	627	209	(a)	(a)	3067
313	2.25	1	56	56	125	125	0.18	699	3068
155	1.42	16	462	29	655	41	2.98	220	3069
167	1.87½	11	1,522	138	2,093	100	9.11	230	3070
365	1.45	7	2,282	326	3,304	472	6.25	528	3071
122	1.00	1	105	105	105	105	0.86	122	3072
365	1.50	98	3,051	31	4,592	47	8.36	549	3073
48	1.42	1	48	48	68	68	1.00	68	3074
79	1.40	1	20	20	28	28	0.25	111	3075
365	1.31	7	1,886	269	2,471	353	5.17	478	3076
365	1.10½	75	1,804	24	1,991	27	4.93	403	3077
91	.60	18	1,252	70	754	42	13.76	55	3078
155	1.50	3	267	89	424	141	1.72	246	3079
286	1.58	6	1,333	222	2,107	351	4.66	452	3080
313	1.50	2	290	145	435	218	0.93	470	3081
313	2.11	37	2,292	62	4,838	131	7.32	661	3082
132	1.35½	14	501	36	679	40	3.80	179	3083
286	(a)	1	(a)	(a)	727	727	(a)	(a)	3084
313	1.75	1	238	238	398	398	0.76	523	3085
287	2.00	2	486	243	1,003	502	1.69	502	3086
168	1.13	4	265	66	300	75	1.58	100	3087
155	1.26	10	651	34	820	43	4.19	195	3088
313	1.52½	15	2,670	178	4,077	272	8.53	478	3089
313	1.48	2	558	279	625	413	1.79	463	3090
48	.61½	6	218	36	133	22	4.50	30	3091
53	(a)	84	(a)	(a)	1,784	21	(a)	(a)	3092
155	3.25	1	104	104	336	336	0.67	501	3093
286	3.27½	3	447	149	1,465	488	1.56	937	3094
313	5.50	1	180	180	990	990	0.58	1,722	3095
287	4.21½	1	266	266	1,121	1,121	0.93	1,210	3096
155	2.50	1	100	100	250	250	0.05	388	3097
313	1.66½	1	3	3	5	5	0.01	522	3098
365	1.67	2	642	321	1,071	536	1.76	609	3099
91	.27½	2	176	88	48	24	1.93	25	3100
365	1.51	21	4,035	102	6,080	200	11.06	551	3101
313	1.29½	10	1,917	192	2,479	248	6.13	405	3102
155	1.30	13	600	46	781	60	3.87	202	3103
53	.71½	61	1,982	32	1,419	23	37.40	38	3104
313	1.82½	1	140	149	272	272	0.48	571	3105
313	1.78½	2	235	118	419	210	0.75	558	3106
313	1.61	1	294	204	473	473	0.94	504	3107
230	5.05	2	369	185	1,863	932	1.00	1,161	3108
132	3.45½	5	417	83	1,441	288	3.16	456	3109
132	2.94½	1	65	95	280	280	0.72	389	3110
230	5.09	2	368	184	1,874	937	1.60	1,171	3111
27	.30	6	129	22	39	7	4.77	8	3112
53	.32½	3	174	58	56	19	3.28	17	3113
230	2.09½	1	288	288	604	604	1.25	482	3114
27	.66½	2	24	12	16	8	0.89	18	3115
132	2.09	1	123	123	257	257	0.93	270	3116
313	.67½	1	316	316	214	214	1.01	212	3117
53	(a)	(b)	(a)	(a)	395	(b)	(a)	(a)	3118
313	.49½	1	280	280	138	138	0.89	154	3119

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

b Number of employes not given.



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
3120	10	Storekeepers .....	Pig iron .....	Northern district, U. S.
3121	58	do .....	Pig iron .....	Northern district, U. S.
3122	101	do .....	Pig iron .....	Southern district, U. S.
3123	29	do .....	Finished bar iron .....	Great Britain
3124	1	do .....	Steel ingots .....	United States
3125	—	do .....	Steel billets .....	United States
3126	—	do .....	Mixed iron and steel .....	United States
3127	—	do .....	Mixed iron and steel .....	Continent of Europe
3128	148	Storekeeper and timekeeper .....	Bituminous coal .....	Dominion of Canada
3129	—	Storekeepers' helper .....	Steel billets .....	United States
3130	36	Stove cleaners .....	Pig iron .....	Great Britain
3131	37	do .....	Pig iron .....	Great Britain
3132	9	Stove tenders .....	Pig iron .....	Northern district, U. S.
3133	42	do .....	Pig iron .....	Northern district, U. S.
3134	—	do .....	Pig iron .....	Great Britain
3135	10	Stovemmen .....	Pig iron .....	Northern district, U. S.
3136	22	do .....	Pig iron .....	Northern district, U. S.
3137	32	do .....	Pig iron .....	Northern district, U. S.
3138	53	do .....	Pig iron .....	Northern district, U. S.
3139	67	do .....	Pig iron .....	Northern district, U. S.
3140	95	do .....	Pig iron .....	Southern district, U. S.
3141	101	do .....	Pig iron .....	Southern district, U. S.
3142	109	do .....	Pig iron .....	Southern district, U. S.
3143	—	do .....	Pig iron .....	Continent of Europe
3144	10	Stovemmen's helper .....	Pig iron .....	Northern district, U. S.
3145	8	Straighteners .....	Finished bar iron .....	United States
3146	9	do .....	Finished bar iron .....	United States
3147	29	do .....	Finished bar iron .....	Great Britain
3148	—	do .....	Steel rails .....	Continent of Europe
3149	—	do .....	Mixed iron and steel .....	United States
3150	—	do .....	Mixed iron and steel .....	United States
3151	—	do .....	Mixed iron and steel .....	United States
3152	—	do .....	Mixed iron and steel .....	United States
3153	—	do .....	Mixed iron and steel .....	United States
3154	—	do .....	Mixed iron and steel .....	United States
3155	—	do .....	Mixed iron and steel .....	Continent of Europe
3156	—	do .....	Mixed iron and steel .....	Continent of Europe
3157	—	do .....	Mixed iron and steel .....	Great Britain
3158	—	do .....	Mixed iron and steel .....	Great Britain
3159	—	Straightener and water boy .....	Mixed iron and steel .....	United States
3160	—	Straighteners and weighmen .....	Mixed iron and steel .....	Continent of Europe
3161	43	Strikers .....	Iron ore .....	United States
3162	—	Superintendents .....	Steel ingots .....	Continent of Europe
3163	—	Supervisor .....	Steel rails .....	Continent of Europe
3164	72	Surface boss .....	Iron ore .....	United States
3165	170	Surveyor, assistant .....	Bituminous coal .....	Great Britain
3166	—	Swarf wheelers .....	Mixed iron and steel .....	United States
3167	109	Sweepers .....	Pig iron .....	Southern district, U. S.
3168	36	do .....	Pig iron .....	Great Britain
3169	37	do .....	Pig iron .....	Great Britain
3170	1	do .....	Steel ingots .....	United States
3171	—	do .....	Steel billets .....	United States
3172	—	do .....	Mixed iron and steel .....	United States
3173	—	do .....	Mixed iron and steel .....	United States
3174	—	do .....	Mixed iron and steel .....	Continent of Europe
3175	—	do .....	Mixed iron and steel .....	Continent of Europe
3176	—	do .....	Mixed iron and steel .....	Great Britain
3177	—	do .....	Mixed iron and steel .....	Great Britain
3178	—	do .....	Mixed iron and steel .....	Great Britain
3179	1	Sweeper and water carrier .....	Steel ingots .....	United States
3180	—	Switchmen .....	Mixed iron and steel .....	United States
3181	—	do .....	Mixed iron and steel .....	United States
3182	—	do .....	Mixed iron and steel .....	United States
3183	—	do .....	Mixed iron and steel .....	Continent of Europe
3184	—	Table boys .....	Steel billets .....	United States
3185	—	Tablemen .....	Steel billets .....	United States
3186	—	Tableman and transmitter .....	Steel billets .....	United States
3187	17	Tap wheelers .....	Muck bar iron .....	United States



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless  
tion, Tables I to XI. Where no establishment number is given no statement of cost of production  
these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
365	\$1.05	1	339	339	\$559	\$559	0.93	3692	3120
365	1.40	1	14	14	20	20	0.04	521	3121
184	1.50	1	184	184	276	276	1.00	276	3122
99	.97½	1	99	99	96	96	1.00	96	3123
513	1.64	3	402	134	660	220	1.23	514	3124
202	1.30	1	105	105	190	190	0.52	366	3125
312	1.45	1	295	295	422	422	0.94	454	3126
92	.57½	2	184	92	106	53	2.00	53	3127
313	2.12½	1	312	312	660	660	1.00	662	3128
202	1.40	1	73	73	102	102	0.36	282	3129
91	.61	1	101	101	61	61	1.11	55	3130
91	.61	2	174	87	106	53	1.91	55	3131
365	2.50	2	209	105	513	257	0.57	896	3132
365	2.15	2	713	357	1,533	767	1.65	725	3133
135	1.04½	2	270	135	231	141	2.00	141	3134
365	2.00	1	337	337	655	655	0.92	709	3135
365	1.65	3	641	214	1,072	357	1.76	610	3136
365	1.65	2	623	312	1,010	505	1.71	562	3137
365	2.06½	4	1,197	299	2,474	619	3.23	754	3138
365	1.60½	2	660	330	1,092	546	1.86	586	3139
334	1.27½	4	464	116	582	148	1.39	426	3140
184	1.75	9	717	80	1,256	140	3.90	322	3141
365	1.42½	4	274	69	391	98	0.75	521	3142
91	.69	6	517	86	356	59	5.63	63	3143
365	1.75	1	351	351	640	640	0.93	666	3144
299	.82	12	1,506	121	1,296	103	5.24	247	3145
296	1.35	6	1,323	223	1,806	301	4.63	366	3146
99	1.21½	1	127	127	154	154	1.23	129	3147
78	.50	1	2	2	1	1	0.03	39	3148
313	1.23	4	954	240	1,179	295	3.03	335	3149
286	1.70½	27	1,696	60	2,742	102	5.62	487	3150
313	1.55½	20	2,899	140	4,367	213	8.97	487	3151
267	.80	10	2,444	244	1,955	196	8.52	290	3152
155	1.43½	14	496	31	626	45	2.81	223	3153
313	.92	29	3,019	77	2,776	71	9.66	233	3154
92	.44½	75	3,213	43	1,426	19	34.91	41	3155
79	.76½	3	306	46	231	35	4.65	60	3156
48	(a)	13	(a)	(a)	531	41	(a)	(a)	3157
53	(a)	12	(a)	(a)	727	61	(a)	(a)	3158
155	1.60½	1	33	33	53	53	0.21	249	3159
92	.32½	2	162	51	33	17	1.11	20	3160
313	1.30	34	3,714	109	4,823	142	11.87	406	3161
78	2.33½	2	179	90	427	214	2.29	186	3162
78	2.12½	1	46	46	97	97	0.50	164	3163
313	2.00	1	278	278	557	557	0.89	627	3164
91	1.21½	1	76	76	96	96	0.86	112	3165
162	.75	3	38	13	22	9	0.23	124	3166
365	.70½	9	790	88	555	62	2.17	256	3167
91	.44½	4	234	59	149	37	3.67	41	3168
91	.20½	3	271	90	55	18	2.98	13	3169
313	1.50	1	147	147	214	214	0.47	456	3170
202	1.48½	6	134	22	196	33	0.66	265	3171
313	1.40	4	1,154	289	1,615	404	2.60	438	3172
313	1.18½	4	342	85	408	102	1.10	373	3173
313	.47½	3	419	140	199	66	1.34	149	3174
79	.23	2	113	57	26	13	1.43	13	3175
48	.25	2	100	50	25	13	2.03	12	3176
156	1.01½	8	920	116	942	118	5.96	158	3177
53	.44½	4	183	42	75	19	3.17	24	3178
313	1.44½	1	9	9	13	13	0.03	452	3179
313	2.66	9	895	89	2,142	238	2.57	833	3180
213	1.94½	1	117	117	223	223	0.37	597	3181
313	1.62½	2	293	148	438	143	0.95	514	3182
313	.35	2	487	244	175	88	1.56	112	3183
202	1.30	4	214	54	297	74	1.06	280	3184
202	1.95	3	145	49	285	95	0.72	394	3185
202	1.83	1	88	88	161	161	0.44	370	3186
256	1.40	15	420	28	588	39	1.47	490	3187

a Paid by the quantity. The daily rate of pay and days of work done cannot be given]

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
3188	1	Tappers, cupola	Steel ingots	United States
3189	101	Teamsters	Pig iron	Southern district, U. S.
3100	9	do	Muck bar iron	United States
3191	26	do	Muck bar iron	United States
3192		do	Mixed iron and steel	United States
3193		do	Mixed iron and steel	United States
3194		do	Mixed iron and steel	United States
3195	26	do	Bituminous coal	United States
3196		do	Bituminous coal	United States
3197		do	Bituminous coal	United States
3198	13	do	Coke	United States
3199	51	do	Iron ore	United States
3200	72	do	Iron ore	United States
3201	9	Teamsters (with teams)	Pig iron	Northern district, U. S.
3202	32	do	Pig iron	Northern district, U. S.
3203	42	do	Pig iron	Northern district, U. S.
3204	49	do	Pig iron	Northern district, U. S.
3205	83	do	Pig iron	Northern district, U. S.
3206		do	Mixed iron and steel	United States
3207	45	do	Iron ore	United States
3208		Teamster and tram-road repairer	Bituminous coal	United States
3209		Teamster	Mixed iron and steel	Great Britain
3210		Telegraphmen	Steel blooms	United States
3211		do	Mixed iron and steel	United States
3212	2	Test boys	Steel ingots	United States
3213	7	Test catchers	Steel ingots	United States
3214		Test preparer	Mixed iron and steel	Great Britain
3215		Test preparer (boy)	Mixed iron and steel	Great Britain
3216	1	Testers	Steel ingots	United States
3217	5	do	Steel ingots	United States
3218		do	Steel ingots	Continent of Europe
3219	26	Timbermen	Bituminous coal	United States
3220	109	do	Bituminous coal	United States
3221		do	Bituminous coal	United States
3222	148	do	Bituminous coal	Dominion of Canada
3223	170	do	Bituminous coal	Great Britain
3224	1	do	Iron ore	United States
3225	12	do	Iron ore	United States
3226	42	do	Iron ore	United States
3227	45	do	Iron ore	United States
3228	51	do	Iron ore	United States
3229	56	do	Iron ore	United States
3230	59	do	Iron ore	United States
3231	61	do	Iron ore	United States
3232	69	do	Iron ore	United States
3233	72	do	Iron ore	United States
3234	80	do	Iron ore	Continent of Europe
3235	42	Timbermen, boss	Iron ore	United States
3236	72	do	Iron ore	United States
3237	9	Timekeepers	Pig iron	Northern district, U. S.
3238	10	do	Pig iron	Northern district, U. S.
3239	41	do	Pig iron	Northern district, U. S.
3240	58	do	Pig iron	Northern district, U. S.
3241	1	do	Steel ingots	United States
3242		do	Mixed iron and steel	United States
3243		do	Mixed iron and steel	United States
3244		do	Mixed iron and steel	United States
3245		do	Mixed iron and steel	Great Britain
3246	72	do	Iron ore	United States
3247	36	Timekeeper and number taker	Pig iron	Great Britain
3248		Timekeeper and yardmaster	Mixed iron and steel	United States
3249		Tippers	Pig iron	Great Britain
3250		do	Mixed iron and steel	Great Britain
3251	96	Tipplemon	Bituminous coal	United States
3252	107	do	Bituminous coal	United States
3253		Tongsmen	Steel billets	United States
3254		do	Mixed iron and steel	Great Britain
3255		do	Mixed iron and steel	Great Britain
3256		Tongsmen and transmitters	Steel billets	United States



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Working days in the period.	Actual daily earnings, or daily rate nearest to average daily earnings.	Actual condition for period.				Condition if workmen had continuous employment.		Marginal number.	
		Different employes.	Days of work done.		Earnings.		Necessary employes.		Consequent average earnings per employe.
			Total.	Average.	Total.	Average.			
313	\$3.06½	4	499	125	\$1,530	\$383	1.59	\$960	3188
184	1.01½	10	516	52	525	53	2.80	187	3189
313	1.33½	2	359	180	480	240	1.15	418	3190
313	1.62	3	37	12	60	20	0.12	508	3191
313	1.25	1	313	313	391	391	1.00	391	3192
313	1.27	4	424	106	539	135	1.35	398	3193
313	1.41	13	793	61	1,117	86	2.53	441	3194
313	1.21½	2	127	64	154	77	0.41	380	3195
313	1.50	1	300	300	450	450	0.96	470	3196
313	1.28	32	893	28	1,144	36	2.84	401	3197
313	1.35	2	358	179	482	241	1.14	421	3198
313	1.00	4	463	116	463	116	1.48	313	3199
313	2.12	3	447	149	947	316	1.43	663	3200
313	5.25	3	296	99	1,551	517	0.95	1,640	3201
313	2.40	1	9	9	21	21	0.03	730	3202
313	3.09	2	146	73	436	218	0.47	935	3203
313	3.13	2	46	23	144	72	0.15	980	3204
79	3.00	3	151	50	453	151	1.91	237	3205
313	3.00	2	444	222	1,314	657	1.42	926	3206
313	3.00	4	58	15	173	43	0.19	934	3207
313	1.25	1	4	4	5	5	0.01	391	3208
156	(a)	1	(a)	(a)	55	55	(a)	(a)	3209
230	3.65½	2	178	89	651	326	0.77	841	3210
313	1.80½	11	1,309	119	2,365	215	4.18	566	3211
132	1.60	4	142	36	226	57	1.08	210	3212
230	1.55	4	511	128	797	199	2.22	959	3213
156	.93½	1	167	167	155	155	1.07	145	3214
156	.73	1	170	170	129	129	1.09	118	3215
313	7.00	1	20	20	140	140	0.06	2,191	3216
132	1.54½	1	81	81	125	125	0.61	204	3217
77	.87	1	43	43	37	37	0.56	66	3218
313	2.04½	8	450	56	920	115	1.44	640	3219
313	2.00	1	279	279	568	568	0.89	637	3220
313	(a)	23	(a)	(a)	3,317	144	(a)	(a)	3221
313	1.35½	31	6,294	203	8,538	275	20.11	425	3222
91	1.08	2	159	80	172	86	1.75	98	3223
313	1.86	13	1,259	97	2,344	180	4.03	583	3224
313	2.07	3	552	184	1,143	381	1.77	648	3225
313	1.35	2	575	288	786	393	1.84	428	3226
313	1.89	3	497	166	939	313	1.59	501	3227
313	1.40	2	256	128	358	177	0.82	432	3228
313	1.25	1	175	175	217	217	0.56	388	3229
313	1.05	1	252	252	264	264	0.81	328	3230
155	1.25	1	108	108	135	135	0.70	194	3231
313	1.56	1	24	24	37	37	0.08	483	3232
313	2.03½	22	1,216	55	2,477	113	3.89	638	3233
158	.71½	1	156	156	111	111	0.99	112	3234
313	2.00	1	273	273	545	545	0.87	625	3235
313	2.80	1	318	318	888	888	1.02	874	3236
365	2.46½	1	92	92	225	225	0.25	893	3237
365	1.52	1	335	335	510	510	0.92	556	3238
167	1.63½	1	167	167	273	273	1.00	273	3239
313	2.88½	1	312	312	900	900	1.00	903	3240
365	2.58	1	327	327	844	844	0.90	942	3241
155	2.40½	1	27	27	65	65	0.17	373	3242
313	2.00	1	211	211	420	426	0.67	632	3243
313	2.50	2	622	311	1,560	780	1.99	785	3244
48	1.62	1	48	48	78	78	1.00	78	3245
313	2.05	2	311	156	639	320	0.99	643	3246
91	.72½	1	91	91	66	66	1.00	66	3247
155	2.32½	1	155	155	360	360	1.00	360	3248
135	.93	9	1,246	138	1,157	129	9.23	125	3249
53	(a)	1	(a)	(a)	76	76	(a)	(a)	3250
313	1.50	10	379	38	568	57	1.21	469	3251
313	1.25	11	727	66	907	82	2.33	390	3252
202	2.33½	8	412	52	963	120	2.04	472	3253
156	1.11½	1	124	124	137	137	0.79	172	3254
53	(a)	4	(a)	(a)	198	50	(a)	(a)	3255
202	2.25½	2	160	80	361	181	0.79	456	3256

a Paid by the quantity. The daily rate of pay and days of work done cannot be given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
3257	42	Tool boys.....	Iron ore.....	United States.....
3258	7	Toolmen.....	Muck bar iron.....	United States.....
3259	18	Tracklayers.....	Bituminous coal.....	United States.....
3260	26	do.....	Bituminous coal.....	United States.....
3261	55	do.....	Bituminous coal.....	United States.....
3262		do.....	Bituminous coal.....	United States.....
3263		do.....	Bituminous coal.....	United States.....
3264		Tracklayer and trapper.....	Bituminous coal.....	United States.....
3265	67	Trackmen.....	Pig iron.....	United States.....
3266		do.....	Mixed iron and steel.....	Northern district, U. S.....
3267	109	do.....	Bituminous coal.....	United States.....
3268	72	do.....	Iron ore.....	United States.....
3269		Tram-road repairers.....	Bituminous coal.....	United States.....
3270		Trammers.....	Bituminous coal.....	United States.....
3271	1	do.....	Iron ore.....	United States.....
3272	72	do.....	Iron ore.....	United States.....
3273	1	Transfermen.....	Steel ingots.....	United States.....
3274		do.....	Steel billets.....	United States.....
3275		Transmitters, car.....	Steel billets.....	United States.....
3276		Transmitters, hook.....	Steel billets.....	United States.....
3277		Transmitters, hydraulic.....	Steel billets.....	United States.....
3278		Transportmen.....	Mixed iron and steel.....	United States.....
3279	18	Trappers.....	Bituminous coal.....	Continent of Europe.....
3280	26	do.....	Bituminous coal.....	United States.....
3281	55	do.....	Bituminous coal.....	United States.....
3282	96	do.....	Bituminous coal.....	United States.....
3283	109	do.....	Bituminous coal.....	United States.....
3284		do.....	Bituminous coal.....	United States.....
3285		do.....	Bituminous coal.....	United States.....
3286		do.....	Bituminous coal.....	United States.....
3287	148	do.....	Bituminous coal.....	United States.....
3288	170	do.....	Bituminous coal.....	Dominion of Canada.....
3289	18	Trimmers.....	Bituminous coal.....	Great Britain.....
3290	26	do.....	Bituminous coal.....	United States.....
3291	55	do.....	Bituminous coal.....	United States.....
3292	96	do.....	Bituminous coal.....	United States.....
3293		do.....	Bituminous coal.....	United States.....
3294	72	do.....	Bituminous coal.....	United States.....
3295		Trimmer, boss.....	Iron ore.....	United States.....
3296	1	Truckmen.....	Bituminous coal.....	United States.....
3297	43	do.....	Iron ore.....	United States.....
3298	56	do.....	Iron ore.....	United States.....
3299	59	do.....	Iron ore.....	United States.....
3300	61	do.....	Iron ore.....	United States.....
3301		Turbine men.....	Iron ore.....	United States.....
3302		Turn-overs.....	Steel rails.....	United States.....
3303		Turners.....	Mixed iron and steel.....	Continent of Europe.....
3304		do.....	Mixed iron and steel.....	Great Britain.....
3305		do.....	Mixed iron and steel.....	Continent of Europe.....
3306		Turners' helpers.....	Mixed iron and steel.....	Continent of Europe.....
3307		Tuyère fitter.....	Mixed iron and steel.....	Continent of Europe.....
3308	58	Unloaders.....	Pig iron.....	Continent of Europe.....
3309	1	do.....	Pig iron.....	Great Britain.....
3310		do.....	Pig iron.....	Northern district, U. S.....
3311		do.....	Steel ingots.....	United States.....
3312	2	Vessel cinders.....	Mixed iron and steel.....	United States.....
3313	2	Vessel repairers.....	Mixed iron and steel.....	Great Britain.....
3314	7	do.....	Steel ingots.....	United States.....
3315	2	Vessel scrapers.....	Steel ingots.....	United States.....
3316	1	Vessel tenders.....	Steel ingots.....	United States.....
3317	1	Vesselmen.....	Steel ingots.....	United States.....
3318	2	do.....	Steel ingots.....	United States.....
3319	7	do.....	Steel ingots.....	United States.....
3320		do.....	Steel ingots.....	United States.....
3321		do.....	Steel ingots.....	Continent of Europe.....
3322	170	Wagon builders and repairers.....	Mixed iron and steel.....	Great Britain.....
3323	170	Wagon builders' shop boy.....	Bituminous coal.....	Great Britain.....
			Bituminous coal.....	Great Britain.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$0.65	11	2,511	228	\$1,638	\$149	8.02	\$204	3257
155	1.37½	1	115	115	158	158	0.74	213	3258
153	1.75	1	143	143	251	251	0.91	277	3259
313	2.25	2	222	111	486	243	0.71	685	3260
313	2.00	1	269	269	540	540	0.86	628	3261
313	2.08½	11	656	60	1,368	124	2.09	653	3262
313	2.15	1	317	317	692	692	1.01	683	3263
313	1.50	1	6	6	9	9	0.02	470	3264
313	1.40	1	295	295	413	413	0.94	438	3265
313	1.43	6	799	133	1,141	190	2.55	447	3266
313	2.09½	8	611	76	1,279	160	1.95	655	3267
313	1.93	4	431	108	831	208	1.37	603	3268
313	1.87	10	810	81	1,516	152	2.59	586	3269
313	.65	9	60	7	39	4	0.19	203	3270
313	1.50	7	594	85	890	127	1.90	469	3271
313	1.91½	94	4,213	45	8,075	86	13.47	600	3272
313	2.15	4	160	40	344	86	0.51	673	3273
202	1.65	1	23	23	37	37	0.11	325	3274
202	2.19	9	522	58	1,144	127	2.58	443	3275
202	2.46½	6	335	56	825	138	1.65	497	3276
202	1.93	2	148	74	286	143	0.73	390	3277
313	.44	39	6,411	164	2,815	72	20.48	137	3278
158	.87½	2	305	153	267	134	1.93	138	3279
313	.80	2	273	137	216	108	0.87	248	3280
313	.40	1	44	44	19	19	0.14	135	3281
313	.50	15	986	66	493	33	3.15	157	3282
313	.59½	13	736	57	438	34	2.35	186	3283
313	.60	6	329	55	198	33	1.05	188	3284
313	.80½	31	1,451	47	1,165	38	4.64	251	3285
313	.61½	25	1,459	58	894	36	4.66	192	3286
313	.40	6	803	134	330	55	2.57	129	3287
91	.33½	4	293	75	102	26	3.27	31	3288
158	1.75	1	159	159	277	277	1.01	275	3289
313	1.46½	5	348	70	510	102	1.11	459	3290
313	1.46½	3	338	113	496	165	1.08	469	3291
313	1.56½	7	219	31	343	49	0.70	490	3292
313	1.55	4	404	101	627	157	1.29	486	3293
313	2.02	25	2,227	89	4,493	180	7.12	631	3294
313	1.88½	1	272	272	512	512	0.87	589	3295
313	1.50	1	235	235	353	353	0.75	470	3296
313	1.20	6	449	75	544	91	1.43	379	3297
313	1.13	10	219	22	247	25	0.70	353	3298
313	.93½	22	2,452	111	2,291	104	7.84	292	3299
155	1.10½	22	1,429	65	1,577	72	9.22	171	3300
78	.70½	6	410	68	289	48	5.25	55	3301
156	1.82½	4	489	122	892	223	3.13	285	3302
313	.77½	6	1,202	200	933	156	3.84	243	3303
313	.66	4	1,003	251	661	165	3.20	206	3304
79	.66½	3	223	74	148	49	2.82	52	3305
313	.38½	10	2,408	241	933	93	7.69	121	3306
135	1.05½	1	186	186	195	195	1.38	142	3307
313	(a)	(b)	(a)	(a)	3,438	(b)	(a)	(a)	3308
313	1.58½	11	216	20	342	31	0.69	496	3309
313	(a)	1	(a)	(a)	998	998	(a)	(a)	3310
53	.77	1	24	24	18	18	0.45	40	3311
132	2.72	3	164	55	446	149	1.24	359	3312
132	2.40	1	32	32	77	77	0.24	318	3313
230	1.65	3	587	196	970	323	2.55	380	3314
132	2.11	5	207	41	437	87	1.57	279	3315
313	1.40	7	209	30	293	42	0.67	439	3316
313	2.87½	11	1,586	144	4,559	414	5.07	900	3317
132	3.65	5	460	92	1,678	335	3.49	482	3318
239	5.22	4	637	164	3,430	858	2.85	1,201	3319
77	.80	4	262	66	210	53	3.40	62	3320
53	(a)	18	(a)	(a)	919	51	(a)	(a)	3321
91	1.11½	6	435	73	486	81	4.78	102	3322
91	.51	1	77	77	40	40	0.85	47	3323

a Paid by the quantity. The daily rate of pay and days of work done can not be given.  
b Number of employes not given.

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- gin- al num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
3324	42	Wagonmakers	Iron ore	United States
3325	29	Warehousemen	Finished bar iron	Great Britain
3326		do	Mixed iron and steel	United States
3327		do	Mixed iron and steel	Continent of Europe
3328	29	Wash heaters	Finished bar iron	Great Britain
3329		do	Mixed iron and steel	Great Britain
3330	29	Wash heaters' helpers	Finished bar iron	Great Britain
3331		do	Mixed iron and steel	Great Britain
3332	56	Washormen	Iron ore	United States
3333	61	do	Iron ore	United States
3334	32	Watchmen	Pig iron	Northern district, U. S.
3335	58	do	Pig iron	Northern district, U. S.
3336	9	do	Muck bar iron	United States
3337	26	do	Muck bar iron	Great Britain
3338	86	do	Steel ingots	United States
3339	1	do	Steel ingots	United States
3340	7	do	Steel billets	United States
3341		do	Steel blooms	United States
3342		do	Mixed iron and steel	United States
3343		do	Mixed iron and steel	United States
3344		do	Mixed iron and steel	United States
3345		do	Mixed iron and steel	United States
3346		do	Mixed iron and steel	United States
3347		do	Mixed iron and steel	United States
3348		do	Mixed iron and steel	Continent of Europe
3349		do	Mixed iron and steel	Continent of Europe
3350		do	Mixed iron and steel	Continent of Europe
3351		do	Mixed iron and steel	Great Britain
3352		do	Mixed iron and steel	Great Britain
3353		do	Bituminous coal	United States
3354	26	do	Bituminous coal	United States
3355		do	Bituminous coal	United States
3356		do	Bituminous coal	United States
3357		do	Bituminous coal	United States
3358	148	do	Bituminous coal	Dominion of Canada
3359	156	do	Bituminous coal	Continent of Europe
3360	170	do	Bituminous coal	Great Britain
3361	6	do	Coke	United States
3362	13	do	Coke	United States
3363	23	do	Coke	United States
3364	28	do	Coke	United States
3365	29	do	Coke	United States
3366		do	Coke	Continent of Europe
3367	42	do	Iron ore	United States
3368	45	do	Iron ore	United States
3369	46	do	Iron ore	United States
3370	69	do	Iron ore	United States
3371	72	do	Iron ore	United States
3372		Water boilers	Bituminous coal	United States
3373	9	Water boys	Pig iron	Northern district, U. S.
3374	16	do	Pig iron	Northern district, U. S.
3375	58	do	Pig iron	Northern district, U. S.
3376	95	do	Pig iron	Southern district, U. S.
3377	109	do	Pig iron	Southern district, U. S.
3378	2	do	Steel ingots	United States
3379	7	do	Steel ingots	United States
3380		do	Steel blooms	United States
3381		do	Steel rails	Continent of Europe
3382		do	Mixed iron and steel	United States
3383		do	Mixed iron and steel	United States
3384		do	Mixed iron and steel	United States
3385		do	Bituminous coal	United States
3386	107	do	Coke	United States
3387	23	do	Coke	United States
3388	28	do	Iron ore	United States
3389	12	do	Iron ore	United States
3390	41	do	Iron ore	United States
3391	42	do	Iron ore	United States
3392	44	do	Iron ore	United States

## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$1.54½	2	584	292	\$903	\$452	1.87	\$484	3324
108	1.00½	2	236	118	237	119	2.19	108	3325
313	1.54	6	1,428	238	2,201	367	4.57	482	3326
92	.58	1	92	92	53	53	1.00	53	3327
99	2.27½	2	186	93	423	212	1.88	225	3328
156	4.76½	2	251	126	1,196	598	1.61	743	3329
99	.71	1	116	116	83	83	1.17	71	3330
156	.48½	2	251	126	122	61	1.61	76	3331
313	1.02	2	418	209	427	214	1.33	320	3332
155	1.10	1	121	121	133	133	0.78	170	3333
365	1.50	1	317	317	473	473	0.87	545	3334
365	1.60	1	361	361	578	578	0.99	584	3335
365	1.50	1	297	297	446	446	0.81	548	3336
313	2.07	8	773	97	1,599	200	2.47	647	3337
126	.95½	1	135	135	129	129	1.07	120	3338
365	1.75	13	500	38	874	67	1.37	636	3339
292	1.55	2	364	182	564	282	1.25	452	3340
235	1.75	5	1,052	210	1,843	369	4.48	412	3341
292	1.58	3	534	178	844	281	1.83	462	3342
365	2.50	1	335	335	838	838	0.92	913	3343
313	1.73½	2	328	164	569	285	1.05	543	3344
365	1.54½	3	1,133	378	1,749	583	3.11	563	3345
168	1.52½	4	354	89	539	135	2.10	256	3346
313	1.67½	8	2,282	279	3,744	468	7.13	525	3347
77	.58	1	84	84	49	49	1.09	45	3348
313	.32½	4	1,140	285	369	92	3.64	101	3349
92	.51½	5	459	92	236	47	4.99	47	3350
313	.39½	1	366	366	145	145	1.17	124	3351
48	.36½	1	56	56	20	20	1.17	17	3352
53	.52½	1	56	56	30	30	1.06	28	3353
365	1.21	1	53	53	64	64	0.15	441	3354
313	2.00	1	25	25	50	50	0.08	626	3355
365	1.64	1	286	286	469	469	0.78	599	3356
313	1.75	1	25	25	44	44	0.08	551	3357
365	1.60	1	353	353	353	353	0.97	365	3358
77	.93	1	78	78	75	75	1.01	74	3359
91	.97½	1	91	91	91	91	1.00	91	3360
92	1.25	2	91	46	114	57	0.99	115	3361
313	1.60	1	350	350	560	560	1.12	501	3362
365	1.00	1	311	311	311	311	0.85	365	3363
365	1.25	1	69	69	86	86	0.19	455	3364
365	1.20	1	328	328	394	394	0.90	438	3365
365	.38½	1	365	365	141	141	1.00	141	3366
365	1.15	2	609	305	706	353	1.67	423	3367
313	1.65	2	615	308	1,015	508	1.96	517	3368
365	1.55	1	359	359	556	556	0.98	565	3369
313	1.00	1	166	166	173	173	0.53	326	3370
365	1.50	1	50	50	75	75	0.14	548	3371
313	1.09	6	304	66	429	72	1.26	341	3372
365	.60½	1	345	345	209	209	0.95	221	3373
365	.85½	7	730	104	623	89	2.00	312	3374
365	.79½	8	627	78	500	63	1.71	291	3375
384	1.15	3	356	119	413	138	1.07	387	3376
365	.50	9	908	101	458	51	2.49	184	3377
132	.70	9	368	41	258	29	2.79	93	3378
230	.60	6	761	127	466	78	3.31	141	3379
230	.60	3	20	7	12	4	0.09	138	3380
78	.38½	1	73	73	28	28	0.94	30	3381
313	.65	1	17	17	11	11	0.65	203	3382
155	.90	5	110	22	99	20	0.71	140	3383
313	.80	1	36	36	29	29	0.12	252	3384
313	1.25	4	853	213	1,067	267	2.73	392	3385
313	1.75	2	130	65	227	114	0.42	547	3386
313	.40	2	188	94	75	38	0.69	125	3387
313	.63½	4	196	49	124	31	0.63	198	3388
313	1.20	2	595	298	708	354	1.90	372	3389
313	.66½	5	625	125	416	83	2.00	208	3390
313	.47	30	4,950	165	2,815	77	15.81	146	3391
217	.75	1	210	210	157	157	0.97	162	3392



TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
3393	48	Water boys—concluded.....	Iron ore .....	United States.....
3394	51	do .....	Iron ore .....	United States.....
3395	69	do .....	Iron ore .....	United States.....
3396	1	Water carriers.....	Steel ingots.....	United States.....
3397		do .....	Steel billets.....	United States.....
3398	96	Water haulers.....	Bituminous coal.....	United States.....
3399		do .....	Bituminous coal.....	United States.....
3400		do .....	Bituminous coal.....	United States.....
3401	170	Water men.....	Bituminous coal.....	Great Britain.....
3402	9	Water tenders.....	Pig iron .....	Northern district, U. S.....
3403	10	do .....	Pig iron .....	Northern district, U. S.....
3404	42	do .....	Pig iron .....	Northern district, U. S.....
3405	55	do .....	Pig iron .....	Northern district, U. S.....
3406	58	do .....	Pig iron .....	Northern district, U. S.....
3407	103	do .....	Pig iron .....	Northern district, U. S.....
3408	36	do .....	Pig iron .....	Southern district, U. S.....
3409	1	do .....	Pig iron .....	Great Britain.....
3410	7	do .....	Steel ingots.....	United States.....
3411		do .....	Steel ingots.....	United States.....
3412		do .....	Steel billets.....	United States.....
3413		do .....	Steel blooms.....	United States.....
3414		do .....	Steel blooms.....	United States.....
3415		do .....	Mixed iron and steel.....	United States.....
3416		do .....	Mixed iron and steel.....	United States.....
3417		do .....	Mixed iron and steel.....	United States.....
3418		do .....	Mixed iron and steel.....	Continent of Europe.....
3419		Water-gate man.....	Coke.....	Continent of Europe.....
3420	2	Weighmasters.....	Mixed iron and steel.....	United States.....
3421	7	do .....	Steel ingots.....	United States.....
3422		do .....	Steel ingots.....	United States.....
3423		do .....	Steel billets.....	United States.....
3424	96	do .....	Mixed iron and steel.....	United States.....
3425	107	do .....	Bituminous coal.....	United States.....
3426		do .....	Bituminous coal.....	United States.....
3427		do .....	Bituminous coal.....	United States.....
3428		do .....	Bituminous coal.....	United States.....
3429	10	Weighmen.....	Pig iron .....	Northern district, U. S.....
3430	22	do .....	Pig iron .....	Northern district, U. S.....
3431	42	do .....	Pig iron .....	Northern district, U. S.....
3432	55	do .....	Pig iron .....	Northern district, U. S.....
3433	84	do .....	Pig iron .....	Northern district, U. S.....
3434	101	do .....	Pig iron .....	Northern district, U. S.....
3435	109	do .....	Pig iron .....	Southern district, U. S.....
3436	40	do .....	Pig iron .....	Southern district, U. S.....
3437		do .....	Pig iron .....	Continent of Europe.....
3438	36	do .....	Pig iron .....	Continent of Europe.....
3439	37	do .....	Pig iron .....	Great Britain.....
3440		do .....	Pig iron .....	Great Britain.....
3441	7	do .....	Pig iron .....	Great Britain.....
3442	9	do .....	Muck bar iron.....	United States.....
3443	36	do .....	Muck bar iron.....	United States.....
3444	29	do .....	Muck bar iron.....	Great Britain.....
3445	1	do .....	Finished bar iron.....	Great Britain.....
3446	7	do .....	Steel ingots.....	United States.....
3447		do .....	Steel ingots.....	United States.....
3448		do .....	Steel ingots.....	Continent of Europe.....
3449		do .....	Steel ingots.....	Continent of Europe.....
3450		do .....	Steel ingots.....	Continent of Europe.....
3451		do .....	Steel billets.....	United States.....
3452		do .....	Steel blooms.....	United States.....
3453		do .....	Steel rails.....	Continent of Europe.....
3454		do .....	Mixed iron and steel.....	United States.....
3455		do .....	Mixed iron and steel.....	United States.....
3456		do .....	Mixed iron and steel.....	United States.....
3457		do .....	Mixed iron and steel.....	United States.....
3458		do .....	Mixed iron and steel.....	United States.....
3459		do .....	Mixed iron and steel.....	Continent of Europe.....
3460		do .....	Mixed iron and steel.....	Continent of Europe.....
3461		do .....	Mixed iron and steel.....	Continent of Europe.....



## TIME AND EARNINGS BY OCCUPATIONS—Continued.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
313	\$0.75	1	136	136	\$93	\$93	0.43	\$214	3393
313	.50	1	68	68	34	34	0.22	157	3394
313	.56½	9	952	106	536	60	3.04	176	3395
313	1.35	7	357	51	487	70	1.14	427	3396
202	1.35	1	130	130	177	177	0.64	275	3397
313	2.00	1	20	20	40	40	0.06	626	3398
313	1.75	2	496	248	868	434	1.58	548	3399
313	1.50	4	155	39	231	58	0.50	466	3400
91	.78½	2	59	30	45	23	0.65	69	3401
365	2.08	4	235	59	489	122	0.64	760	3402
365	2.00	3	760	253	1,511	504	2.08	726	3403
365	1.50	2	591	296	888	414	1.62	548	3404
181	1.75	3	333	111	589	196	1.84	320	3405
365	2.10	2	709	355	1,495	748	1.94	770	3406
365	1.40	2	475	238	669	335	1.30	514	3407
91	.59	1	91	91	54	54	1.00	54	3408
313	1.50	2	278	139	416	208	0.89	468	3409
230	2.25	2	413	207	929	465	1.80	517	3410
202	1.50	2	225	113	338	169	1.11	303	3411
132	2.40	3	328	109	786	262	2.48	316	3412
230	2.21½	4	498	125	1,102	276	2.17	509	3413
313	2.10	3	695	232	1,456	485	2.22	656	3414
313	2.12½	4	1,264	316	2,690	673	4.04	666	3415
313	1.62	3	638	213	1,034	345	2.04	507	3416
79	.71	2	185	93	131	66	2.34	56	3417
365	.25	3	150	50	38	13	0.41	92	3418
155	.75	1	23	23	17	17	0.15	115	3419
132	2.40	4	242	61	581	145	1.83	317	3420
230	2.65	3	390	130	1,031	344	1.70	608	3421
202	2.30	1	201	201	456	456	1.00	458	3422
313	1.70½	3	767	256	1,309	436	2.45	534	3423
313	2.00	1	317	317	634	634	1.01	626	3424
313	2.23½	2	292	146	653	327	0.93	700	3425
313	2.30	1	313	313	720	720	1.00	720	3426
313	2.30	1	313	313	720	720	1.00	720	3427
313	2.03½	2	333	167	677	339	1.06	636	3428
265	1.97½	1	365	365	720	720	1.00	720	3429
365	1.55	3	722	241	1,105	368	1.98	559	3430
365	1.50	2	642	321	967	484	1.76	550	3431
181	1.75	2	354	177	620	310	1.96	317	3432
122	1.25	2	215	108	268	134	1.76	152	3433
184	1.30	6	806	134	1,046	174	4.38	239	3434
365	1.35	3	780	260	1,015	338	2.14	475	3435
90	.64	1	79	79	51	51	0.88	58	3436
91	.64	4	349	87	224	56	3.84	58	3437
91	.61	2	182	91	111	56	2.00	56	3438
91	.36½	6	521	87	190	32	5.73	33	3439
135	.73½	4	540	135	396	99	4.00	99	3440
155	1.75	4	316	79	550	138	2.04	270	3441
286	2.03	5	788	158	1,598	320	2.76	580	3442
99	.88	2	198	99	175	88	2.00	88	3443
99	.96½	3	335	112	324	108	3.38	96	3444
313	1.80	3	407	136	733	244	1.30	564	3445
230	1.82	6	1,130	188	2,055	343	4.92	418	3446
77	.68½	3	210	70	144	48	2.73	53	3447
27	.67½	1	29	29	19	19	1.07	18	3448
78	.57½	2	143	72	82	41	1.83	45	3449
202	1.80	2	83	42	149	75	0.41	363	3450
230	1.72	6	445	74	765	128	1.94	395	3451
77	.76	2	151	76	115	58	1.96	59	3452
286	1.75	2	481	241	842	421	1.68	501	3453
313	1.20	1	248	248	291	291	0.79	367	3454
313	1.77½	7	1,114	159	1,980	283	3.55	556	3455
287	1.60	1	378	378	623	623	1.32	473	3456
155	1.68½	5	341	68	575	115	2.20	261	3457
77	.60½	6	469	78	283	47	6.10	46	3458
313	.64	13	2,217	171	1,421	109	7.08	201	3459
92	.43	34	1,466	43	633	19	15.95	40	3460
313	.70½	3	905	302	610	213	2.89	221	3461

TABLE XIII.—SUMMARY OF ACTUAL AND THEORETICAL

[Each line shows the total of an occupation in an establishment. In a like occupation the facts for the periods are of equal length. The establishment numbers relate to the cost of production presented for the establishment was obtained. In referring from this table to those on production by means of

Mar- ginal num- ber.	Es- tab- lish- ment num- ber.	Occupation.	Industry.	Locality.
3462	—	Weighmen—concluded .....	Mixed iron and steel..	Continent of Europe....
3463	—	do .....	Mixed iron and steel..	Great Britain.....
3464	—	do .....	Mixed iron and steel..	Great Britain.....
3465	18	do .....	Bituminous coal .....	United States.....
3466	26	do .....	Bituminous coal .....	United States.....
3467	109	do .....	Bituminous coal .....	United States.....
3468	148	do .....	Bituminous coal .....	United States.....
3469	170	do .....	Bituminous coal .....	Dominion of Canada....
3470	—	do .....	Bituminous coal .....	Great Britain.....
3471	1	do .....	Coke .....	Continent of Europe....
3472	41	do .....	Iron ore .....	United States.....
3473	51	do .....	Iron ore .....	United States.....
3474	—	Welders .....	Iron ore .....	United States.....
3475	37	Wheel changer .....	Mixed iron and steel..	Continent of Europe....
3476	36	Wheelers .....	Pig iron .....	Great Britain.....
3477	—	do .....	Muck bar iron .....	Great Britain.....
3478	29	Wheelers-in .....	Mixed iron and steel..	Great Britain.....
3479	—	Wheelman .....	Finished bar iron .....	Great Britain.....
3480	9	Whitewashers .....	Mixed iron and steel..	United States.....
3481	42	do .....	Pig iron .....	Northern district, U. S..
3482	—	Winders .....	Iron ore .....	United States.....
3483	58	Wipers .....	Mixed iron and steel..	Great Britain.....
3484	58	Woolmen .....	Pig iron .....	Northern district, U. S..
3485	58	Yardmasters .....	Pig iron .....	Northern district, U. S..
3486	67	do .....	Pig iron .....	Northern district, U. S..
3487	84	do .....	Pig iron .....	Northern district, U. S..
3488	—	do .....	Mixed iron and steel..	United States.....
3489	—	do .....	Mixed iron and steel..	United States.....
3490	—	Yardmen .....	Steel blooms .....	United States.....
3491	—	do .....	Mixed iron and steel..	United States.....

## TIME AND EARNINGS BY OCCUPATIONS—Concluded.

one establishment cannot be compared with those for another (except as to daily rate of pay), unless tion, Tables I to XI. Where no establishment number is given no statement of cost of production these numbers, note should be taken of the industry, as a new series of numbers is used for each.]

Work- ing days in the period.	Actual daily earnings, or daily rate near- est to average daily earnings.	Actual condition for period.				Condition if workmen had continuous em- ployment.		Mar- gin- al num- ber.	
		Different employés.	Days of work done.		Earnings.		Necessary employés.		Consequent average earnings per em- ployé.
			Total.	Average.	Total.	Average.			
79	\$0.62½	2	146	73	\$91	\$46	1.85	\$49	3462
48	.61	2	92	46	56	28	1.92	29	3433
53	.60½	5	223	45	135	27	4.21	32	3464
158	1.75	1	154	154	269	269	0.97	276	3465
313	1.69	2	328	164	555	278	1.05	530	3466
313	2.01	2	333	167	670	335	1.06	630	3467
313	1.00	2	612	306	611	306	1.95	312	3468
91	1.21½	1	78	78	97	97	0.86	113	3469
365	.58	2	38	19	22	11	0.10	211	3470
313	1.50	1	25	25	38	38	0.08	476	3471
313	1.60	1	190	190	298	298	0.61	491	3472
313	1.16	1	286	286	332	332	0.91	363	3473
313	.87	16	3,992	250	3,481	218	12.75	273	3474
91	.61	1	64	64	38	38	0.70	54	3475
99	.76	2	258	129	198	99	2.61	76	3476
156	1.07½	20	2,614	131	2,816	141	16.75	168	3477
99	.84	4	368	92	309	77	3.72	83	3478
313	1.58½	1	240	240	380	380	0.77	496	3479
313	3.00	1	1	1	3	3	0.00	939	3480
313	2.25	1	11	11	25	25	0.04	711	3481
48	.49	8	309	39	152	19	6.44	24	3482
365	1.53	5	1,063	213	1,625	325	2.91	558	3483
365	1.57	5	909	182	1,425	285	2.49	572	3484
365	2.25	1	291	291	655	655	0.80	822	3485
365	2.00	1	321	321	642	642	0.88	730	3486
122	1.50	1	122	122	183	183	1.00	183	3487
313	1.75	1	227	227	389	389	0.73	536	3488
313	2.72	1	313	313	852	852	1.00	852	3489
251	2.25	1	263	263	596	596	1.05	569	3490
313	.76	16	1,153	72	874	55	3.69	237	3491



TABLE XIV.—SUMMARY OF ACTUAL AND THEORETICAL TIME AND EARNINGS BY INDUSTRIES.

[In the preceding table the working days in the period are shown for each occupation, but here only the length of the period for the establishment as a whole. The actual daily earnings, or daily rate nearest to average daily earnings of Table XII here, of course, becomes actual average daily earnings, as it is the quotient of the total earnings divided by the total days of work done in each establishment.]

## A.—PIG IRON.

Es- tab- lish- ment num- ber.	Locality.	Length of the period.	Act- ual aver- age daily earn- ings.	Actual condition for period.				Condition if work- men had contin- ous employment.		
				Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
					Total.	Aver- age.	Total.	Aver- ago.		
9	Northern district of the United States.	1 year ..	\$2. 03	310	25, 735	83	a \$52, 238	\$169	71. 18	\$734
10	do .....	1 year ..	1. 67½	507	45, 039	89	b 75, 519	149	127. 65	592
22	do .....	1 year ..	1. 58½	221	26, 700	121	c 42, 371	192	73. 76	574
32	do .....	1 year ..	1. 70	321	28, 938	90	d 49, 296	154	83. 73	589
42	do .....	1 year ..	1. 53½	192	38, 013	198	e 58, 272	304	109. 29	533
49	do .....	1 year ..	1. 47	114	21, 464	188	f 31, 593	277	60. 78	520
58	do .....	1 year ..	(f)	(g)	(f)	(f)	h 187, 677	(g)	(f)	(f)
67	do .....	1 year ..	1. 62	139	24, 685	178	i 40, 029	288	70. 33	569
55	do .....	6 months	1. 75½	183	17, 522	96	j 30, 746	168	99. 90	308
41	do .....	5½ mos. .	1. 45½	103	11, 782	114	k 17, 161	167	74. 21	231
84	do .....	4 months	1. 18½	85	6, 370	75	l 7, 534	86	52. 38	144
83	do .....	3 months	1. 52½	48	3, 106	65	m 4, 729	99	35. 44	133
103	Southern district of the United States.	1 year ..	1. 34	586	33, 037	56	n 44, 327	76	90. 44	490
109	do .....	1 year ..	1. 23	460	36, 622	80	o 44, 956	98	105. 59	426
114	do .....	1 year ..	1. 22	116	12, 436	107	p 15, 173	131	35. 92	422
95	do .....	11 mos. .	1. 34	358	17, 376	49	q 23, 287	65	52. 05	448
101	do .....	6 months	(f)	828	(f)	(f)	r 54, 433	66	(f)	(f)
40	Continent of Europe	3 months	. 70	36	2, 712	75	s 1, 895	53	30. 14	63
—	do .....	3 months	. 64	110	8, 565	78	t 5, 478	50	95. 11	58
—	Great Britain.....	4½ mos. .	1. 01½	137	18, 137	132	u 18, 412	134	134. 36	137
36	do .....	3 months	. 67	148	11, 618	79	v 7, 761	52	130. 62	59
87	do .....	3 months	. 62	262	20, 596	79	w 12, 795	49	231. 58	55

a This amount includes the wages in the production of both Bessemer and foundry pig iron, besides \$10,733 paid to outside persons for labor done under contract, while the statement for this establishment on page 51 is for Bessemer pig iron only.

b In addition \$2,667 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 52.

c The earnings here shown are for one year. The statement for this establishment on page 51 is for six months only.

d The earnings here shown include amounts paid a few employés not in the pig iron department which it was impossible to exclude. The statement for this establishment on page 51 is for pig iron only.

e The earnings here shown are for one year. The statement for this establishment on page 51 is for nine months only.

f Some employés were paid by the quantity, hence the daily rate of pay and days of work done cannot be given.

g Number of employés in a few occupations not given.

h The earnings here shown are for one year. The statement for this establishment on page 52 is for three months only.

i In addition \$1,361 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 592.

j The earnings shown here and for this establishment on page 51, although for the same length of time, are for different periods.

k The earnings shown here and for this establishment on page 52, although for the same length of time, are for different periods.

l In addition \$140 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 592.

m In addition \$2,571 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 592.

n In addition \$3,628 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 592.

o In addition \$365 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 52 and 593.

p The earnings here shown are for eleven months only. The statement for this establishment on page 52 is for eighteen months.

q The earnings here shown are for six months only. The statement for this establishment on page 52 is for one year.

r The earnings here shown are for three months. The statement for this establishment on page 51 is for one month only.

s The earnings here shown are for only a part of the employés, but they are thought to be fairly representative.

t The earnings here shown are for three months only. The statement for this establishment on page 51 is for six months.



TABLE XIV.—SUMMARY OF ACTUAL AND THEORETICAL TIME AND EARNINGS BY INDUSTRIES—Continued.

[In the preceding table the working days in the period are shown for each occupation, but here only the length of the period for the establishment as a whole. The actual daily earnings, or daily rate nearest to average daily earnings of Table XII here, of course, becomes actual average daily earnings, as it is the quotient of the total earnings divided by the total days of work done in each establishment.]

**B.—MUCK BAR IRON.**

Estab-lish-ment num-ber.	Locality.	Length of the period.	Act-nal aver-age daily earn-ings.	Actual condition for period.				Condition if work-men had continu-ous employment.		
				Dif-ferent em-ploy-és.	Days of work done.		Earnings.		Neces-sary em-ployés.	Conse-quent average earnings per employé.
					Total.	Aver-age.	Total.	Aver-age.		
9	United States.....	1 year ..	\$2.22½	169	24,685	146	\$54,886	\$325	83.14	\$660
17	.....do .....	1 year ..	2.60½	284	26,241	92	a 68,374	241	91.48	747
26	.....do .....	1 year ..	1.91½	272	34,060	125	b 65,204	240	117.38	555
7	.....do .....	6 months	2.38½	247	10,777	44	25,682	104	73.68	349
36	Great Britain.....	4 months	.93	17	1,990	117	c 1,852	109	19.81	93

a In addition \$2,642 was paid to outside persons for labor done at \$1.31 per day, which is included in the statements for this establishment on pages 113 and 593.

b In addition \$1,697 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 113 and 593.

c The earnings here shown are for only a part of the employes for four months. The statement for this establishment on page 113 is for all the employes for one year.

**C.—FINISHED BAR IRON.**

8	United States.....	1 year ..	\$2.44	97	19,043	196	a \$46,423	\$479	63.70	\$729
9	do .....	1 year ..	2.68½	86	11,679	136	31,359	365	39.82	788
29	Great Britain.....	4 months	1.25	147	13,894	95	b 17,393	118	139.63	125

a The earnings here shown include amounts paid a few employes not in the finished bar iron department. The statement for this establishment on page 127 is for finished bar iron only.

b The earnings here shown are for four months only. The statement for this establishment on page 127 is for one year.

**D.—STEEL INGOTS.**

1	United States.....	1 year ..	\$2.03½	921	49,048	53	\$99,891	\$108	155.29	\$643
7	do .....	9½ mos..	3.02½	295	32,101	109	a 97,030	329	138.42	701
2	do .....	5½ mos..	2.35	218	15,664	72	b 38,848	169	115.06	320
5	do .....	5 months	1.78½	71	3,174	45	c 5,663	80	24.07	236
—	Continent of Europe.	3 months	.71	88	5,740	65	4,088	46	74.55	55
—	do .....	3 months	.67	256	14,683	57	9,839	38	188.23	52
—	do .....	1 month.	.74	186	3,316	18	2,452	13	122.18	20

a The earnings here shown are for nine and one-half months only. The statement for this establishment on page 155 is for one year.

b The earnings here shown are for only a part of the employes for twenty-four weeks. The statement for this establishment on page 155 is for all the employes for twenty-five weeks.

c The earnings here shown are for five months and probably for only a part of the employes. The statement for this establishment on page 155 is for all the employes for six months.

**E.—STEEL BILLETS.**

—	United States.....	8 months	\$2.06	399	29,264	73	\$60,284	\$151	143.87	\$419
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**F.—STEEL BLOOMS.**

—	United States.....	9½ mos..	\$2.43	452	37,043	82	\$89,944	\$199	155.63	\$578
—	do .....	5½ mos..	2.12	195	15,194	78	32,226	165	110.79	291

**G.—STEEL RAILS.**

—	Continent of Europe	3 months	\$1.08½	55	3,587	65	\$3,896	\$71	46.61	\$84
—	do .....	3 months	.72	388	20,977	54	15,097	39	268.96	56

TABLE XIV.—SUMMARY OF ACTUAL AND THEORETICAL TIME AND EARNINGS BY INDUSTRIES—Continued.

[In the preceding table the working days in the period are shown for each occupation, but here only the length of the period for the establishment as a whole. The actual daily earnings, or daily rate nearest to average daily earnings of Table XII here, of course, becomes actual average daily earnings, as it is the quotient of the total earnings divided by the total days of work done in each establishment.]

## II.—MIXED IRON AND STEEL.

Estab- lish- ment num- ber.	Locality.	Length of the period.	Act- ual aver- age daily earn- ings.	Actual condition for period.				Condition if work- men had continu- ous employment.		
				Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.	Conse- quent average earnings per employé.
					Total.	Aver- age.	Total.	Aver- age.		
—	United States.....	1 year...	(a)	625	(a)	(a)	\$85,571	\$137	(a)	(a)
—	do.....	1 year...	(a)	(b)	(a)	(a)	218,589	(b)	(a)	(a)
—	do.....	1 year...	(a)	368	(a)	(a)	65,231	177	(a)	(a)
—	do.....	1 year...	\$1.91½	1,371	138,225	101	264,865	193	441.20	\$600
—	do.....	1 year...	2.42	602	86,027	143	208,253	346	291.58	714
—	do.....	1 year...	(a)	(b)	(a)	(a)	291,077	(b)	(a)	(a)
—	do.....	1 year...	1.92	461	58,578	127	112,447	244	187.28	601
—	do.....	6½ mos.	(a)	331	(a)	(a)	64,872	196	(a)	(a)
—	do.....	6 months	1.86½	554	24,611	44	45,860	83	158.78	289
—	Continent of Europe	1 year...	.71	829	169,249	204	119,812	145	540.70	222
—	do.....	1 year...	.56½	842	196,304	233	110,848	132	627.12	177
—	do.....	3 months	.53½	802	40,639	51	21,800	27	441.76	49
—	do.....	3 months	.95	153	9,162	60	8,689	57	114.80	76
—	do.....	3 months	.83	92	5,940	65	4,933	54	77.14	64
—	Great Britain.....	6 months	(a)	(b)	(a)	(a)	66,433	(b)	(a)	(a)
—	do.....	2 months	(a)	(b)	(a)	(a)	30,593	(b)	(a)	(a)
—	do.....	8 weeks.	(a)	873	(a)	(a)	23,100	27	(a)	(a)

a Some employés were paid by the quantity, hence the daily rate of pay and days of work done cannot be given.

b Number of employés in a few occupations not given.

## J.—BITUMINOUS COAL.

26	United States.....	1 year...	\$1.84½	173	11,607	67	a \$21,434	\$124	37.08	\$578
55	do.....	1 year...	(b)	205	(b)	(b)	c 20,083	98	(b)	(b)
96	do.....	1 year...	(b)	507	(b)	(b)	d 63,948	126	(b)	(b)
107	do.....	1 year...	(b)	310	(b)	(b)	e 38,617	125	(b)	(b)
109	do.....	1 year...	(b)	628	(b)	(b)	f 128,714	205	(b)	(b)
—	do.....	1 year...	(b)	286	(b)	(b)	70,602	247	(b)	(b)
—	do.....	1 year...	2.03	445	40,412	91	82,058	184	128.81	637
—	do.....	1 year...	(b)	639	(b)	(b)	112,838	177	(b)	(b)
—	do.....	1 year...	(b)	1,660	(b)	(b)	158,985	96	(b)	(b)
18	do.....	6 months	(b)	213	(b)	(b)	g 38,890	183	(b)	(b)
148	Dominion of Canada	1 year...	1.39	326	67,281	206	93,582	287	213.53	438
156	Continent of Europe	3 months	.81	472	20,822	44	h 16,844	36	270.40	62
—	do.....	2 months	.82	78	3,192	41	i 2,614	34	61.38	43
170	Great Britain.....	3 months	(b)	771	(b)	(b)	j 59,194	77	(b)	(b)

a In addition \$148 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 209.

b Some employés were paid by the quantity, hence the daily rate of pay and days of work done cannot be given.

c In addition \$1,004 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 209.

d In addition \$4,507 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 210.

e In addition \$1,716 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 210.

f In addition \$2,784 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 210.

g In addition \$434 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 210.

h In addition \$508 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 211.

i The earnings here shown are for only a part of the employés, but they are thought to be fairly representative.

j The earnings here shown are for three months only. The statement for this establishment on page 11 is for six months.



TABLE XIV.—SUMMARY OF ACTUAL AND THEORETICAL TIME AND EARNINGS BY INDUSTRIES—Concluded.

[In the preceding table the working days in the period are shown for each occupation, but here only the length of the period for the establishment as a whole. The actual daily earnings, or daily rate nearest to average daily earnings of Table XII here, of course, becomes actual average daily earnings, as it is the quotient of the total earnings divided by the total days of work done in each establishment.]

## K.—COKE.

Es- tab- lish- ment num- ber.	Locality.	Length of the period.	Act- ual aver- age daily earn- ings.	Actual condition for period.				Condition if work- men had continu- ous employment.	
				Dif- ferent em- ploy- és.	Days of work done.		Earnings.		Neces- sary em- ployés.
					Total.	Aver- age.	Total.	Aver- age.	
13	United States.....	1 year...	\$1.76	307	29,729	97	\$52,338	\$170	95.01
19	do .....	1 year...	1.72½	154	18,124	118	a 31,249	203	57.90
23	do .....	1 year...	1.23½	163	13,867	85	17,105	105	44.15
28	do .....	1 year...	1.39½	162	7,038	43	9,808	61	22.47
29	do .....	1 year...	1.24½	37	7,867	213	9,788	265	21.70
6	do .....	3 months	1.38½	234	5,803	25	b 8,032	34	63.19
—	Continent of Europe	1 year...	.47½	57	9,191	161	4,354	76	25.20

a In addition \$3,522 was paid to outside persons for labor done under contract, which is included in the statement for this establishment on page 236.

b The earnings here shown are for three months only. The statement for this establishment on page 236 is for one year.

## L.—IRON ORE.

1	United States.....	1 year	(a)	(b)	(a)	(a)	\$51,935	(b)	(a)	
12	do .....	1 year	\$2.07½	265	32,313	122	66,984	\$253	103.25	\$649
41	do .....	1 year	1.13½	181	20,526	113	23,337	129	65.10	358
42	do .....	1 year	1.31	640	105,551	165	c 138,491	216	335.61	413
43	do .....	1 year	1.31½	262	20,710	79	d 27,278	104	66.17	412
45	do .....	1 year	1.60	276	32,993	120	e 52,822	191	105.43	501
46	do .....	1 year	1.47	268	48,909	182	f 72,018	269	156.10	461
48	do .....	1 year	1.30	65	5,805	89	g 7,556	116	18.56	407
51	do .....	1 year	1.33	110	11,088	101	h 14,749	134	35.42	416
56	do .....	1 year	1.30	42	4,578	109	i 5,955	142	14.13	421
59	do .....	1 year	1.03½	65	7,761	119	j 8,032	124	24.83	324
69	do .....	1 year	1.11½	183	15,570	85	17,322	95	49.74	348
72	do .....	1 year	1.95	784	71,286	91	k 138,926	177	227.65	610
44	do .....	8½ mos.	1.30	38	6,490	171	8,428	222	29.91	282
61	do .....	6 months	1.15	45	2,746	61	l 3,152	70	17.71	178
64	do .....	6 months	.88½	55	4,106	75	m 3,551	65	26.33	135
76	Continent of Europe	1 year	.83	14	4,141	296	n 3,446	246	13.23	260
77	do .....	1 year	.94	18	1,345	75	o 1,267	70	4.29	295
80	do .....	6 months	70½	202	28,557	141	20,126	100	180.75	111

a Some employés were paid by the quantity, hence the daily rate of pay and days of work done cannot be given.

b Number of employés in a few occupations not given.

c In addition \$1,004 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 594.

d In addition \$1,503 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 594.

e In addition 21 or more contractors were employed, each of whom agreed to get out ore on cars at \$1.10 per ton, and was credited at the end of each month with the tonnage mined. His men were paid each month by the company and their wages are included in the above. The wages so paid were deducted from the contractor's gross earnings and the remainder was paid to him as his profit. These profits, not appearing here, are included, of course, in the statement for this establishment on page 252.

f Includes \$1,227 expended for labor on permanent improvements, which could not be eliminated from the different occupations given above.

g The earnings here shown are for one mine only. The statement for this establishment on page 252 is for two mines.

h The earnings here shown are for one year. The statements for this establishment on pages 252 and 595 are for nine months only.

i In addition \$433 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 595.

j In addition \$1,137 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 595.

k In addition \$1,275 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 253 and 596.

l In addition \$46 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 595.

m In addition \$102 was paid to outside persons for labor done under contract, which is included in the statements for this establishment on pages 252 and 596.

n The earnings here shown are for only a part of the employés, while the statement for this establishment on page 253 is for the entire number.

o The earnings here shown are for six months. The statement for this establishment on page 253 is for three months only.





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## THE EFFICIENCY OF LABOR.

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## THE EFFICIENCY OF LABOR.

The remaining portion of Part II is devoted to the subject of the efficiency of labor. The following statement shows the number of establishments represented in the tabulations :

NUMBER OF ESTABLISHMENTS TABULATED IN EFFICIENCY OF LABOR.

Industry and locality.	Estab- lish- ments tabu- lated.
<b>PIG IRON:</b>	
Northern district of the United States .....	55
Southern district of the United States .....	21
Continent of Europe .....	5
Great Britain .....	3
Total.....	84
<b>MUCK BAR IRON:</b>	
United States .....	18
Continent of Europe.....	1
Great Britain.....	3
Total.....	22
<b>STEEL INGOTS:</b>	
United States.....	7
Continent of Europe.....	3
Great Britain.....	2
Total.....	12
<b>STEEL RAILS:</b>	
United States.....	2
Continent of Europe.....	5
Great Britain .....	1
Total.....	8
<b>IRON ORE:</b>	
United States.....	12
All industries.....	138

The titles of the tables and sub-tables relating to the efficiency of labor are as follows :

TABLE XV.—*The Efficiency of Labor, by Establishments.*

- A.—Pig iron.
- B.—Muck bar iron.
- C.—Steel rails.
- D.—Iron ore.

TABLE XVI.—*The Efficiency of Labor, by Occupations.*

- A.—Pig iron.
- B.—Muck bar iron.
- C.—Steel rails.
- D.—Iron ore.

TABLE XVII.—*Summary of the Efficiency of Labor, by Industries.*

TABLE XVIII.—*The Efficiency of Labor, by Industries (Additional Establishments).*

- A.—Pig iron.
- B.—Muck bar iron.
- C.—Steel ingots.
- D.—Steel rails.

Table XV, The Efficiency of Labor, by Establishments, is the basis of our work on the efficiency of labor. The term efficiency of labor is but another expression for the cost in labor consumption of producing a unit, like a ton of pig iron, that is, the time cost of production. In Part I cost of production was shown as consisting of the expenses of production, and the labor cost was the cost in wages paid labor. The tables in Part I also, especially the analytical tables connected with the text, disclosed, for the few establishments subject to complete analysis, the economic cost so far as the consumption or destruction of material itself is concerned; as, for instance, in the first analytical table, entitled "Cost of direct labor, etc., in one ton of pig iron," northern district of the United States (see page 77), it is seen that 5,810 pounds of iron ore, 4,528 pounds of limestone, and 6,797 pounds of bituminous coal were consumed—that is, destroyed as the materials named—in order to secure the production of one ton of pig iron, and that the consumption of labor for the production of such ton of pig iron amounted to \$9.446. If we turn to Table XV, we shall find that in the first establishment given there, which happens to be establishment number 41 for pig iron, it cost 133,632 hours to produce 8,296 tons of pig metal. This means a production of .062 of a ton per hour, and a consequent consumption of time per ton, or an absolute destruction of labor, to the amount of 16.11 hours. This is in the northern district of the United States. Table XVII, a summary of Table XV, shows the totals for such establishments as this element can be applied to. The range is some what great, but the conditions under which pig iron is produced will usually show as great a range. It should be remembered in this connection that the efficiency as shown by the time consumption necessary for the production of a ton of iron is affected by many conditions surrounding production, as already stated; for illustration, the relative capacity of a furnace may be noted. The efficiency in a works having a furnace of 100 tons capacity would be one thing in the consumption of time, as well as cost, and the efficiency of the same force employed in the same works, when the 100-ton furnace is turning out but 60 tons, would be quite another. So other conditions come in to create or account for the range of time consumption per ton, as shown in the table.

The desire of the Department (and to this end its best efforts have been put forth) was to secure like information for different parts of the United States, Great Britain, and the continent of Europe, that the efficiency of labor or the time cost of production might be brought into comparison for such localities. Only partial success, however, was attained.

It may be well to describe more particularly than the table itself would indicate the exact use of Table XV, and this explanation applies equally well to Tables XVI and XVII. In looking at sub-table A, Table XV, relating to pig iron, we find the occupations of the establishment number 41, the first establishment given in the table, the hours of work

done for each occupation, the average earnings per hour, the average product per hour in tons, the consequent labor cost per ton in money, and the consequent labor cost per ton in time. The only column in this table which needs particular explanation is that headed average product per hour. To understand this column it needs only to be said that the total product of the establishment is credited to each occupation; that is to say, there were two carpenters necessary for the proper administration of the work of establishment 41. The total product of the establishment for the period covered was 8,296 tons. The two carpenters employed, therefore, contributed their labor to the whole product, and the two carpenters, worked 2,000 hours; that is, 2,000 hours of carpenter work was necessary to enable the establishment to produce 8,296 tons of pig metal; therefore the average product for carpenters per hour is the quotient of the total number of tons produced, divided by 2,000, the total number of hours of work done by carpenters. This process applies to all other occupations, and is the proper method of ascertaining the part contributed by each occupation in securing the total product.

The imperfections and lack of uniformity in the terms used for occupations on the various payrolls of establishments have interfered somewhat with making Table XV as valuable in its details as, theoretically, it should be. For instance, if in every blast furnace all persons who performed any work as fillers were carried on the rolls under a uniform designation, we should learn from the fourth column of the table (average tons of product per hour for one man) the relative economy or waste in that branch of labor in the different establishments, an important and interesting piece of knowledge; but one payroll reports only fillers, another bottom fillers and top fillers, another coke fillers, ore fillers, and top fillers, while, with regard to any of them, there is some uncertainty whether this labor may not have been contributed to by persons carried on the rolls under a term wholly unsuggestive of such work. An attempt has been made to limit the effect of this imperfectness and lack of uniformity in terms by grouping together occupations alike or closely allied in nature, and showing the results simply for these groups. And however lacking the data may have been for the full accomplishment of what was desired, it is believed that a comparison of the details as set forth in the tables will prove highly instructive, especially to those engaged in the active work of production. Of course, what is here said as to the effect of these limitations applies to the single occupations and groups of occupations—to the details, in other words—for the results for each establishment as a whole must be accepted as exact and strictly comparable with every other, since they cover all employes concerned in production, the actual earnings paid them, the quantity of product, and the hours of work performed to produce that product.

It has been possible to deal in the complete way desirable, as exhib-



ited in Tables XV, XVI, and XVII, with but a small number of all the establishments for which cost of production and wages are shown. This is because in the others one or another of the conditions necessary was lacking. The most frequent difficulty was the impossibility of finding out the time of the piece workers—the hours per day and the days of work done of those who are hired and paid by the quantity of work turned out and not by the day, week, or month. This point is more particularly adverted to in the remarks preliminary to Tables XII to XIV, relating to the time and earnings of employés. While, on the plan attempted, the office was thus limited as to the number of establishments it could include, with absolute, positive data for a basis, many others were found which, by admitting some small amount of supposition or estimate, became susceptible of treatment. These are presented by themselves in Table XVIII. Only the average earnings and product per man per hour are shown in Table XVIII for reasons which will be apparent from what follows. Keeping in mind what has just been said as to the absolute completeness of the data for determining efficiency for establishments as a whole in Tables XV and XVII, the relative adequacy of the basis used in Table XVIII can be determined from the following statement:

The points furnished were these—

1. A statement by the establishment of the daily hours of labor in each occupation.
2. A statement by the establishment of the average number of workmen in each occupation through the period.
3. A statement by the establishment of the rate of pay (when all work at one rate), or the average rate of pay (when they work at different rates) of those paid by the hour, day, or week in each occupation through the period.
4. A statement by the establishment of the average earnings per week on full time of those paid by the quantity (piece workers).

In addition, of course, there were the total tons of product and total wages paid during the period, absolute figures from the books of firms, which had been used in determining the labor cost in one ton.

Of the statements noted above it may be said that data relating to them were carefully prepared by the agents of the Department during consultation with the officials of the various establishments, but, necessarily, some of the figures depend in considerable measure upon the judgment of these officials. The statement for number 1 may be considered as practically exact, and nearly as much may be said of those for number 3. Of numbers 2 and 4 it may be said that in cases where a copy of the payroll was secured and a tabulation made from it by which these could be tested, considerable variation was occasionally found as to the total amount of wages for the whole period derivable from the data, though but very little as to daily rates, showing that the number of men was inexact; perhaps because a correct allow-



ance had not been made for the effect of partial or complete shut-downs on the number persistently necessary. It is much more difficult than it seems for a manufacturer to tell how many workmen of each occupation and grade of occupation he keeps steadily at work for a year, and his opinion may differ quite a little from the results of a mathematical test as to their average earnings per week for a long period, though they be quite correct for a week.

The process of handling these data to determine efficiency was as follows: The wages of the entire force for a single week was first computed, and was then divided by the number of hours of work done, giving the average wages per workman per hour; this was then divided by the labor cost per ton as previously worked out for the tables on cost of production, the quotient, of course, being the desired result—average tons of product per man per hour. If the average rate of wages per workman per hour as derived above be correct, the final result sought must be correct, and this average rate will be correct if such rates as are reported exist, and if the proportion between the workmen at the different rates be maintained, whether the number in each occupation be true or not. Now it would seem impossible that there should be any serious error in this proportion; for whether, as an illustration, there be 25 fillers and 5 cindermen, or 26 fillers and 4 cindermen in a blast furnace, is of too little moment to injure the average rate per man per hour for the whole establishment. It must be presumed that this proportion at least approximates closely to the truth. It may be held, therefore, that the results shown in Table XVIII are substantially true and comparable with themselves and with those of Table XVII. Their strong agreement with the latter, which are based on absolutely full data, is additional corroboration.

An examination of these efficiency tables discloses much interesting variation, only a little of which can be noted. Passing by the first of these and taking Table XVI, in which occupations are brought together, we notice constantly the high amount of product per man per hour in some cases and the very low product in others. The following condensation shows this range:

## RANGE OF EFFICIENCY.

## PIG IRON.

Work of—	Tons per man per hour.			
	Northern district of the United States.		Southern district of the United States.	
	From—	To—	From—	To—
Blacksmiths .....	4.882	10.294	3.087	5.317
Carpenters.....	3.097	11.292	9.831	10.098
Engineers.....	1.186	2.583	1.380	3.842
Fillers.....	.248	.389	.260	.318
Keepers.....	.392	2.070	1.171	4.034
Machinists.....	2.834	3.137	8.995	10.089
Moulders.....	1.018	6.108	1.929	10.237
Other labor.....	.088	.210	.108	.181

## RANGE OF EFFICIENCY--Concluded.

## MUCK BAR IRON IN THE UNITED STATES.

Work of—	Tons per man per hour.	
	From—	To—
Blacksmiths .....	2.145	2.371
Catchers .....	1.668	2.251
Drag-outs .....	1.493	1.717
Engineers .....	1.005	3.760
Hookers-up .....	1.717	3.331
Machinists .....	4.846	25.139
Masons .....	1.688	1.702
Puddlers .....	.035	.135
Rollers .....	.572	3.331
Roughers .....	1.264	3.331
Other labor .....	.051	.167

## IRON ORE IN THE UNITED STATES.

Blacksmiths .....	2.368	23.321
Carpenters .....	1.169	61.405
Engineers .....	.691	15.075
Mine bosses .....	.945	34.720
Miners .....	.051	.662
Timbermen .....	2.602	139.775
Other labor .....	.103	2.345

By reference to the average earnings it is seen that, so far as individual occupations are concerned, this wide range of efficiency cannot in any apparent degree be attributed to high or low wages. To whatever extent a low wage carries with it an accentuated low efficiency, it is manifest that it is here interfered with by some more potent factor. Without doubt that factor is the small amount of labor of one particular kind with which one establishment is run as compared with another. This may be especially the case in occupations in which the labor is of a general nature rather than special to the industry. For instance, if we compare establishments 42 and 67 with reference to blacksmiths and carpenters, we see this illustrated. Each concern produces about the same number of tons, but the efficiency for each of these occupations in number 67 is about twice that in 42, while the rate of pay is higher in the latter. The explanation lies in the larger number of hours of work done in number 42, this establishment having 6,020 hours chargeable to blacksmiths and 4,960 to carpenters, while number 67 has 3,170 and 2,890 respectively. If these two establishments be followed through engineers, fillers, keepers, and other labor, the same relative economy in time in number 67 appears. So that we may conclude that relatively this establishment has discovered and is applying in each occupation the smallest amount of labor necessary to the end to be accomplished, while 42 is using labor wastefully. Presumably, the means and conveniences at hand for utilizing labor with little loss of power are correspondingly greater in 67, as it cannot be supposed that nearly twice as much is accomplished unless this is the case.

We come now to Tables XVII and XVIII, in which establishments as a whole are dealt with. It is likely, as a general feature, that in estab-

lishments where high wages are paid the appliances of production are of the best, and from this that high wages and high efficiency would usually go together. In the few occupations just considered we were not able to discover this, but considering the tables now before us it becomes quite apparent. The following condensed statements, drawn from both, facilitate the examination on this point:

## COMPARISON OF EFFICIENCY OF LABOR.

[The true average earnings per man per hour for the several establishments combined into groups below, which would take note of the number of men in each establishment, does not seem to be what is required for the comparative purposes of this table, but rather the simple average arrived at by adding the averages shown in the main tables of those combined into a group and dividing by the number in the group. Therefore the latter is what is used, and no value must be ascribed to them beyond what is here indicated.]

## PIG IRON.

Average tons of product per man per hour.	Northern district of the United States.		Southern district of the United States.		Continent of Europe.		Great Britain.	
	Estab-lish-ments.	Average earnings per man per hour.	Estab-lish-ments.	Average earnings per man per hour.	Estab-lish-ments.	Average earnings per man per hour.	Estab-lish-ments.	Average earnings per man per hour.
Under .05.....			1	\$0.115				
.05 and under .06...	1	\$0.111	1	.105				
.06 and under .07...	6	.123	2	.129	1	\$0.051		
.07 and under .08...	5	.128	10	.118	2	.051	1	\$0.053
.08 and under .09...	8	.141	3	.116	1	.059		
.09 and under .10...	9	.142	2	.114				
.10 and under .11...	9	.145			1	.045		
.11 and under .12...	8	.151						
.12 and under .13...	4	.166	1	.121			1	.090
.13 and under .14...	3	.155					1	.100
.14 and under .15...								
.15 and under .16...	1	.148	1	.121				
.16 and under .17...	1	.187						
Total.....	55		21		5		3	

## MUCK BAR IRON.

Average tons of product per man per hour.	United States.		Continent of Europe.		Great Britain.	
	Estab-lish-ments.	Average earnings per man per hour.	Estab-lish-ments.	Average earnings per man per hour.	Estab-lish-ments.	Average earnings per man per hour.
Under .03.....	6	\$0.204				
.03 and under .035.....	5	.232			1	\$0.116
.035 and under .04.....	7	.250	1	\$0.068	1	.105
.04 and under .045.....					1	.137
Total.....	18		1		3	

## STEEL INGOTS.

Under .06.....	a, b 1	\$0.174	c 1	\$0.057		
.06 and under .07.....			d 1	.063	c 1	.109
.07 and under .08.....	e 1	.127				
.08 and under .09.....						
.09 and under .10.....						
.10 and under .11.....	e 2	.191				
.11 and under .12.....						
.12 and under .13.....	e 3	.202	e 1	.055	c 1	.202
Total.....	7		3		2	

a Single turn furnace.

b Steel made by open hearth process.

c Steel made by Siemens-Martin process.

d Steel made by Thomas process.

e Steel made by Bessemer process.



## COMPARISON OF EFFICIENCY OF LABOR—Concluded.

## STEEL RAILS.

Average tons of product per man per hour.	United States.		Continent of Europe.		Great Britain.	
	Estab-lish-ments.	Average earnings per man per hour.	Estab-lish-ments.	Average earnings per man per hour.	Estab-lish-ments.	Average earnings per man per hour.
Under .02.....			1	\$0.093		
.02 and under .03.....			1	.049		
.03 and under .04.....			1	.003		
.04 and under .05.....						
.05 and under .06.....			2	.058		
.06 and under .07.....						
.07 and under .08.....						
.08 and under .09.....					1	\$0.121
.09 and under .10.....						
.10 and under .11.....						
.11 and under .12.....						
.12 and under .13.....	2	\$0.179				
Total.....	2		5		1	

The preceding tables also show quite clearly the variation in efficiency between different localities. In pig iron in the northern district of the United States forty-three of the fifty-five establishments have an efficiency of .08 of a ton or more, one ranging as high as .16 and under .17, thirty-four being concentrated in the four groups that begin with .08 and end under .12; while in the southern district of the United States fourteen of the twenty-one have an efficiency under .08, and of the seven above this figure five are under .10. In the northern district for those of .08 and above, the average earnings per man per hour ranges from 14.1 cents to 18.7, increasing quite generally with the increase of efficiency, while those below .08 have earnings from 11.1 cents to 12.8. In the southern district the tendency of efficiency and earnings to move together is not so marked, though the two most efficient have earnings above the average. In Great Britain three establishments are given, two of which have a high efficiency, both being between .12 and .14 tons and accompanied by earnings of 9 and 10 cents, while the remaining one, with an efficiency between .07 and .08 tons, has earnings of but 5.8 cents. The five establishments for the continent of Europe have an efficiency rather lower than the northern district of the United States, agreeing, perhaps, more nearly with the southern. No connection between efficiency and earnings is traceable in them. In muck bar iron the United States, Great Britain, and the continent of Europe are about on a par as to efficiency, though the number of establishments from the foreign countries is too few for an emphatic conclusion. The connection with earnings is here readily apparent. In steel ingots five of the seven United States establishments have an efficiency between .10 and .13 tons, three being in the group of .12 and under .13, the same position as is occupied by one of the two for Great Britain and one of the three for the continent of Europe.



The remaining three for the foreign countries stand very low in the scale, being under .07 tons, a position occupied by only one of the seven United States establishments. High earnings are here also generally found with high efficiency. For steel rails the United States is represented by two concerns, the continent of Europe by five, and Great Britain by one. The difference in efficiency here is very marked. The two for the United States have an efficiency equal to between .12 and .13 tons of product per man per hour, and the five for the continent of Europe all fall under .06 tons, ranging down even to under .02 tons, while the single establishment for Great Britain shows an efficiency of between .08 and .09 of a ton. No connection between high productive power and high wages is apparent.

The tables giving details for the efficiency of labor, as already described, immediately follow:

TABLE XV.—THE EFFICIENCY OF LABOR, BY ESTABLISHMENTS.

[Table XV is the basis of the two that follow. The tons of product are here apportioned successively to the work in the several classes of occupations. The results for one occupation are not comparable with those for another but only with the results for the same occupation in another establishment. Table XVI groups like occupations to facilitate such comparison. The results for establishments as a whole are comparable with each other, and for convenience of comparison are brought together in Table XVII. In Table XVIII results for some additional establishments are shown. The establishment numbers refer to the cost of production presentation, Tables I to XI.]

A.—PIG IRON.

Establishment No. 41, northern district of the United States. Total production, 8,296 tons.

Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
		Hours of work done.	Average earnings per hour.	Average product per hour (tons).	Money.	Time (hours).
Carpenters .....	10	2,000	\$0.186	4.148	\$0.045	.24
Engineers .....	12	4,008	.167	2.070	.081	.48
Fillers; fillers, top .....	12	21,312	.127	.389	.327	2.57
Keepers .....	12	4,008	.154	2.070	.074	.48
Moulders; moulders' helpers .....	12	8,148	.131	1.018	.129	.69
Other labor .....	10 and 12	94,156	.124	.088	1.413	11.35
The establishment .....	.....	133,632	.128	.062	2.069	16.11

Establishment No. 42, northern district of the United States. Total production, 29,390 tons.

Blacksmiths; blacksmiths' helpers .....	10	6,020	\$0.211	4.882	\$0.043	.21
Carpenters .....	10	4,960	.233	5.925	.040	.17
Engineers, furnace; engineers, locomotive .....	12	17,940	.154	1.638	.094	.61
Fillers; fillers, bottom; fillers, top .....	12	92,364	.127	.318	.398	3.14
Keepers; helpers .....	12	39,348	.141	.747	.180	1.34
Machinists; machinists' helpers .....	10	10,370	.164	2.834	.058	.35
Moulders .....	12	4,812	.141	6.108	.023	.16
Other labor .....	8½, 10, 12	247,631	.135	.119	1.138	8.43
The establishment .....	.....	423,445	.138	.069	1.933	14.41

TABLE XV.—THE EFFICIENCY OF LABOR, BY ESTABLISHMENTS—Continued.

## A.—PIG IRON—Continued.

Establishment No. 67, northern district of the United States. Total production, 32,633 tons.

Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
		Hours of work done.	Average earnings per hour.	Average product per hour (tons).	Money.	Time (hours).
Blacksmiths .....	10	3,170	\$0.190	10.294	\$0.018	.10
Carpenters .....	10	2,890	.160	11.292	.014	.09
Engineers, furnace; engineers, hoist; engineers, locomotive.	12	12,636	.205	2.583	.079	.39
Fillers .....	12	85,104	.135	.383	.352	2.61
Keepers; helpers .....	12	31,728	.149	1.029	.145	.97
Other labor .....	10 and 12	155,454	.139	.210	.660	4.76
The establishment .....		290,982	.142	.112	1.268	8.92

Establishment No. 83, northern district of the United States. Total production, 2,447 tons.

Carpenters .....	10	790	\$0.175	3.097	\$0.057	.32
Engineers .....	12	2,064	.139	1.186	.117	.85
Fillers, coke; fillers, ore; fillers, top ..	12	9,864	.115	.248	.464	4.03
Keepers; helpers .....	12	6,210	.133	.392	.338	2.55
Machinists .....	10	780	.165	3.137	.053	.32
Other labor .....	10 and 12	16,374	.144	.149	.961	6.69
The establishment .....		36,112	.135	.068	1.990	14.76

Establishment No. 103, southern district of the United States. Total production, 34,506 tons.

Blacksmiths; blacksmiths' helpers .....	10	6,490	\$0.149	5.317	\$0.028	.19
Carpenters .....	10	3,510	.150	9.831	.015	.10
Engineers; engineers, dinkey; engineers, locomotive.	10	21,230	.180	1.625	.111	.61
Fillers; fillers, bottom; fillers, top; cagemen; stockers.	12	130,500	.101	.264	.382	3.78
Keepers; helpers .....	12	18,228	.131	1.893	.069	.53
Machinists .....	10	3,420	.299	10.089	.030	.10
Moulders .....	12	17,892	.146	1.929	.076	.52
Other labor .....	10 and 12	190,184	.118	.181	.648	5.51
The establishment .....		391,454	.120	.088	1.359	11.34

Establishment No. 109, southern district of the United States. Total production, 32,921 tons.

Blacksmiths; blacksmiths' helpers .....	10	8,910	\$0.158	3.695	\$0.043	.27
Carpenters .....	10	3,260	.202	10.098	.020	.10
Engineers .....	12	8,568	.154	3.842	.040	.26
Fillers; fillers, bottom; fillers, top; cagemen.	12	103,404	.096	.318	.302	3.14
Keepers .....	12	8,160	.167	4.034	.041	.25
Machinists .....	10	3,660	.279	8.995	.031	.11
Moulders .....	12	3,216	.129	10.237	.013	.10
Other labor .....	10 and 12	305,044	.106	.108	.986	9.26
The establishment .....		444,222	.109	.074	1.476	13.49

TABLE XV.—THE EFFICIENCY OF LABOR, BY ESTABLISHMENTS—Continued.

## A.—PIG IRON—Concluded.

Establishment No. 114, southern district of the United States. Total production, 11,855 tons.

Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
		Hours of work done.	Average earnings per hour.	Average product per hour (tons).	Money.	Time (hours).
Blacksmiths .....	12	3,840	\$0.127	3.087	\$0.041	.32
Engineers .....	12	8,592	.146	1.380	.106	.73
Fillers, bottom; fillers, top; cagemen ..	12	45,564	.098	.260	.377	3.84
Keepers; keepers' helpers .....	12	10,128	.105	1.171	.090	.85
Other labor .....	12	84,696	.098	.140	.697	7.15
The establishment .....	.....	152,820	.102	.078	1.311	12.89

## B.—MUCK BAR IRON.

Establishment No. 9, United States. Total production, 7,657 tons.

Blacksmiths; blacksmiths' helpers .....	10	3,230	\$0.176	2.371	\$0.074	.42
Catchers .....	10	4,460	.254	1.717	.148	.58
Drag-outs .....	10	4,460	.188	1.717	.109	.58
Engineers .....	12	7,620	.137	1.005	.137	.99
Hookers-up .....	10	4,460	.216	1.717	.126	.58
Machinists .....	10	1,580	.233	4.846	.048	.21
Masons; masons' helpers .....	10	4,500	.415	1.702	.244	.59
Puddlers; puddlers' helpers .....	10	56,550	.304	.135	2.248	7.39
Rollers; rollers' helpers .....	10	13,380	.236	.572	.412	1.75
Other labor .....	10 and 12	150,202	.185	.051	3.622	19.62
The establishment .....	.....	250,442	.219	.031	7.168	32.71

Establishment No. 17, United States. Total production, 9,926 tons.

Catchers .....	10	5,950	\$0.275	1.668	\$0.165	.60
Drag-outs .....	10	5,950	.183	1.668	.110	.60
Engineers; engineers' helpers .....	10	2,640	.343	3.760	.091	.27
Hookers-up .....	10	2,980	.266	3.331	.080	.30
Pndders; puddlers, boss; puddlers' helpers ..	10	199,570	.276	.050	5.541	20.10
Rollers .....	10	2,980	.706	3.331	.212	.30
Roughers .....	10	2,980	.332	3.331	.100	.30
Other labor .....	10	59,530	.143	.167	.856	6.00
The establishment .....	.....	282,580	.251	.035	7.155	28.47

Establishment No. 26, United States. Total production, 9,050 tons.

Blacksmiths; blacksmiths' helpers .....	10	4,220	\$0.181	2.145	\$0.084	.47
Catchers .....	10	4,020	.250	2.251	.111	.44
Drag-outs .....	10	6,060	.175	1.493	.117	.67
Engineers .....	10	4,000	.227	2.263	.101	.44
Hookers-up .....	10	3,900	.175	2.321	.076	.43
Machinists .....	10	360	.228	25.139	.009	.04
Masons; masons' helpers .....	10	5,360	.273	1.633	.162	.59
Puddlers; puddlers' helpers .....	10	256,250	.187	.035	5.289	28.32
Rollers .....	10	4,060	.509	2.229	.224	.45
Roughers; roughers' helpers .....	10	7,160	.207	1.264	.164	.79
Other labor .....	10	54,070	.177	.167	1.056	5.97
The establishment .....	.....	349,460	.191	.026	7.393	38.61



TABLE XV.—THE EFFICIENCY OF LABOR, BY ESTABLISHMENTS—Continued.

## C.—STEEL RAILS.

Establishment No. 13, Great Britain. Total production 2,446 tons (one week's operation).

Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
		Hours of work done.	Average earnings per hour.	Average product per hour (tons).	Money.	Time (hours).
Blacksmiths .....		937	\$0.127	2.610	\$0.049	.38
Carpenters .....		123	.130	19.886	.007	.05
Engineers; engineers, locomotive; engineers, pump; engineers, saw.		2,632	.039	.929	.106	1.08
Firemen .....		1,016	.089	2.407	.037	.41
Heaters .....		4,073	.118	.601	.197	1.66
Machinists .....		2,045	.135	1.196	.113	.84
Rail-bank men .....		12,080	.120	.202	.594	4.94
Rollers; roll changers; roll turners .....		3,120	.152	.784	.194	1.28
Other labor .....		3,816	.115	.641	.180	1.56
The establishment .....		29,842	.121	.082	1.477	12.20

## D.—IRON ORE.

Establishment No. 12, United States. Total production, 69,030 tons.

Blacksmiths .....	10	2,960	\$0.233	23.321	\$0.010	.04
Carpenters .....	10	5,000	.218	13.806	.016	.07
Engineers; foreman, engineers .....	10	10,020	.212	6.889	.031	.14
Mine bosses .....	10	3,130	.479	22.054	.022	.05
Miners; drillers; pit bosses .....	10	156,140	.237	.442	.536	2.26
Timbermen; timbermen, boss .....	10	5,920	.212	11.660	.018	.09
Other labor .....	10	139,960	.166	.493	.337	2.03
The establishment .....		323,130	.207	.214	.970	4.68

Establishment No. 41, United States. Total production, 45,440 tons.

Blacksmiths; blacksmiths' helpers .....	10	4,620	\$0.176	9.835	\$0.018	.10
Carpenters .....	10	740	.192	61.405	.003	.02
Engineers .....	10	11,920	.144	3.812	.038	.26
Mine bosses .....	10	3,000	.200	15.147	.013	.07
Miners .....	10	165,600	.108	.274	.394	3.64
Other labor .....	10	19,380	.113	2.345	.048	.43
The establishment .....		205,260	.114	.221	.514	4.52

Establishment No. 42, United States. Total production, 117,403 tons.

Blacksmiths; blacksmiths' helpers .....	10	36,150	\$0.179	3.248	\$0.055	.31
Carpenters; foremen, carpenters .....	10	12,830	.181	9.151	.020	.11
Engineers; engineers, air compressor; engineers, locomotive; engineers, stationary.	10	39,640	.162	2.962	.055	.34
Miners; drillers; drillers' helpers; foremen, miners.	10	496,710	.138	.236	.584	4.23
Timbermen; timbermen, boss .....	10	8,480	.157	13.845	.011	.07
Other labor .....	10	469,360	.116	.250	.463	4.00
The establishment .....		1,063,170	.131	.110	1.188	9.06

Establishment No. 43, United States. Total production, 40,000 tons.

Blacksmiths .....	10	4,040	\$0.160	9.901	\$0.016	.10
Carpenters .....	10	1,720	.149	23.256	.006	.04
Engineers .....	10	2,790	.153	14.337	.011	.07
Miners; drill boys; pit bosses; strikers; truckmen.	10	180,660	.130	.221	.588	4.52
Other labor .....	10	29,320	.135	1.364	.099	.73
The establishment .....		218,530	.132	.183	.720	5.46

TABLE XV.—THE EFFICIENCY OF LABOR, BY ESTABLISHMENTS—Continued.

## D.—IRON ORE—Continued.

Establishment No. 44, United States. Total production, 2,070 tons.

Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
		Hours of work done.	Average earnings per hour.	Average product per hour (tons).	Money.	Time (hours).
Carpenters.....	10	1,770	\$0.135	1.169	\$0.116	.85
Mine bosses.....	10	2,190	.250	.945	.264	1.06
Miners.....	10	40,750	.125	.051	2.461	19.69
Other labor.....	10	20,190	.126	.103	1.231	9.75
The establishment.....	.....	64,900	.130	.032	\$4.072	31.35

Establishment No. 51, United States. Total production, 8,217 tons.

Blacksmiths.....	10	1,690	\$0.151	4.862	\$0.031	.21
Mine bosses; mine bosses, assistant.....	10	4,880	.156	1.684	.093	.59
Miners; drillers.....	8	19,856	.217	.414	.524	2.42
Timbermen.....	10	1,900	.140	4.325	.033	.23
Other labor.....	10	41,900	.102	.196	.519	5.10
The establishment.....	.....	70,226	.140	.117	1.200	8.55

Establishment No. 56, United States. Total production, 6,050 tons.

Carpenters.....	10	2,890	\$0.119	2.093	\$0.057	.48
Engineers.....	12	8,760	.094	.691	.136	1.45
Mine bosses.....	10	3,650	.263	1.658	.159	.60
Miners; truckmen.....	10	19,810	.124	.305	.405	3.27
Timbermen.....	10	1,630	.125	3.712	.034	.27
Other labor.....	10	13,830	.116	.437	.265	2.29
The establishment.....	.....	50,570	.126	.120	1.056	8.36

Establishment No. 59, United States. Total production, 7,624 tons.

Blacksmiths.....	10	3,220	\$0.121	2.368	\$0.051	.42
Engineers.....	10	7,650	.101	.997	.101	1.00
Miners; truckmen.....	10	44,440	.103	.172	.602	5.83
Timbermen.....	10	2,520	.105	3.025	.035	.33
Other labor.....	10	30,770	.103	.248	.414	4.04
The establishment.....	.....	88,600	.103	.086	1.203	11.62

Establishment No. 61, United States. Total production, 2,810 tons.

Carpenters.....	10	1,440	\$0.126	1.951	\$0.065	.51
Engineers.....	12	3,240	.103	.867	.119	1.15
Miners; truckmen.....	10	17,550	.113	.160	.706	6.25
Timbermen.....	10	1,080	.125	2.602	.048	.39
Other labor.....	10	5,090	.111	.552	.200	1.81
The establishment.....	.....	28,400	.113	.099	1.133	10.11

a The low efficiency and high labor cost per ton are due to the recent opening of the mine,

TABLE XV.—THE EFFICIENCY OF LABOR, BY ESTABLISHMENTS—Concluded.

## D.—IRON ORE—Concluded.

Establishment No. 64, United States. Total production, 3,850 tons.

Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
		Hours of work done.	Average earnings per hour.	Average product per hour (tons).	Money.	Time (hours).
Engineers .....	9½	2, 893	\$0. 122	1. 331	\$0. 092	.75
Mine bosses .....	9½ and 10	3, 283	. 128	1. 173	. 109	.85
Miners .....	9½	30, 559	.087	. 126	.689	7.94
Other labor .....	9½	3, 487	.065	1. 104	.059	.91
The establishment.....	.....	40, 222	.091	.096	.949	10.45

Establishment No. 69, United States. Total production, 33,546 tons.

Blacksmiths .....	10	2, 340	\$0. 156	14. 336	\$0. 011	.07
Carpenters .....	10	1, 780	. 125	18. 846	.007	.05
Engineers .....	10	3, 130	.230	10. 718	.021	.09
Mine bosses .....	10	3, 130	.230	10. 718	.021	.09
Miners .....	10	110, 380	.101	.304	.332	3.29
Timbermen .....	10	240	.154	139. 775	.001	.01
Other labor .....	10	34, 700	.119	.967	.123	1.04
The establishment.....	.....	155, 700	.111	.215	.516	4.64

Establishment No. 72, United States. Total production, 218,738 tons.

Blacksmiths; blacksmiths' helpers .....	10	10, 120	\$0. 208	21. 614	\$0. 010	.05
Carpenters; foremen, carpenters .....	10	17, 660	.208	12. 386	.017	.08
Engineers .....	10	14, 510	.201	15. 075	.013	.07
Mine bosses .....	10	6, 300	.401	34. 720	.012	.03
Miners; drift cutters; drillers; drill boys; drill runners; miners' helpers; mine runners; pit bosses.	10	330, 320	.202	.662	.305	1.51
Timbermen; timbermen, bosses .....	10	15, 940	.220	13. 723	.016	.07
Other labor .....	10	339, 930	.181	.643	.282	1.55
The establishment.....	.....	734, 780	.195	.298	.655	3.36



TABLE XVI.—THE EFFICIENCY OF LABOR, BY OCCUPATIONS.

[For explanation see text and prefatory note to Table XV.]

## A.—PIG IRON.

Establishment number.	Locality.	Total product of the establishment (tons).	Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
					Hours of work done.	Average earnings per hour.	Average product per hour (tons).	Mon-ey.	Time (hrs.).
42	Northern district of the United States.	29,390	Blacksmiths; blacksmiths' helpers.	10	6,020	\$0.211	4.882	\$0.443	.21
67	do	32,633	Blacksmiths	10	3,170	.190	10.294	.018	.10
103	Southern dist., U. S.	34,506	Blacksmiths; blacksmiths' helpers.	10	6,490	.149	5.317	.028	.19
109	do	32,921	Blacksmiths; blacksmiths' helpers.	10	8,910	.158	3.695	.043	.27
114	do	11,855	Blacksmiths	12	3,840	.127	3.087	.041	.32
41	Northern dist., U. S.	8,296	Carpenters	10	2,000	.185	4.148	.045	.24
42	do	29,390	Carpenters	10	4,060	.233	5.9:5	.040	.17
67	do	32,633	Carpenters	10	2,890	.160	11.202	.014	.09
83	do	2,447	Carpenters	10	790	.175	3.097	.057	.32
103	Southern dist., U. S.	34,506	Carpenters	10	3,510	.150	9.831	.015	.10
109	do	32,921	Carpenters	10	3,260	.202	10.093	.020	.10
41	Northern dist., U. S.	8,296	Engineers	12	4,008	.167	2.070	.081	.48
42	do	29,390	Engineers, furnace; engineers, locomotive.	12	17,940	.154	1.638	.094	.61
67	do	32,633	Engineers, furnace; engineers, hoisting; engineers, locomotive.	12	12,630	.205	2.583	.079	.39
83	do	2,447	Engineers	12	2,064	.139	1.186	.117	.35
103	Southern dist., U. S.	34,506	Engineers; engineers, dinky; engineers, locomotive.	10	21,230	.180	1.625	.111	.61
109	do	32,921	Engineers	12	8,568	.154	3.842	.040	.26
114	do	11,855	Engineers	12	8,592	.146	1.380	.106	.73
41	Northern dist., U. S.	8,296	Fillers; fillers, top	12	21,312	.127	.389	.227	2.57
42	do	29,390	Fillers; fillers, bottom; fillers, top.	12	92,364	.127	.318	.398	3.14
67	do	32,633	Fillers	12	85,104	.135	.383	.352	2.61
83	do	2,447	Fillers, coke; fillers, ore; fillers, top.	12	9,804	.115	.248	.464	4.03
103	Southern dist., U. S.	34,506	Fillers; fillers, bottom; fillers, top; cagemen; stockers.	12	130,500	.101	.264	.382	3.78
109	do	32,921	Fillers; fillers, bottom; fillers, top; cagemen.	12	103,404	.096	.318	.302	3.14
114	do	11,855	Fillers, bottom; fillers, top; cagemen.	12	45,564	.098	.260	.377	3.84
41	Northern dist., U. S.	8,296	Keepers	12	4,008	.154	2.070	.074	.48
42	do	29,390	Keepers; helpers	12	30,348	.141	.747	.189	1.34
67	do	32,633	Keepers; helpers	12	31,728	.149	1.029	.145	.97
83	do	2,447	Keepers; helpers	12	6,240	.133	.392	.338	2.55
103	Southern dist., U. S.	34,506	Keepers; helpers	12	18,228	.131	1.893	.069	.53
109	do	32,921	Keepers	12	8,160	.167	4.034	.041	.25
114	do	11,855	Keepers; keepers' helpers.	12	10,128	.105	1.171	.090	.85
42	Northern dist., U. S.	29,390	Machinists; machinists' helpers.	10	10,370	.164	2.834	.058	.35
83	do	2,447	Machinists	10	780	.165	3.137	.053	.32
103	Southern dist., U. S.	34,506	Machinists	10	3,420	.299	10.089	.030	.10
109	do	32,921	Machinists	10	3,060	.279	8.895	.031	.11
41	Northern dist., U. S.	8,296	Moulders; moulders' helpers.	12	8,148	.131	1.018	.129	.99
42	do	29,390	Moulders	12	4,812	.141	6.108	.023	.16
103	Southern dist., U. S.	34,506	Moulders	12	17,892	.146	1.929	.076	.52
109	do	32,921	Moulders	12	3,216	.129	10.237	.013	.10
41	Northern dist., U. S.	8,296	Other labor	10 and 12	94,156	.124	.088	1.413	11.35
42	do	29,390	Other labor	8, 10, 12	247,631	.135	.119	1.138	8.43
67	do	32,633	Other labor	10 and 12	155,454	.139	.210	.660	4.76
83	do	2,447	Other labor	10 and 12	16,374	.144	.149	.961	6.69
103	Southern dist., U. S.	34,506	Other labor	10 and 12	190,184	.118	.181	.648	5.51
109	do	32,921	Other labor	10 and 12	305,044	.106	.108	.986	9.26
114	do	11,855	Other labor	12	84,696	.098	.140	.697	7.15

TABLE XVI.—THE EFFICIENCY OF LABOR, BY OCCUPATIONS--Continued.

[For explanation see text and prefatory note to Table XV.]

**B.—MUCK BAR IRON.**

Es- tab- lish- ment num- ber.	Locality.	Total prod- uct of the estab- lish- ment (tons).	Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
					Hours of work done.	Aver- age earn- ings per hour.	Aver- age prod- uct per hour (tons).	Mon- ey.	Time (hrs).
9	United States.....	7,657	Blacksmiths; black- smiths' helpers.	10	3,230	\$0.176	2.371	\$0.074	.42
26	....do .....	9,050	Blacksmiths; black- smiths' helpers.	10	4,220	.181	2.145	.084	.47
9	....do .....	7,657	Catchers .....	10	4,460	.254	1.717	.148	.58
17	....do .....	9,926	Catchers .....	10	5,950	.275	1.668	.165	.60
26	....do .....	9,050	Catchers .....	10	4,020	.250	2.251	.111	.44
9	....do .....	7,657	Drag-onts .....	10	4,460	.183	1.717	.109	.58
17	....do .....	9,926	Drag-onts .....	10	5,950	.183	1.668	.110	.60
26	....do .....	9,050	Drag-onts .....	10	6,060	.175	1.492	.117	.67
9	....do .....	7,657	Engineers.....	12	7,620	.137	1.005	.137	.99
17	....do .....	9,926	Engineers; engineers' helpers.	10	2,640	.343	3.760	.091	.27
26	....do .....	9,050	Engineers.....	10	4,000	.227	2.263	.101	.44
9	....do .....	7,657	Hookers-up .....	10	4,460	.216	1.717	.126	.58
17	....do .....	9,926	Hookers-up .....	10	2,980	.266	3.331	.080	.30
26	....do .....	9,050	Hookers-up .....	10	3,900	.175	2.321	.076	.43
9	....do .....	7,657	Machinists.....	10	1,580	.233	4.846	.048	.21
26	....do .....	9,050	Machinists.....	10	360	.228	25.139	.009	.04
9	....do .....	7,657	Masons; masons' help- ers.	10	4,500	.415	1.702	.244	.59
26	....do .....	9,050	Masons; masons' help- ers.	10	5,360	.273	1.688	.162	.59
9	....do .....	7,657	Puddlers; puddlers' helpers.	10	56,550	.304	.135	2.248	7.39
17	....do .....	9,926	Puddlers; puddlers, boss; puddlers' help- ers.	10	199,570	.276	.050	5.541	20.10
26	....do .....	9,050	Puddlers; puddlers' helpers.	10	256,250	.187	.035	5.289	28.32
9	....do .....	7,657	Rollers; rollers' help- ers.	10	13,380	.236	.572	.412	1.75
17	....do .....	9,926	Rollers .....	10	2,980	.706	3.331	.212	.30
26	....do .....	9,050	Rollers .....	10	4,060	.500	2.229	.224	.45
17	....do .....	9,926	Roughers .....	10	2,980	.332	3.331	.100	.30
26	....do .....	9,050	Roughers; roughers' helpers.	10	7,160	.207	1.264	.164	.79
9	....do .....	7,657	Other labor.....	10 and 12	150,202	.185	.051	3.622	19.62
17	....do .....	9,926	Other labor.....	10	59,530	.143	.167	.856	6.00
26	....do .....	9,050	Other labor.....	10	54,070	.177	.167	1.056	5.97

**C.—STEEL RAILS.**

[To avoid repetition see page 594 for the single establishment tabulated.]

**D.—IRON ORE.**

12	United States.....	69,030	Blacksmiths .....	10	2,960	\$0.233	23.321	\$0.010	.04
41	....do .....	45,440	Blacksmiths; black- smiths' helpers.	10	4,620	.176	9.835	.018	.10
42	....do .....	117,403	Blacksmiths; black- smiths' helpers.	10	36,150	.179	3.248	.055	.31
43	....do .....	40,000	Blacksmiths .....	10	4,040	.160	9.901	.016	.10
51	....do .....	8,217	Blacksmiths .....	10	1,690	.151	4.862	.031	.21
59	....do .....	7,624	Blacksmiths .....	10	3,220	.121	2.368	.051	.42
69	....do .....	33,546	Blacksmiths .....	10	2,340	.156	14.336	.011	.07
72	....do .....	218,738	Blacksmiths; black- smiths' helpers.	10	10,120	.208	21.614	.010	.05
12	....do .....	69,030	Carpenters.....	10	5,000	.218	13.806	.016	.07
41	....do .....	45,440	Carpenters.....	10	740	.192	61.405	.003	.02
42	....do .....	117,403	Carpenters; foremen, carpenters.	10	12,830	.181	9.151	.020	.11
43	....do .....	40,000	Carpenters.....	10	1,720	.149	23.256	.006	.04
44	....do .....	2,070	Carpenters.....	10	1,770	.135	1.169	.116	.85
56	....do .....	6,050	Carpenters.....	10	2,890	.119	2.093	.057	.48
61	....do .....	2,810	Carpenters.....	10	1,440	.126	1.951	.065	.51
69	....do .....	33,546	Carpenters.....	10	1,780	.125	18.846	.007	.05
72	....do .....	218,738	Carpenters; foremen, carpenters.	10	17,660	.208	12.386	.017	.08

TABLE XVI.—THE EFFICIENCY OF LABOR, BY OCCUPATIONS—Concluded.

[For explanation see test and prefatory note to Table XV.]

## D.—IRON ORE—Concluded.

Es- tab- lish- ment num- ber.	Locality.	Total prod- uct of the estab- lish- ment (tons).	Work of—	Hours in day or turn.	For one man.			Consequent labor cost per ton in—	
					Hours of work done.	Aver- age earn- ings per hour.	Aver- age prod- uct per hour (tons).	Mon- ey.	Time (hrs).
12	United States.....	69,030	Engineers; foremen, engineers.	10	10,020	\$0.212	6.889	\$0.031	.14
41	....do .....	45,440	Engineers.....	10	11,920	.144	3.812	.038	.26
42	....do .....	117,403	Engineers; engineers, air compressor; en- gineers, locomotive; engineers, station- ary.	10	39,640	.162	2.962	.055	.34
43	....do .....	40,000	Engineers.....	10	2,790	.153	14.337	.011	.07
56	....do .....	6,050	Engineers.....	12	8,760	.094	.691	.136	1.45
59	....do .....	7,624	Engineers.....	10	7,650	.101	.997	.101	1.00
61	....do .....	2,810	Engineers.....	12	3,240	.103	.807	.119	1.15
64	....do .....	3,850	Engineers.....	9½	2,893	.122	1.331	.092	.75
69	....do .....	33,546	Engineers.....	10	3,130	.230	10.718	.021	.09
72	....do .....	218,738	Engineers.....	10	14,510	.201	15.075	.013	.07
12	....do .....	69,030	Mine bosses.....	10	3,130	.479	22.054	.022	.05
41	....do .....	45,440	Mine bosses.....	10	3,000	.200	15.147	.013	.07
44	....do .....	2,070	Mine bosses.....	10	2,190	.250	.945	.264	1.06
51	....do .....	8,217	Mine bosses; mine bosses, assistant.	10	4,880	.156	1.684	.093	.59
56	....do .....	6,050	Mine bosses.....	10	3,650	.263	1.658	.159	.60
64	....do .....	3,850	Mine bosses.....	9½ and 10	3,283	.128	1.173	.109	.85
69	....do .....	33,546	Mine bosses.....	10	3,130	.230	10.718	.021	.09
72	....do .....	218,738	Mine bosses.....	10	6,300	.401	34.720	.012	.03
12	....do .....	69,030	Miners; drillers; pit bosses.	10	156,140	.237	.442	.536	2.26
41	....do .....	45,440	Miners.....	10	165,600	.108	.274	.394	3.64
42	....do .....	117,403	Miners; drillers; drill- ers' helpers; fore- men, miners.	10	496,710	.138	.236	.584	4.23
43	....do .....	40,000	Miners; drill boys; pit bosses; strikers; truckmen.	10	180,660	.130	.221	.588	4.52
44	....do .....	2,070	Miners.....	10	40,750	.125	.051	2.461	19.69
51	....do .....	8,217	Miners; drillers.....	8	19,856	.217	.414	.524	2.42
56	....do .....	6,050	Miners; truckmen.....	10	19,810	.124	.305	.405	3.27
59	....do .....	7,624	Miners; truckmen.....	10	44,440	.103	.172	.602	5.83
61	....do .....	2,810	Miners; truckmen.....	10	17,550	.113	.160	.706	6.25
64	....do .....	3,850	Miners.....	9½	30,559	.087	.126	.689	7.94
69	....do .....	33,546	Miners.....	10	110,380	.101	.304	.332	3.29
72	....do .....	218,738	Miners; drift cutters; drillers; drill boys; drill runners; min- ers' helpers; mine runners; pit bosses.	10	330,320	.202	.062	.305	1.61
12	....do .....	69,030	Timbermen; timber- men, boss.	10	5,920	.212	11.660	.018	.09
42	....do .....	117,403	Timbermen; timber- men, boss.	10	8,480	.157	13.845	.011	.07
51	....do .....	8,217	Timbermen.....	10	1,900	.140	4.325	.033	.23
56	....do .....	6,050	Timbermen.....	10	1,630	.125	3.712	.034	.27
59	....do .....	7,624	Timbermen.....	10	2,520	.105	3.025	.035	.33
61	....do .....	2,810	Timbermen.....	10	1,086	.125	2.602	.048	.39
69	....do .....	33,546	Timbermen.....	10	240	.154	139.775	.001	.01
72	....do .....	218,738	Timbermen; timber- men, bosses.	10	15,940	.220	13.723	.016	.07
12	....do .....	69,030	Other labor.....	10	139,960	.166	.493	.337	2.03
41	....do .....	45,440	Other labor.....	10	19,380	.113	2.345	.048	.43
42	....do .....	117,403	Other labor.....	10	469,360	.116	.250	.463	4.00
43	....do .....	40,000	Other labor.....	10	29,320	.135	1.364	.099	.73
44	....do .....	2,070	Other labor.....	10	20,190	.126	.103	1.231	9.75
51	....do .....	8,217	Other labor.....	10	41,900	.192	.196	.519	5.10
56	....do .....	6,050	Other labor.....	10	13,830	.116	.437	.265	2.29
59	....do .....	7,624	Other labor.....	10	30,770	.103	.248	.414	4.04
61	....do .....	2,810	Other labor.....	10	5,090	.111	.552	.200	1.81
64	....do .....	3,850	Other labor.....	9½	3,487	.065	1.104	.059	.91
69	....do .....	33,546	Other labor.....	10	34,700	.119	.967	.123	.04
72	....do .....	218,738	Other labor.....	10	339,930	.181	.643	.282	1.55



TABLE XVII.—SUMMARY OF THE EFFICIENCY OF LABOR, BY INDUSTRIES.

[For explanation see text and prefatory note to Table XV.]

Es- tab- lish- ment num- ber.	Locality.	Total product of the establish- ment (tons).	Industry.	For one man.			Consequent labor cost per ton in—	
				Hours of work done.	Aver- age earn- ings per hour.	Aver- age product per hour (tons).	Money.	Time (hours).
41	Northern district of the United States.	8,296	Pig iron .....	133,632	\$0.128	.062	\$2.069	16.11
42	do .....	29,390	Pig iron .....	423,445	.138	.069	1.983	14.41
67	do .....	32,633	Pig iron .....	290,982	.142	.112	1.268	8.92
83	do .....	2,447	Pig iron .....	36,112	.135	.068	1.990	14.76
103	Southern district of the United States.	34,506	Pig iron .....	391,454	.120	.088	1.359	11.34
109	do .....	32,921	Pig iron .....	444,222	.109	.074	1.476	13.49
114	do .....	11,855	Pig iron .....	152,820	.102	.078	1.311	12.89
9	United States .....	7,657	Muck bar iron .....	250,442	.219	.031	7.168	32.71
17	do .....	9,926	Muck bar iron .....	282,580	.251	.035	7.155	28.47
26	do .....	9,050	Muck bar iron .....	349,460	.191	.026	7.393	38.61
13	Great Britain .....	2,446	Steel rails .....	29,842	.121	.082	1.477	12.20
12	United States .....	69,030	Iron ore .....	323,130	.207	.214	.970	4.68
41	do .....	45,440	Iron ore .....	205,260	.114	.221	.514	4.52
42	do .....	117,403	Iron ore .....	1,063,170	.131	.110	1.188	9.06
43	do .....	40,000	Iron ore .....	218,530	.132	.183	.720	5.46
44	do .....	2,070	Iron ore .....	64,900	.130	a .032	a 4.072	a 31.35
51	do .....	8,217	Iron ore .....	70,226	.140	.117	1.200	8.55
56	do .....	6,050	Iron ore .....	50,570	.126	.120	1.056	8.36
59	do .....	7,624	Iron ore .....	88,600	.103	.086	1.203	11.62
61	do .....	2,810	Iron ore .....	28,400	.113	.099	1.138	10.11
64	do .....	3,850	Iron ore .....	40,222	.091	.096	.949	10.45
69	do .....	33,546	Iron ore .....	155,700	.111	.215	.516	4.64
72	do .....	218,738	Iron ore .....	734,780	.195	.298	.655	3.36

a The low efficiency and high labor cost are due to the recent opening of the mine.

TABLE XVIII.—THE EFFICIENCY OF LABOR, BY INDUSTRIES.

[These establishments are additional to those shown in Table XV and summarized in XVI and XVII.  
For explanation see text and prefatory note to Table XV.]

## A.—PIG IRON.

Es- tab- lish- ment num- ber.	Locality.	For one man.		Es- tab- lish- ment num- ber.	Locality.	For one man.	
		Average earnings per hour.	Average product per hour (tons).			Average earnings per hour.	Average product per hour (tons).
10	Northern district of the United States.	\$0.142	.094	76	Northern district of the United States.	\$0.132	.094
11	do	.134	.085	77	do	.147	.102
12	do	.148	.152	78	do	.121	.077
15	do	.151	.101	79	do	.095	.067
17	do	.148	.099	81	do	.153	.085
18	do	.150	.091	84	do	.095	.066
20	do	.136	.109	85	do	.140	.081
21	do	.187	.162	86	do	.163	.091
22	do	.135	.108	87	do	.149	.109
23	do	.157	.115	88	do	.111	.059
24	do	.149	.129	89	do	.145	.088
25	do	.149	.104	90	do	.172	.110
26	do	.147	.105	91	Southern district of the United States.	.131	.072
28	do	.136	.118	92	do	.115	.044
29	do	.150	.082	93	do	.122	.077
30	do	.153	.115	94	do	.127	.065
31	do	.153	.112	96	do	.128	.070
32	do	.153	.081	97	do	.105	.056
46	do	.149	.070	98	do	.132	.073
47	do	.123	.071	100	do	.131	.076
48	do	.131	.089	101	do	.131	.063
49	do	.130	.077	102	do	.114	.093
52	do	.131	.134	103	do	.111	.082
53	do	.141	.107	104	do	.111	.079
54	do	.118	.091	106	do	.114	.090
55	do	.154	.106	107	do	.105	.077
56	do	.161	.127	108	do	.121	.154
57	do	.162	.127	109	do	.111	.075
59	do	.145	.066	112	do	.116	.083
65	do	.146	.117	113	do	.121	.120
66	do	.156	.133	40	Continent of Europe..	.059	.082
67	do	.146	.115	60	do	.045	.105
68	do	.159	.099	64	do	.050	.075
69	do	.147	.091	117	do	.052	.073
70	do	.125	.085	118	do	.051	.067
71	do	.178	.130	38	Great Britain.....	.058	.079
73	do	.119	.079	62	do	.090	.127
74	do	.121	.094	116	do	.100	.130
75	do	.190	.122				

## B.—MUCK BAR IRON.

4	United States.....	\$0.202	.029	23	United States.....	\$0.177	.035
6	do	.170	.038	24	do	.183	.030
8	do	.290	.038	25	do	.170	.029
9	do	.240	.034	26	do	.209	.028
10	do	.230	.031	27	do	.293	.035
12	do	.230	.028	28	Continent of Europe..	.068	.039
13	do	.289	.039	36	Great Britain.....	.116	.031
15	do	.280	.038	37	do	.137	.040
18	do	.219	.028	38	do	.105	.035
22	do	.286	.032				

## C.—STEEL INGOTS.

2	United States.....	\$0.197	a. 102	8	United States.....	\$0.203	a. 129
3	do	.196	a. 128	11	Continent of Europe..	.057	d. 059
4	do	.127	a. 075	12	do	.055	a. 124
5	do	.174	b, c. 058	14	do	.063	e. 062
6	do	.184	a. 102	18	Great Britain.....	.202	d. 127
7	do	.208	a. 121	21	do	.109	d. 064

## D.—STEEL RAILS.

1	United States.....	\$0.185	.120	5	Continent of Europe..	\$0.093	.012
2	do	.173	.125	9	do	.055	.054
3	Continent of Europe..	.061	.058	10	do	.049	.023
4	do	.093	.037				

a Steel made by Bessemer process. b Single turn furnace. c Steel made by open hearth process.  
d Steel made by Siemens-Martin process. e Steel made by Thomas process.





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PART III.

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COST OF LIVING.

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## COST OF LIVING.

An essential element in the cost of production and in the efficiency of the labor employed is the cost of living. In connection, therefore, with the facts gathered by the agents of the Department relating to the cost of production, earnings, and efficiency of labor, there has been collected a vast amount of information pertaining to the cost of living of the men engaged, and Part III is devoted entirely to that subject. The facts were gathered from the heads of families employed in the very establishments from which schedules relating to cost of production and pay accounts were obtained, and upon budgets uniform for all industries. These budgets comprehended the constitution of the family; whether they owned the house in which they lived; or whether the house was hired, or furnished by the employer; the cost of living, in itemized statements, and wherever possible with quantity as well, with figures as to the yearly income of the individual members of the family from all sources, and the total cost of living in comparison with the total income, thus showing whether a surplus had arisen from a year's work or whether a deficit had occurred. This range of facts was gathered from 3,260 families distributed as to states and industries as follows:

NUMBER OF BUDGETS TABULATED IN COST OF LIVING.

State.	Pig iron.	Bar iron.	Steel.	Bituminous coal.	Coke.	Iron ore.	Total.
Alabama.....	143	39	2	60	30	.....	274
Georgia.....	25	.....	.....	.....	.....	.....	25
Illinois.....	40	68	38	.....	.....	.....	146
Indiana.....	.....	.....	.....	36	.....	.....	36
New York.....	56	41	62	.....	.....	38	197
Ohio.....	98	140	8	103	.....	29	378
Pennsylvania.....	313	277	48	301	187	73	1,199
Tennessee.....	51	17	.....	.....	15	9	92
Virginia.....	27	35	.....	.....	.....	16	78
West Virginia.....	9	6	25	8	17	.....	65
Belgium.....	11	75	.....	10	4	.....	100
France.....	.....	40	.....	.....	.....	.....	40
Germany.....	.....	22	35	18	10	19	104
Great Britain.....	65	114	166	166	15	.....	526
Total.....	838	874	384	702	278	184	3,260

The titles of the general tables and sub-tables relating to cost of living will now be given; the tables themselves will be found further along at the close of the text. Another series of tables, under the subject of consumption of food, based on these general tables, is embodied in the text, the titles of which will be enumerated by them-



selves in the proper place. The titles of the general tables and sub-tables are as follows :

TABLE XIX.—*Pig Iron: Cost of Living, by Families.*

- A.—Description of the family.
- B.—Age and sex.
- C.—Sources of income.
- D.—Expenditure for food.
- E.—Expenditure other than for food.
- F.—Contrasted income and expenditure.
- G.—Remarks.

TABLE XIX.—*Bar Iron: Cost of Living, by Families.*

- A.—Description of the family.
- B.—Age and sex.
- C.—Sources of income.
- D.—Expenditure for food.
- E.—Expenditure other than for food.
- F.—Contrasted income and expenditure.
- G.—Remarks.

TABLE XIX.—*Steel: Cost of Living, by Families.*

- A.—Description of the family.
- B.—Age and sex.
- C.—Sources of income.
- D.—Expenditure for food.
- E.—Expenditure other than for food.
- F.—Contrasted income and expenditure.
- G.—Remarks.

TABLE XIX.—*Bituminous Coal: Cost of Living, by Families.*

- A.—Description of the family.
- B.—Age and sex.
- C.—Sources of income.
- D.—Expenditure for food.
- E.—Expenditure other than for food.
- F.—Contrasted income and expenditure.
- G.—Remarks.

TABLE XIX.—*Coke: Cost of Living, by Families.*

- A.—Description of the family
- B.—Age and sex.
- C.—Sources of income.
- D.—Expenditure for food.
- E.—Expenditure other than for food.
- F.—Contrasted income and expenditure.
- G.—Remarks.

TABLE XIX.—*Iron ore: Cost of Living, by Families*

- A.—Description of the family.
- B.—Age and sex.
- C.—Sources of income.

- D.—Expenditure for food.
- E.—Expenditure other than for food.
- F.—Contrasted income and expenditure.
- G.—Remarks.

TABLE XX.—*Pig Iron : Summary of Cost of Living for each State, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.

TABLE XX.—*Bar Iron : Summary of Cost of Living for each State, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.

TABLE XX.—*Steel : Summary of Cost of Living for each State, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.

TABLE XX.—*Bituminous Coal : Summary of Cost of Living for each State, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.

TABLE XX.—*Coke : Summary of Cost of Living for each State, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.

TABLE XX.—*Iron Ore: Summary of Cost of Living for each State, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.

TABLE XXI.—*Pig Iron: Recapitulation of Cost of Living, by States*

- A.—Recapitulation of condition as to children.
- B.—Recapitulation of sources of income.
- C.—Recapitulation of expenditure for rent.
- D.—Recapitulation of expenditure for food.
- E.—Recapitulation of expenditure other than for rent and food.
- F.—Recapitulation of contrasted family income and expenditure.
- G.—Recapitulation of contrasted individual income and expenditure.
- H.—Recapitulation of means of support.

TABLE XXI.—*Bar Iron: Recapitulation of Cost of Living, by States*

- A.—Recapitulation of condition as to children.
- B.—Recapitulation of sources of income.
- C.—Recapitulation of expenditure for rent.
- D.—Recapitulation of expenditure for food.
- E.—Recapitulation of expenditure other than for rent and food.
- F.—Recapitulation of contrasted family income and expenditure.
- G.—Recapitulation of contrasted individual income and expenditure.
- H.—Recapitulation of means of support.

TABLE XXI.—*Steel: Recapitulation of Cost of Living, by States.*

- A.—Recapitulation of condition as to children.
- B.—Recapitulation of sources of income.
- C.—Recapitulation of expenditure for rent.
- D.—Recapitulation of expenditure for food.
- E.—Recapitulation of expenditure other than for rent and food.
- F.—Recapitulation of contrasted family income and expenditure.
- G.—Recapitulation of contrasted individual income and expenditure.
- H.—Recapitulation of means of support.

TABLE XXI.—*Bituminous Coal: Recapitulation of Cost of Living, by States.*

- A.—Recapitulation of condition as to children.
- B.—Recapitulation of sources of income.
- C.—Recapitulation of expenditure for rent.
- D.—Recapitulation of expenditure for food.
- E.—Recapitulation of expenditure other than for rent and food.
- F.—Recapitulation of contrasted family income and expenditure.
- G.—Recapitulation of contrasted individual income and expenditure.
- H.—Recapitulation of means of support.

TABLE XXI.—*Coke: Recapitulation of Cost of Living, by States.*

- A.—Recapitulation of condition as to children.
- B.—Recapitulation of sources of income.
- C.—Recapitulation of expenditure for rent.

- D.—Recapitulation of expenditure for food.
- E.—Recapitulation of expenditure other than for rent and food.
- F.—Recapitulation of contrasted family income and expenditure.
- G.—Recapitulation of contrasted individual income and expenditure.
- H.—Recapitulation of means of support.

TABLE XXI.—*Iron Ore: Recapitulation of Cost of Living, by States.*

- A.—Recapitulation of condition as to children.
- B.—Recapitulation of sources of income.
- C.—Recapitulation of expenditure of rent.
- D.—Recapitulation of expenditure for food.
- E.—Recapitulation of expenditure other than for rent and food.
- F.—Recapitulation of contrasted family income and expenditure.
- G.—Recapitulation of contrasted individual income and expenditure.
- H.—Recapitulation of means of support.

TABLE XXII.—*Pig Iron: Summary of Cost of Living for all States combined, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.
- H.—Summary of means of support.

TABLE XXII.—*Bar Iron: Summary of Cost of Living for all States combined, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.
- H.—Summary of means of support.

TABLE XXII.—*Steel: Summary of Cost of Living for all States combined, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.
- H.—Summary of means of support.

TABLE XXII.—*Bituminous Coal: Summary of Cost of Living for all States combined, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.



- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.
- H.—Summary of means of support.

TABLE XXII.—*Coke: Summary of Cost of Living for all States combined, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.
- H.—Summary of means of support.

TABLE XXII.—*Iron Ore: Summary of Cost of Living for all States combined, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.
- H.—Summary of means of support.

TABLE XXIII.—*Recapitulation of Cost of Living, by Industries.*

- A.—Recapitulation of condition as to children.
- B.—Recapitulation of sources of income.
- C.—Recapitulation of expenditure for rent.
- D.—Recapitulation of expenditure for food.
- E.—Recapitulation of expenditure other than for rent and food.
- F.—Recapitulation of contrasted family income and expenditure.
- G.—Recapitulation of contrasted individual income and expenditure.
- H.—Recapitulation of means of support.

TABLE XXIV.—*Summary of Cost of Living for all Industries combined, by Nationalities.*

- A.—Summary of condition as to children.
- B.—Summary of sources of income.
- C.—Summary of expenditure for rent.
- D.—Summary of expenditure for food.
- E.—Summary of expenditure other than for rent and food.
- F.—Summary of contrasted family income and expenditure.
- G.—Summary of contrasted individual income and expenditure.
- H.—Summary of means of support.

The Department has aimed to secure accounts from a representative number of the employés of the establishments covered in Parts I and II, and also from those families whose surroundings and conditions made them representative of the whole body of employés in any particular establishment. This representative character, however, has been impaired in some measure by two features: first, some families have not been willing to give the information desired; while, second,

other families, perfectly willing, have not been able to give reasonably exact accounts of their living expenses.

The 3,260 families from whom accounts for a year's living have been obtained represent 16,581 individuals. The facts for this great number of families are shown in detail in Table XIX; each family is given one line through the sub-tables A to G. The workers in pig iron establishments being first taken up, and those of the other industries following in order. Tables XX to XXIV summarize and crystallize the detailed facts of Table XIX and bring together in summaries and recapitulations the different results obtained.

Each family is given a number, known as the budget number, by which it may be traced through the several sub-tables; thus budget number 300, in sub-table A, Table XIX, Pig iron, refers to a distinct family, and budget number 300, sub-tables B, C, D, E, F, and G, of Table XIX, Pig iron, relates to the same family. These budget numbers, it must be remembered, have no relation whatever to establishment numbers used in Parts I and II. The establishment numbers to which the budgets relate are omitted, as their presence would enable anyone to see in what state such establishments tabulated in Part I are located, and lead possibly to an identification of some of them.

By the word family, as used in the three great tables of this part, is meant the family as a totality—the husband, wife, children, boarders, everybody that goes to make up the household for which facts were given.

Table XIX so specifically exhibits the details of the cost of living for each family for which accounts have been secured that no analysis would add practically to its value. Many features, however, when the table is studied will strike the reader as peculiar, but a little reflection will show the legitimacy of such features. The absence of milk, butter, eggs, or hog products from the dietaries of many families, as tabulated in Table XIX, may sometimes be explained by the fact that such families owned hens or cows, or kept pigs or hogs, and so furnished themselves with these products without purchasing in the market. The same condition applies in many cases which show an absence of vegetable products from the expense of families, or perhaps, if not an absence of such products, a very small quantity used. In such cases gardens were often cultivated by the families and the products consumed without apparent outlay, certainly no outlay in cash, for purchases.

In sub-table E, Table XIX, Expenditure other than for food, it will be noticed that in many cases a very small amount is expended for fuel. This feature is often explainable by the fact that such families, as they have stated, "pick up" wood or coal. Sometimes the expenditure for fuel is omitted entirely, and in such cases if not picked up it may be furnished by the lessor of the house to the lessee without extra charge, and be included in the price paid for rent. Such exceptions, of course,

must occur in mining districts where coal is of no particular consequence, and the lessor owns both house and coal. In some of the families the amounts expended for sickness and death are small. This may be owing to the fact that in sickness a company doctor, who receives a stipulated amount per annum from the corporation, has been employed.

In Parts I and II it will be noticed that great pains have been taken to explain every seeming discrepancy by footnotes, but such a course could not be followed with these budgets and keep the presentation within reasonable limits. It can only be said that without doubt an explanation might be found in about every case where there is apparent error; sub-table G, Remarks, will often throw light upon the matter.

Table XX is an exceedingly important one. It is a summary of cost of living by states and nationalities for each industry, drawn from the details of the preceding table. An examination of the first page of the table for pig iron may be of value. Sub-table A, summary of condition as to children shows that of the Alabama families employed in the pig iron industry, 132 husbands are born in the United States—we do not know their nationality other than by birth—1 is a Canadian, 3 are English, 3 German, 2 Irish, 1 Scotch, and 1 Welsh; that in 47 of these the condition as to children is unknown, 45 of the latter number being American families; that the average number of children per family for the American families is 2.8, for the Canadian 4.0, for the English 4.5, for the German 3.5, for the Irish 1.5, and for the Welsh 3.0; and that 48 families are without children, 45 of them being American families. The table also subdivides the children into those at work, those at school, and those at home.

Table XXI recapitulates the state totals found in Table XX so that comparisons between states may be easily made. By sub-table B we see that in Alabama the 143 families engaged in pig iron production average in size 4.3, and that they have an average income of \$549.74, or an average individual income of \$127.41; in Georgia the families average 5.6, with an average income of \$499.05, or an average for each individual in each family of \$88.48; in Illinois the income rises to \$723.69 per family, or \$168.30 per individual; in New York it is \$556.99 per family, or \$101.27 per individual; in Ohio, the income per family is \$586.39; in Pennsylvania, \$625.59; in Tennessee, \$546.61; in Virginia, \$450.29, and in West Virginia, \$696.67; while for the total of 762 families in the states just named, the average income of the husbands alone is \$513.52, but of the family, on the average, \$591.61, or per individual in each family, \$117.43. For Belgium the income per family is, on the average, \$374.53, while in Great Britain it is \$456.86.

Looking at sub-table C we find that out of 762 families employed in the production of pig iron in the United States, the average size of family is 5.0, and 189 families out of the whole number own their houses. 533 families report the number of rooms they occupy, and this shows for the number given 3.9 rooms, nearly 4 rooms for each family. The



average rent paid by the whole is \$65.02 per annum, or an average of \$13.34 for each individual in the families. The influence of climate is seen by the statistics in sub-table C. There is not a great range in difference of rent of the pig iron producing families in the different states considered; that is, in no one case does it vary greatly from the average for the whole, \$65.02, the widest variation being in Illinois, where the average rent per family is \$87.94. In Belgium the rent is \$31.72; in Great Britain, \$39.47, or an average for the two countries of \$38.35, as against \$65.02 for the families in the United States.

Through sub-table D of Table XXI can be traced the comparisons for the expenditures for the different kinds of food used.

The next most interesting recapitulation is that designated as sub-table E, for pig iron. The influence of climate is observable to some extent in the examination of the fuel expense. In Alabama it is \$16.79 per family; in Georgia, \$8.72; in Tennessee, \$19.08; while in the states reaching farther north the sum is considerably increased, as, for instance, in Illinois it is \$41.30; in New York, \$35.85; in Ohio, \$31.33; in Pennsylvania, \$29.94, and for all the states, for the number of families considered, 762 in all, the average expense for fuel is \$27.26; while in Belgium, for the families involved, the expenditure for fuel per annum is \$16.74, and in Great Britain, \$20.76. We find the average expenditure of 762 families for taxes to be \$5.59, the highest amount paid being \$12.28 in Ohio, and the lowest amount in Georgia, \$1.46, while in Belgium the taxes are 56 cents on the average for the 11 families given, and \$1.77 in Great Britain. Life insurance seems to form a considerable portion of the expenses of families, it being, for the 762 families engaged in the production of pig iron for the United States, \$18.13 on the average. In Great Britain it is \$12.21. The average expense for labor organizations in the United States is \$7.26; in Belgium, \$3.67, and in Great Britain, \$3.72, while for religion, the annual average expense in the United States is \$7.76; in Belgium, \$1.24, and in Great Britain, \$5. The literary habits of these families are well testified to by the expense for books and newspapers, it being for the United States, \$5.70, the largest sum being for Illinois, \$8.37, and the smallest for Georgia, \$1.93. In Belgium it is \$2.51, and in Great Britain \$5.10. For amusements and vacation the average United States family employed in the production of pig iron expends \$11.28; in Belgium, \$38.54, and in Great Britain, \$19.05. There are some unhappy revelations of the amount of money that goes for intoxicating liquors. The Alabama families expend for drink on the average per annum, \$17.15; Georgia, \$8.05; Illinois, \$61.73; New York, \$35.14; Ohio, \$14.13; Pennsylvania, \$13.90; Tennessee, \$9.18, and Virginia, \$8.08; while for Belgium the annual average expense for intoxicating liquors for 11 families given is \$9.66, and for Great Britain, \$21.86. For tobacco the annual average expense ranges from \$5.44 in New York to \$15.46



in Georgia, the average for all the states considered being \$11.46; while for Belgium it is \$5.54, and for Great Britain, \$16.38.

Sub-table F, Table XXI, for the families engaged in pig iron production, shows the contrasted income and expenditure per family. These figures need not be reproduced, for reference to the table will bring the comparisons clearly to view. It may be said, however, that out of the 762 families engaged in the pig iron industry in the United States, 511 had an average surplus of \$99.23 for their year's work, and 249 had a deficit of \$64.75 on the average. In Belgium 6 out of the 11 families engaged in the production of pig iron had a surplus of \$22.24 on the average, while 5 had a deficit of \$22.24, and in Great Britain 30 families out of 65 in the pig iron industry had an average surplus of \$47.02, while 2 experienced a deficit of \$4.97.

In sub-table G, Table XXI, the individual income and expenditure are brought out, and in sub-table H the means of support. So the reader can go through with all of Table XXI with each of the several industries, finding all the facts presented.

Table XXII summarizes by nationalities, in two groups, one representing the United States and the other Europe, the facts shown in Table XX for individual states.

Sub-table B shows sources of income, and looking at the exhibit of these sources for pig iron we see that the Canadians seem to lead as to the average income of the family, it being \$884.15, while the lowest average income per family is for the Austrians, being \$379. These are for Canadians and Austrians employed in this country. The range in the individual income is from \$162.66 for the Welsh families, down to \$63.38 for the Hungarian. The range for different nationalities employed in Europe is as follows, the highest being for the Scotch, \$517.01 per family, and the lowest for the Belgian, \$374.53, while the highest average individual income is in English families, being \$102.69, and the lowest in Belgian families, \$64.37.

Passing the other interesting features of Table XXII, and examining sub-table E for pig iron, we find a summary of expenditures other than for food and rent, which offers valuable comparisons. In the United States under the expenditure for intoxicating liquors, we find the highest to be for the Polish families, the average expenditure being \$60 per annum, while the lowest is for the Scotch families, being \$8 per annum. In Europe for the Belgian families employed in Belgium the average expense is \$9.66, the highest expense being for the Scotch families, \$31.02.

Sub-table F gives a summary of contrasted income and expenditure, from which it is seen that the highest average income per family is for Canadians, \$884.15, and the lowest for Austrian families, \$379, these being employed in the United States; while the highest total expenditure also is by the Canadian families, \$945.15, and the lowest by the Austrian families, \$368.77. In Europe the Scotch families have the highest income, it being \$517.01 on the average, the Belgian fam-

ilies having the lowest income, \$374.53. The highest annual expenditure is among the Scotch families, \$495.85, and the lowest among the Welsh, \$371.50. These figures refer simply to families whose head is employed in the pig iron industry.

Table XXIII brings together the industry totals of Table XXI for the United States and Europe in separate groups to facilitate comparison. By this table we get the results for each industry taken as a whole for the United States and Europe. From it we learn, under sub-table A, the facts relative to the condition as to children, and under sub-table B those relative to sources of income. In the United States, out of 2,490 families, 762 are engaged in the pig iron industry, 623 in bar iron, 183 in steel, 508 in bituminous coal, 249 in coke, and 165 in iron ore, while for the 770 families investigated in Europe, 76 are engaged in the pig iron industry, 251 in bar iron, 201 in steel, 194 in bituminous coal, 29 in coke, and 19 in iron ore. Sub-table B also shows in how many families the wives, children, and boarders add to the income. The bar iron families have the largest average income in the United States, it being \$784.11. The smallest income is for the iron ore families, it being \$401.65. These proportions hold good even when the individual members of the family are considered, the highest average income for each individual being \$161.86, in bar iron, and the lowest \$77.51, in iron ore. Turning to Europe we find that the highest income is for the families engaged in the steel industry, where it is \$530.10, and they also have the highest individual average, \$101.57. These figures for the United States and Europe clearly show the changes in the methods of production. One would naturally have expected that in the United States the average income of families engaged in the steel industry would have been the largest, instead of those in bar iron or any other of the industries considered; but for several years the new processes introduced in the manufacture of steel in this country have enabled the producers to employ a lower grade of help, so that bar iron with its skilled workmen now leads the iron industries and those associated therewith in almost every table which we present. In Europe these processes have not been so thoroughly developed in the steel manufacture, and so a high grade of skill is still found there.

If we turn to sub-table C, of Table XXIII, we find that of the 2,490 families considered for the United States, 540 own the houses in which they live, while of the 770 families in Europe only 31 own houses. An interesting fact brought out in this tabulation is the number of rooms per family. Only 1,782 families in the United States report the number of rooms occupied, and the average is 4.1, the bar iron families representing the largest number, the average being 5.0. For Europe the average number of rooms per family is 3.7, the highest average being for pig iron, 4.0 rooms per family. Regarding rent, the bar iron families still lead in this country, the average expenditure being \$107.33, the lowest average being for iron ore miners, \$33.11 per family per annum. In

Europe the highest average is for bituminous coal miners, being \$45.47, and the lowest average is for iron ore miners, \$31.38. The average annual rent per family in the United States is \$74.58, and in Europe \$41.76, the average for the two countries being \$65.50. Reducing the rent to averages per individual for the United States, we find that bar iron still leads, it being \$22.54, the average for all families in the United States being \$15.23. In Europe the average per individual is \$7.91.

Sub-table D gives the expenditures for food of different kinds. By this table one can easily trace the food consumption, as far as cost is concerned, of the families engaged in the different industries considered. One single line illustrates the whole. Taking the United States, we find that the pig iron families for which the facts are given consume an average of \$24.81 worth of beef; bar iron, \$42.35; steel, \$39.83; bituminous coal, \$27.93; coke, \$21.90, and iron ore, \$27.87; the average for the United States for all industries being \$30.57, while for Europe it is \$29.47, being very nearly the same for the consumption of beef in the two countries. In the United States the bar iron families still lead in this respect. The average cost per family for all kinds of food is shown in the fourth section of sub-table D, where it is seen to be \$243.65 in the United States, and \$222.52 in Europe. The bar iron families for the United States have the highest average, it being \$281.21, the iron ore families averaging \$183.83.

Sub-table E is for expenditures other than for rent and food, and the figures for fuel, lighting, and clothing are given. The average cost of fuel for the various industries in the United States, as shown, is \$25.55, and in Europe, \$16.98, the bar iron families having the highest average, \$32.30, so far as the United States is concerned. This is also true of lighting, for which the average expense of bar iron families is \$6.57, the average for all industries being \$4.57, while the average for all in Europe is \$5.45, our own production of lighting material giving the advantage to a certain extent to the American worker.

The American workmen, so far as these tables are concerned, pays a higher average amount of money for taxes than his European competitor, as shown by section 2 of sub-table E. The highest average taxes are paid by the bar iron families, \$13.29 per annum, the average for the United States being \$6.44; while in Europe the steel workers pay the highest average amount for taxes, it being \$6.66, and the average for all, \$4.97.

The third part of sub-table E shows the expenses for religion, charity, books and newspapers, and amusements and vacation. Looking at amusements and vacation, we find that in the United States the average expenditure is \$14.15 per annum, the bar iron families standing at the top with \$22.37, and the iron ore miners, at the bottom of the list, with \$10.25; in Europe the average for all is \$20.53, the average for the steel workers being \$25.83, while the iron ore miners spend for their families on an average but \$3 per annum for amusements and vacation.



The fourth section of sub-table E gives the expenditures for intoxicating liquors, tobacco, sickness and death, and for other purposes. The average expenditure for intoxicating liquors for all the families giving information in the United States was \$19.60, and in Europe, \$23.17. For tobacco the expenditure was \$10.98 in the United States and \$9.47 in Europe. The averages by industries for liquors in the United States are as follows: for pig iron families, \$17.61; bar iron families, \$25.10; steel workers, \$26.55; bituminous coal, \$18.09; coke, \$20.25; iron ore, \$8.58; while in Europe the averages are, for pig iron, \$20.00; bar iron, \$25.26; steel, \$26.19; bituminous coal, \$21.76; coke, \$20.85; iron ore, \$7.53. It will be seen that iron ore miners, both for the United States and for Europe, show the lowest average expenditure for intoxicating liquors.

Sub-table F of Table XXIII gives the expenditure per family for rent, food, other purposes, and all purposes, the total income, and the balance per family of surplus or deficit. In the United States for all the industries considered, 1,580 families out of 2,490 report an average surplus of \$137.87, the bar iron families taking the lead with an average surplus of \$205.49, while 869 families report a deficit of \$60.59 on an average per family, and in this the steel workers are ahead, the deficit being on an average \$76.81 for 66 families. In Europe 441 families out of 770 report an average surplus of \$69.52, and 167 families report an average deficit of \$30.85.

Sub-table G shows averages for individual income and expenditure. For the 2,490 American families, 540 own houses, and the average rental for others is \$15.23 per individual; for food, \$48.60 per individual; for all purposes, \$110.88, with an average individual income of \$124.11; while for Europe, 31 families out of 770 own their houses, and the average expenditure for rent is \$7.91 per individual, about half what it is in the United States. The average expenditure for food in Europe is \$41.80 per individual, as against \$48.60 in the United States. The total expenditure for all purposes per individual in Europe is \$82.25, as against \$110.88 in the United States, while the average income per individual for the European families is \$88.47 on the average, as against \$124.11 in the United States.

The last sub-table in Table XXIII is designated H, and shows how the family is supported; that is to say, by the earnings of what parts of the family, whether by the husband alone; husband, wife, and children; husband and other income, with their totals.

Table XXIV summarizes the facts for all industries combined, by nationalities in two groups, the United States being one and Europe the other.



## THE CONSUMPTION OF FOOD BY NORMAL FAMILIES.

The following tables are believed to present a scientific basis of comparison of the quantity and value of food consumed by differently sized families; as far as the Department is aware this is the only effort in the direction indicated that has been made. In what has been said on the cost of living the family as it was found has been considered, and the comparisons in the preceding remarks have all been based on the family as found; that is, on the family simply, whether consisting of father and mother and one or more children, or with boarders and dependent relatives, and without regard to size. While such a comparison is exceedingly interesting and valuable, it is not particularly scientific, although the aggregates of cost under each specification as to articles or items is accurate, yet the comparison is by clusters of individuals and not by any clearly defined unit. In fact, it is difficult to compare the cost of living of one group with that of another, unless the groups are constituted exactly alike or nearly alike. One family may consist almost entirely of adult persons, and another of the father and mother and several young children. Economic writers, and notably Dr. Edward Atkinson, in making comparisons in the directions indicated, have considered two children, without regard to their ages, as equivalent to one adult in the consumption of food. The plan of the Department has been to reduce the comparisons relative to the consumption of food to an exact basis, and after much consideration and study of the question, a method on the basis of units of consumption was adopted, and while the basis is arbitrary, for the purposes of comparison it furnishes a method more satisfactory than any other yet suggested. The basis settled upon ascribes a consuming power to the husband equal to 100 units; to the wife, 90 units; to children from 11 to 14 years of age, inclusive, 90 units; to children from 7 to 10, inclusive, 75 units; to children from 4 to 6, inclusive, 40 units, and to children from 1 to 3, inclusive, 15 units. This basis enables one to make a comparison of the consumption of different kinds of food by purely mathematical methods, each family being reduced to its appropriate number of units; so that units are brought into comparison, and not the family as a group. For the purpose of this comparison, and to eliminate possibilities of mathematical error growing out of abnormal families, those with boarders or with a large number of children have been excluded and the remainder only, designated as normal families, made use of. All families having children over 14 years of age have been thrown out of the comparison, as well as all families where the number of children exceeded five. A study of the results obtained shows that under the restrictions noted, for large numbers of families, the theory, often made use of by writers, that two children are equal to one adult in consuming power is substantially correct. The budgets for this class of families have been selected from the 3,260 tabulated in Table XIX, and their budget numbers are retained so that anyone

can identify them in that table. The total number of families coming under this scientific and mathematical calculation is 1,613, distributed as to industry and locality as shown in Statements A and C.

STATEMENT A.—*Budgets used in Food Consumption Tables.*

[The budgets included in this statement were used in all the following tables from **a** to **q**, inclusive. They are all for families consisting of husband and wife and 3, 4, or 5 children under 15 years of age; families with a less or greater number of children, or with older children, or with boarders or dependents are excluded.]

State.	Pig iron.	Bar iron.	Steel.	Bituminous coal.	Coke.	Iron ore.	Total.
Alabama .....	25	7	1	15	6	.....	54
Georgia .....	3	.....	.....	.....	.....	.....	3
Illinois .....	4	5	5	.....	.....	.....	14
Indiana .....	.....	.....	.....	6	.....	.....	6
New York .....	11	3	14	.....	.....	6	34
Ohio .....	29	23	1	16	.....	5	74
Pennsylvania .....	67	57	8	51	51	10	244
Tennessee .....	3	1	.....	.....	4	3	11
Virginia .....	3	8	.....	.....	.....	2	13
West Virginia .....	5	.....	3	2	3	.....	13
Belgium .....	1	13	.....	3	.....	.....	17
France .....	.....	6	.....	.....	.....	.....	6
Germany .....	.....	7	2	.....	.....	2	11
Great Britain .....	20	22	44	48	2	.....	136
Total .....	171	152	78	141	66	28	636

The titles of the various tables under the general subject of consumption of food are as follows :

CONSUMPTION OF FOOD.

Table **a**.—Description of the family.

**b**.—Units of consumption per family.

**c**.—Quantity of certain articles of food used.

**d**.—Pig iron: cost, by families.

**e**.—Bar iron: cost, by families.

**f**.—Steel: cost, by families.

**g**.—Bituminous coal: cost, by families.

**h**.—Coke: cost, by families.

**i**.—Iron ore: cost, by families.

**j**.—Summary of quantity and cost of certain articles of food used.

**k**.—Pig iron: summary of quantity of food used, in certain selected occupations.

**l**.—Bar iron: summary of quantity of food used, in certain selected occupations.

**m**.—Steel: summary of quantity of food used, in certain selected occupations.

**n**.—Bituminous coal: summary of quantity of food used, in certain selected occupations.

**o**.—Coke: summary of quantity of food used, in certain selected occupations.

**p**.—Iron ore: summary of quantity of food used, in certain selected occupations.

**q**.—Miscellaneous: summary of quantity of food used, in certain selected occupations.

**r**.—Pig iron: decreasing cost per capita and increasing size of family.

**s**.—Bar iron: decreasing cost per capita and increasing size of family.

**t**.—Steel: decreasing cost per capita and increasing size of family.

**u**.—Bituminous coal: decreasing cost per capita and increasing size of family.

**v**.—Coke: decreasing cost per capita and increasing size of family.

- w.**—Iron ore: decreasing cost per capita and increasing size of family.  
**x.**—Pig iron, bar iron, and steel, combined: decreasing cost per capita and increasing size of family.  
**y.**—Coal, coke, and iron ore combined: decreasing cost per capita and increasing size of family.  
**z.**—All industries combined: decreasing cost per capita and increasing size of family.

It was at first determined to use only the budgets for families consisting of husband, wife, and three, four, or five children in the treatment of consumption of food; but as the work developed, the advisability of also using the budgets of families having no children, one child, or two children in certain cases became apparent, and this has resulted in two classes of tables. To prevent any confusion of mind when examining them each has a prefatory note stating of what sized families it is composed. It will be noticed that the tables from **a** to **q**, inclusive, are made from budgets representing husband, wife, and three, four, or five children, while those from **r** to **z**, inclusive, are made from budgets representing husband and wife simply, or husband and wife and one, two, three, four, or five children. The first of the following statements (Statement B) shows the distribution by industries and states of these additional families of husband and wife simply, or husband and wife and one or two children; while the second (Statement C) shows the distribution of families of husband and wife simply, or husband and wife and one, two, three, four, or five children. This statement (C) is the basis for Tables **r** to **z** under the subject of consumption of food, and for Tables **1**, **2**, **3**, and **4** farther along under the subject of income and expenditure per family in normal families. Statement B is not used by itself as a basis for any tables; it simply shows the distribution of the other families that added to those in Statement A make those used in Statement C.

STATEMENT B.—*Budgets used in Food Consumption Tables.*

[The budgets included in this statement do not by themselves form the basis of any table. The statement simply shows the distribution of those other families consisting of husband and wife only, or of husband and wife and one or two children, that, added to those in Statement A, make those embraced in Statement C.]

State.	Pig iron.	Bar iron.	Steel.	Bituminous coal.	Coke.	Iron ore.	Total.
Alabama .....	65	12	1	25	14	.....	117
Georgia .....	8	.....	.....	.....	.....	.....	8
Illinois .....	9	11	12	.....	.....	.....	32
Indiana .....	.....	.....	.....	18	.....	.....	18
New York .....	21	8	15	.....	.....	4	48
Ohio .....	26	64	3	31	.....	14	138
Pennsylvania .....	80	111	20	77	64	23	375
Tennessee .....	4	9	.....	.....	5	2	20
Virginia .....	3	5	.....	.....	.....	5	13
West Virginia .....	2	.....	12	.....	8	.....	22
Belgium .....	2	19	.....	1	.....	.....	22
France .....	.....	2	.....	.....	.....	.....	2
Germany .....	.....	4	3	.....	.....	1	8
Great Britain .....	26	46	39	37	6	.....	154
Total .....	246	291	105	189	97	49	977



STATEMENT C.—*Budgets used in Food Consumption Tables.*

[The budgets included in this statement were used in tables **x**, **s**, **t**, **u**, **v**, **w**, **x**, **y**, and **z** following, and also in Tables **1**, **2**, **3**, and **4** which appear a little further along under the caption *Income and expenditure per family in normal families*. They are for families consisting of husband and wife only, or husband and wife and one, two, three, four, or five children under 15 years of age; families with a greater number of children, or with older children, or with boarders or dependents are excluded.]

State.	Pig iron.	Bar iron.	Steel.	Bituminous coal.	Coke.	Iron ore.	Total.
Alabama .....	90	19	2	40	20	.....	171
Georgia .....	11	.....	.....	.....	.....	.....	11
Illinois .....	13	16	17	.....	.....	.....	46
Indiana .....	.....	.....	.....	24	.....	.....	24
New York .....	32	11	29	.....	.....	10	82
Ohio .....	55	87	4	47	.....	19	212
Pennsylvania .....	147	168	28	128	115	33	619
Tennessee .....	7	16	.....	.....	9	5	31
Virginia .....	6	13	.....	.....	.....	7	26
West Virginia .....	7	.....	15	2	11	.....	35
Belgium .....	3	32	.....	4	.....	.....	39
France .....	.....	8	.....	.....	.....	.....	8
Germany .....	.....	11	5	.....	.....	3	19
Great Britain .....	46	68	83	85	8	.....	290
Total .....	417	443	183	330	163	77	1, 613

Tables **a** to **i** it will be seen on examination are detail tables; that is, the facts for each family stand by themselves, occupying always a single line. Table **j** to **z** and **1** to **4** (immediately following **z**) are summary tables in which many families are combined. In Tables **a** to **i** the budgets are tabulated always in the same order, the states being taken up alphabetically, and as three children are the smallest number considered here, families with such a number of children are presented first, and are followed in order by those of four and five children. The principle on which this study of the consumption of food is based being once understood, the tables will need little explanation. This principle may be again stated as based on the potential capacity for consuming food of the different members of families. It requires the ascription arbitrarily of a certain equal consuming power to all husbands, a different equal consuming power to all wives, and a consuming power to children equal for equal ages (or groups of ages) without respect to sex, but differing as between one age (or group of ages) and another.

The consuming power which has been given to the various members of families is shown in the following statement:

## CONSUMING POWER ASCRIBED TO DIFFERENT MEMBERS OF FAMILIES.

Members of family.	Units of food consumption.
To husbands .....	100
To wives .....	90
To children from 11 to 14 years, inclusive .....	90
To children from 7 to 10 years, inclusive .....	75
To children from 4 to 6 years, inclusive .....	40
To children from 1 to 3 years, inclusive .....	15



Families with children over 14 years of age or with boarders or dependents have been excluded from consideration.

Table **a** gives a description of the families of three, four, and five children made use of. Table **b** shows the units of consuming power which each of these families has upon the basis just given. Table **c** shows the quantity of certain articles of food consumed for a hundred units of consuming power, that is, for one man. For instance, family number 9, the first one presented, consisting of husband, wife, and children of one, four, and six years, have a consuming power, by Table **b**, of 285 units, or in other words a consuming power equal to 2.85 men; now, by Table XIX.—Pig Iron, D.—Expenditure for Food (2), page 741, it will be seen that this family used 12 bushels of potatoes; this gives a consumption per 100 units of 4.21 bushels, as is shown in Table **c**.

Tables **d** to **i**, inclusive, take up for the different industries, from pig iron to iron ore, the whole cost of food and compute its cost per 100 units, the consuming power of a man. This same family (number 9) it will be found by Table XIX.—Pig Iron, D.—Expenditure for Food (3) page 753, made a total expenditure for food of all sorts of \$231.15 which is equal to \$31.11 per 100 units (or per man) as shown in Table **d**.

Table **j** summarizes the facts as to quantity and cost given in Tables **c** to **i**. Tables **k** to **q** summarize the facts as to quantity simply, given in Tables **c** to **i**, for certain selected occupations, the object being to determine the relative quantity consumed of certain articles of food by workmen in different occupations. This plan if applied to occupations more dissimilar in character might produce interesting results. The tables themselves, which will repay study, now follow:

### CONSUMPTION OF FOOD.

TABLE **a**.—DESCRIPTION OF THE FAMILY.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Budget number.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
9	Alabama	American	Pig iron	Carpenter	1, 4, 6
18	do	American	Pig iron	Weighman	1, 4, 6
51	do	American	Pig iron	Iron handler	7, 9, 10
61	do	American	Pig iron	Stock unloader	4, 10, 11
62	do	American	Pig iron	Keepers' helper	5, 6, 14
63	do	American	Pig iron	Coke unloader	2, 8, 11
69	do	American	Pig iron	Engineer, locomotive	1, 2, 4
109	do	American	Pig iron	Tracklayer	6, 8, 12
117	do	American	Pig iron	Fireman	1, 4, 6
118	do	American	Pig iron	Fireman	7, 9, 12
143	do	Welsh	Pig iron	Engineer, blowing	1, 6, 8
847	do	American	Bar iron	Timekeeper	1, 4, 5
852	do	American	Bar iron	Heaters' helper	1, 3, 8
873	do	Irish	Bar iron	Puddlers' helper	1, 3, 2
876	do	Irish	Bar iron	Puddler	2, 5, 10
1713	do	American	Steel	Buggyman	5, 7, 9
2103	do	American	Bituminous coal	Foreman, track	2, 5, 7
2115	do	American	Bituminous coal	Miner	1, 4, 8
2117	do	American	Bituminous coal	Miner	7, 9, 12
2128	do	American	Bituminous coal	Head cutter	8, 11, 14

## CONSUMPTION OF FOOD—Continued.

TABLE A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
2129	Alabama	American	Bituminous coal	Miner	1, 3, 4
2143	do	English	Bituminous coal	Miner	2, 4, 14
2144	do	English	Bituminous coal	Machinist	3, 4, 6
2151	do	Scotch	Bituminous coal	Miner	1, 2, 4
2801	do	American	Coke	Drawer	6, 9, 13
2815	do	American	Coke	Drawer	6, 8, 10
2825	do	American	Coke	Charger	6, 8, 10
8	do	American	Pig iron	Water carrier	2, 4, 8, 10
32	do	American	Pig iron	Engineer, locomotive	2, 4, 10, 12
46	do	American	Pig iron	Stoveman	3, 5, 7, 10
64	do	American	Pig iron	Brickyard boss	5, 9, 11, 14
98	do	American	Pig iron	Keeper's helper	2, 3, 5, 8
101	do	American	Pig iron	Keeper	5, 6, 8, 10
110	do	American	Pig iron	Iron breaker and piler	4, 7, 9, 11
111	do	American	Pig iron	Iron grader	3, 6, 8, 10
114	do	American	Pig iron	Filler, top	10, 12, 13, 14
123	do	American	Pig iron	Filler, stockhouse	6, 8, 10, 12
133	do	Canadian	Pig iron	Boiler tender	5, 6, 10, 13
865	do	American	Bar iron	Puddler	4, 5, 7, 8
2102	do	American	Bituminous coal	Carpenter	1, 8, 10, 12
2121	do	American	Bituminous coal	Head cutter	1, 3, 5, 7
2122	do	American	Bituminous coal	Tippleman	1, 3, 5, 7
2132	do	American	Bituminous coal	Laborer	1, 6, 8, 12
2135	do	American	Bituminous coal	Loader	1, 2, 4, 10
2153	do	Scotch	Bituminous coal	Engineer	1, 4, 5, 8
2814	do	American	Coke	Drawer	1, 3, 5, 6
2822	do	American	Coke	Loader	2, 4, 6, 11
47	do	American	Pig iron	Inspector, car	1, 4, 5, 6, 8
59	do	American	Pig iron	Engineer	1, 3, 5, 8, 9
80	do	American	Pig iron	Laborer	1, 5, 7, 9, 10
861	do	American	Bar iron	Puddler	2, 5, 6, 12, 14
864	do	American	Bar iron	Puddler	2, 4, 9, 12, 14
2104	do	American	Bituminous coal	Mine boss	1, 2, 4, 6, 12
2800	do	American	Coke	Drawer	2, 5, 6, 11, 14
145	Georgia	American	Pig iron	Foreman, quarry	1, 3, 4
162	do	American	Pig iron	Driver	1, 5, 11, 13
163	do	American	Pig iron	Laborer	1, 3, 4, 6
180	Illinois	English	Pig iron	Cagman	5, 9, 12
207	do	Scotch	Pig iron	Metal breaker	7, 9, 12
208	do	Welsh	Pig iron	Iron breaker	7, 11, 13
920	do	German	Bar iron	Shearman	4, 6, 8
943	do	Welsh	Bar iron	Fireman	6, 7, 10
1721	do	American	Steel	Machinist	1, 2, 4
1728	do	Austrian	Steel	Rougher	2, 4, 6
1733	do	German	Steel	Foreman, drop	3, 5, 6
181	do	English	Pig iron	Heater	3, 6, 8, 10, 12
907	do	French	Bar iron	Puddler	2, 3, 5, 7, 9
919	do	German	Bar iron	Piler	2, 4, 6, 7, 9
938	do	Welsh	Bar iron	Rougher	2, 5, 6, 9, 11
1720	do	American	Steel	Engineer	1, 2, 5, 10, 12
1744	do	Irish	Steel	Foreman, yard	1, 3, 6, 8, 10
2159	Indiana	American	Bituminous coal	Miner	1, 6, 7
2187	do	American	Bituminous coal	Dumper	5, 7, 9
2188	do	American	Bituminous coal	Miner	1, 9, 12
2162	do	American	Bituminous coal	Fireman	1, 5, 8, 10
2168	do	American	Bituminous coal	Cutter	1, 2, 3, 14
2177	do	American	Bituminous coal	Dumper	2, 4, 7, 9, 11
220	New York	English	Pig iron	Teamster	8, 12, 14
238	do	Irish	Pig iron	Helper	1, 3, 6
243	do	Irish	Pig iron	Filler	1, 2, 4
974	do	Irish	Bar iron	Rollers' helper	2, 5, 7
981	do	Scotch	Bar iron	Puddler	1, 2, 4
1764	do	American	Steel	Hooker-up	4, 9, 13
1771	do	English	Steel	Hooker-up	5, 7, 8
1775	do	German	Steel	Shearman	2, 3, 5
1808	do	Irish	Steel	Puddler	2, 4, 9
3087	do	American	Iron ore	Miner	1, 3, 5
3106	do	Irish	Iron ore	Miner	2, 4, 6
212	do	American	Pig iron	Engineer	1, 3, 5, 7
217	do	American	Pig iron	Yardmaster	1, 3, 4, 5
222	do	English	Pig iron	Filler, top	1, 2, 3, 5
245	do	Irish	Pig iron	Filler	2, 3, 7, 11
250	do	Irish	Pig iron	Boiler tender	1, 3, 4, 5
257	do	Irish	Pig iron	Filler, top	1, 2, 4, 6
263	do	Scotch	Pig iron	Helper	2, 9, 11, 13
965	do	English	Bar iron	Laborer	1, 8, 11, 14
1753	do	American	Steel	Laborer	1, 5, 6, 9

## CONSUMPTION OF FOOD—Continued.

TABLE a.—DESCRIPTION OF THE FAMILY—Continued.

Fnd- get num- ber.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
1754	New York	American	Steel	Engineer	2, 3, 5, 14
1755	do	American	Steel	Stoker	2, 4, 7, 10
1769	do	English	Steel	Roller	1, 3, 5, 7
1787	do	Irish	Steel	Heaters' helper	2, 5, 7, 9
1788	do	Irish	Steel	Pitman	1, 3, 5, 10
1798	do	Irish	Steel	Laborer	1, 3, 10, 11
1810	do	Polish	Steel	Wheeler	1, 2, 4, 8
3081	do	American	Iron ore	Driver	1, 5, 6, 9
3110	do	Irish	Iron ore	Miner	1, 2, 4, 5
237	do	Irish	Pig iron	Keeper	1, 3, 5, 8, 11
1756	do	American	Steel	Plater	1, 2, 3, 5, 6
1813	do	Scotch	Steel	Laborer	1, 3, 6, 8, 10
3091	do	English	Iron ore	Ore sorter	1, 4, 5, 9, 12
3113	do	Irish	Iron ore	Miner	2, 5, 7, 10, 14
279	Ohio	American	Pig iron	Iron carrier	5, 8, 10
287	do	American	Pig iron	Engineer	2, 4, 5
288	do	Bohemian	Pig iron	Iron handler	3, 6, 8
297	do	English	Pig iron	Laborer	1, 3, 6
306	do	German	Pig iron	Engineer	2, 5, 7
307	do	German	Pig iron	Laborer	2, 3, 5
308	do	German	Pig iron	Iron handler	1, 3, 6
309	do	German	Pig iron	Slagman	7, 11, 14
319	do	German	Pig iron	Iron handler	1, 3, 5
327	do	German	Pig iron	Filler, top	1, 4, 7
330	do	German	Pig iron	Metal carrier	10, 12, 14
344	do	German	Pig iron	Filler	2, 4, 6
1001	do	American	Bar iron	Foreman, laborers	1, 2, 4
1004	do	American	Bar iron	Fireman	2, 4, 6
1016	do	American	Bar iron	Shearman	2, 4, 6
1019	do	American	Bar iron	Rougher	1, 3, 5
1041	do	American	Bar iron	Heater	3, 5, 6
1050	do	American	Bar iron	Laborer	3, 5, 7
1051	do	American	Bar iron	Laborer	1, 3, 6
1057	do	American	Bar iron	Puddlers' helper	1, 8, 9
1062	do	English	Bar iron	Blacksmith	5, 7, 9
1099	do	Irish	Bar iron	Puddler	3, 11, 13
1100	do	Irish	Bar iron	Heater	2, 4, 6
1817	do	German	Steel	Catcher	2, 4, 6
2198	do	American	Bituminous coal	Miner	2, 5, 8
2209	do	American	Bituminous coal	Miner	1, 3, 6
2214	do	American	Bituminous coal	Miner	1, 7, 9
2242	do	English	Bituminous coal	Miner	2, 4, 8
2253	do	English	Bituminous coal	Miner	1, 2, 4
2257	do	German	Bituminous coal	Miner	1, 4, 6
2259	do	German	Bituminous coal	Teamster	1, 3, 4
2285	do	Swiss	Bituminous coal	Miner	1, 3, 5
3127	do	American	Iron ore	Unloader	4, 6, 13
277	do	American	Pig iron	Filler	1, 4, 6, 8
281	do	American	Pig iron	Stovevan	3, 10, 12, 14
296	do	Bohemian	Pig iron	Cageman	4, 6, 9, 10
298	do	English	Pig iron	Machinist	2, 6, 8, 11
312	do	German	Pig iron	Cinderman	5, 8, 10, 14
313	do	German	Pig iron	Keepers' helper	4, 7, 10, 14
324	do	German	Pig iron	Stable boss	2, 4, 7, 12
325	do	German	Pig iron	Iron carrier	2, 5, 9, 14
331	do	German	Pig iron	Cinder snapper	5, 8, 12, 14
334	do	German	Pig iron	Stock unloader	2, 3, 5, 7
345	do	German	Pig iron	Blacksmith	2, 6, 8, 11
351	do	Irish	Pig iron	Cinder snapper and filler	2, 4, 6, 8
354	do	Irish	Pig iron	Laborer	1, 3, 6, 8
988	do	American	Bar iron	Foreman, stockers	3, 7, 11, 13
1015	do	American	Bar iron	Puddler	3, 5, 10, 12
1026	do	American	Bar iron	Weighmaster	1, 4, 7, 10
1080	do	German	Bar iron	Engineer	1, 4, 8, 10
1105	do	Irish	Bar iron	Drag-out	2, 3, 5, 7
1112	do	Welsh	Bar iron	Puddler	7, 8, 11, 14
2203	do	American	Bituminous coal	Water hauler	2, 4, 6, 8
2213	do	American	Bituminous coal	Miner	2, 5, 8, 12
2233	do	American	Bituminous coal	Foreman, bank	5, 9, 12, 14
2252	do	English	Bituminous coal	Miner	7, 10, 11, 14
2286	do	Swiss	Bituminous coal	Miner	1, 2, 6, 9
3132	do	English	Iron ore	Miner	1, 7, 9, 11
311	do	German	Pig iron	Filler	1, 3, 4, 7, 9
332	do	German	Pig iron	Laborer	2, 3, 5, 7, 10
339	do	German	Pig iron	Trackman	1, 3, 8, 10, 12
358	do	Irish	Pig iron	Engineer	1, 2, 4, 6, 8
1053	do	American	Bar iron	Puddler	2, 4, 7, 8, 10



## CONSUMPTION OF FOOD—Continued.

TABLE a.—DESCRIPTION OF THE FAMILY—Continued.

Ind- get num- ber.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
1070	Ohio	French	Bar iron	Laborer	2, 3, 4, 6, 11
1071	do	French	Bar iron	Shearman	2, 4, 7, 9, 11
1088	do	German	Bar iron	Heaters' helper	2, 5, 7, 10, 12
1093	do	Irish	Bar iron	Heater	2, 6, 9, 10, 14
1106	do	Scotch	Bar iron	Machinist	2, 4, 6, 8, 10
2197	do	American	Bituminous coal	Miner	2, 4, 7, 9, 13
2200	do	American	Bituminous coal	Miner	1, 4, 6, 9, 10
2226	do	American	Bituminous coal	Miner	3, 5, 7, 8, 11
3116	do	American	Iron ore	Miner	2, 3, 5, 6, 9
3134	do	German	Iron ore	Mine boss	3, 6, 8, 10, 13
3139	do	Swiss	Iron ore	Miner	2, 4, 6, 8, 9
364	Pennsylvania	American	Pig iron	Boilortendor	1, 4, 7
373	do	American	Pig iron	Iron budger	6, 8, 11
378	do	American	Pig iron	Laborer	5, 8, 14
379	do	American	Pig iron	Laborer	4, 7, 9
390	do	American	Pig iron	Dumper	3, 5, 8
405	do	American	Pig iron	Helper	1, 2, 4
408	do	American	Pig iron	Iron carrier	1, 5, 9
410	do	American	Pig iron	Keeper	2, 7, 10
411	do	American	Pig iron	Iron carrier	7, 9, 10
421	do	American	Pig iron	Hot-blast man	1, 7, 11
423	do	American	Pig iron	Helper	1, 3, 5
427	do	American	Pig iron	Laborer	1, 2, 3
441	do	American	Pig iron	Cinderman	2, 5, 7
444	do	American	Pig iron	Cinderman	2, 5, 6
455	do	American	Pig iron	Iron carrier	3, 12, 14
463	do	American	Pig iron	Keeper and laborer	2, 4, 8
469	do	American	Pig iron	Laborer	1, 2, 4
481	do	American	Pig iron	Filler	1, 7, 11
494	do	American	Pig iron	Laborer	2, 3, 8
502	do	American	Pig iron	Iron carrier	1, 3, 5
509	do	American	Pig iron	Hot-blast man	8, 10, 13
513	do	American	Pig iron	Filler	1, 7, 10
515	do	American	Pig iron	Filler	1, 4, 5
517	do	American	Pig iron	Filler	1, 6, 8
535	do	American	Pig iron	Fireman	1, 3, 6
541	do	American	Pig iron	Fireman	1, 4, 6
552	do	American	Pig iron	Iron carrier	3, 7, 9
562	do	American	Pig iron	Laborer	1, 3, 7
587	do	American	Pig iron	Carpenter	2, 7, 11
589	do	German	Pig iron	Foreman, laborers	6, 9, 12
598	do	German	Pig iron	Filler	2, 3, 11
007	do	Irish	Pig iron	Helper	2, 3, 6
610	do	Irish	Pig iron	Laborer	3, 10, 12
629	do	Irish	Pig iron	Laborer	1, 3, 5
638	do	Irish	Pig iron	Filler	1, 2, 4
650	do	Irish	Pig iron	Filler	1, 2, 6
661	do	Irish	Pig iron	Laborer	1, 3, 5
1134	do	American	Bar iron	Stocker	2, 5, 12
1136	do	American	Bar iron	Stoveman	5, 7, 9
1138	do	American	Bar iron	Laborer	1, 3, 6
1147	do	American	Bar iron	Puddler	6, 10, 12
1150	do	American	Bar iron	Pnddlers' helper	1, 4, 10
1153	do	American	Bar iron	Screwman	1, 2, 4
1168	do	American	Bar iron	Puddler	2, 4, 7
1172	do	American	Bar iron	Carpenter	4, 5, 10
1180	do	American	Bar iron	Screwman	2, 4, 8
1181	do	American	Bar iron	Blacksmith	4, 9, 12
1185	do	American	Bar iron	Heater	2, 8, 9
1187	do	American	Bar iron	Shearman	1, 4, 6
1189	do	American	Bar iron	Blacksmith	2, 4, 10
1190	do	American	Bar iron	Blacksmiths' helper	5, 10, 13
1200	do	American	Bar iron	Helper	2, 5, 10
1203	do	American	Bar iron	Laborer	3, 10, 12
1212	do	American	Bar iron	Shearman	3, 5, 8
1214	do	American	Bar iron	Stocker	1, 2, 6
1222	do	American	Bar iron	Engineer	2, 6, 9
1224	do	American	Bar iron	Heater	2, 4, 10
1238	do	American	Bar iron	Puddlor	2, 5, 7
1246	do	American	Bar iron	Roller	2, 4, 8
1247	do	American	Bar iron	Roller	4, 8, 10
1250	do	American	Bar iron	Stocker	1, 4, 9
1254	do	American	Bar iron	Heater	2, 3, 5
1260	do	American	Bar iron	Helper	1, 4, 7
1261	do	American	Bar iron	Helper	6, 10, 12
1264	do	American	Bar iron	Helper	1, 2, 3
1274	do	English	Bar iron	Heater	1, 5, 9

## CONSUMPTION OF FOOD—Continued.

TABLE 2.—DESCRIPTION OF THE FAMILY—Continued.

Ind- get num- ber.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
1276	Pennsylvania.	English.	Bar iron.	Helper.	1, 3, 4
1322	do.	German.	Bar iron.	Laborer.	3, 7, 11
1327	do.	Irish.	Bar iron.	Woighman.	5, 8, 12
1337	do.	Irish.	Bar iron.	Laborer.	3, 6, 8
1344	do.	Irish.	Bar iron.	Heater.	1, 3, 5
1384	do.	Irish.	Bar iron.	Laborer.	7, 12, 13
1386	do.	Italian.	Bar iron.	Laborer.	6, 10, 13
1388	do.	Polish.	Bar iron.	Catcher.	2, 6, 8
1391	do.	Scotch.	Bar iron.	Roller.	1, 2, 7
1401	do.	Welsh.	Bar iron.	Helper.	3, 8, 10
1837	do.	American.	Steel.	Helper.	2, 10, 12
1850	do.	American.	Steel.	Helper.	1, 2, 4
1859	do.	Canadian.	Steel.	Laborer.	5, 10, 13
1865	do.	English.	Steel.	Gasmaker.	2, 3, 6
2320	do.	American.	Bituminous coal.	Driver.	1, 4, 9
2323	do.	American.	Bituminous coal.	Miner.	7, 9, 11
2358	do.	American.	Bituminous coal.	Miner.	1, 4, 7
2360	do.	American.	Bituminous coal.	Weighmaster.	1, 3, 5
2367	do.	American.	Bituminous coal.	Miner.	1, 2, 4
2370	do.	Belgian.	Bituminous coal.	Miner.	2, 5, 6
2371	do.	Danish.	Bituminous coal.	Miner.	1, 5, 6
2384	do.	English.	Bituminous coal.	Miner.	2, 10, 13
2388	do.	English.	Bituminous coal.	Miner.	4, 10, 13
2394	do.	English.	Bituminous coal.	Miner.	1, 5, 7
2423	do.	English.	Bituminous coal.	Miner.	2, 4, 6
2427	do.	English.	Bituminous coal.	Miner.	2, 6, 9
2433	do.	English.	Bituminous coal.	Miner.	3, 8, 11
2451	do.	German.	Bituminous coal.	Laborer.	2, 4, 6
2458	do.	German.	Bituminous coal.	Driver and laborer.	1, 3, 5
2471	do.	German.	Bituminous coal.	Miner.	1, 4, 8
2489	do.	German.	Bituminous coal.	Miner.	1, 2, 4
2496	do.	Hungarian.	Bituminous coal.	Miner.	2, 10, 12
2497	do.	Hungarian.	Bituminous coal.	Miner.	6, 8, 12
2526	do.	Scotch.	Bituminous coal.	Miner.	1, 3, 5
2592	do.	Welsh.	Bituminous coal.	Miner.	2, 6, 9
2832	do.	American.	Coke.	Drawer.	1, 3, 4
2839	do.	American.	Coke.	Carpenter.	2, 4, 10
2840	do.	American.	Coke.	Tippelman.	2, 12, 14
2841	do.	American.	Coke.	Drawer.	1, 2, 7
2847	do.	American.	Coke.	Laborer.	8, 11, 14
2859	do.	American.	Coke.	Drawer.	2, 6, 10
2872	do.	American.	Coke.	Drawer.	1, 4, 5
2877	do.	American.	Coke.	Drawer.	2, 3, 7
2878	do.	American.	Coke.	Drawer.	2, 4, 8
2879	do.	American.	Coke.	Drawer.	8, 11, 14
2883	do.	American.	Coke.	Forker.	5, 8, 12
2905	do.	French.	Coke.	Drawer.	1, 5, 6
2920	do.	German.	Coke.	Laborer.	1, 3, 5
2921	do.	German.	Coke.	Pitman.	3, 5, 11
2943	do.	German.	Coke.	Forker.	3, 7, 10
2944	do.	German.	Coke.	Drawer.	2, 4, 7
2955	do.	Irish.	Coke.	Drawer.	4, 6, 8
2957	do.	Irish.	Coke.	Drawer.	2, 5, 7
2961	do.	Irish.	Coke.	Leveller.	2, 3, 5
2962	do.	Irish.	Coke.	Drawer.	1, 3, 5
2967	do.	Irish.	Coke.	Drawer.	1, 3, 4
2991	do.	Irish.	Coke.	Drawer.	1, 3, 5
3004	do.	Polish.	Coke.	Drawer.	1, 5, 8
3006	do.	Polish.	Coke.	Drawer.	4, 7, 9
3012	do.	Polish.	Coke.	Drawer.	1, 2, 4
3013	do.	Polish.	Coke.	Drawer.	6, 8, 10
3150	do.	American.	Iron ore.	Engineer.	1, 3, 6
3155	do.	American.	Iron ore.	Laborer.	7, 12, 14
3174	do.	American.	Iron ore.	Engineer.	5, 7, 9
3202	do.	American.	Iron ore.	Laborer.	2, 5, 9
3208	do.	American.	Iron ore.	Miner.	7, 8, 11
3368	do.	American.	Pig iron.	Clad snapper.	1, 4, 7, 10
372	do.	American.	Pig iron.	Foreman.	1, 5, 8, 10
384	do.	American.	Pig iron.	Iron handler.	1, 3, 6, 10
428	do.	American.	Pig iron.	Shipper.	3, 5, 7, 8
437	do.	American.	Pig iron.	Filler.	2, 4, 6, 10
439	do.	American.	Pig iron.	Laborer.	4, 6, 8, 10
472	do.	American.	Pig iron.	Laborer.	1, 2, 5, 12
491	do.	American.	Pig iron.	Keeper.	1, 2, 5, 8
518	do.	American.	Pig iron.	Filler.	1, 3, 9, 11
519	do.	American.	Pig iron.	Filler.	3, 7, 13, 14
522	do.	American.	Pig iron.	Cinderman and laborer.	3, 8, 10, 13



## CONSUMPTION OF FOOD—Continued.

TABLE a.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
528	Pennsylvania.	American.	Pig iron	Iron carrier	4, 5, 7, 11
537	do	American.	Pig iron	Helper	2, 4, 5, 6
544	do	American.	Pig iron	Founder	4, 6, 8, 10
580	do	American.	Pig iron	Filler	2, 4, 7, 9
588	do	German.	Pig iron	Water tender	4, 11, 13, 14
591	do	German.	Pig iron	Laborer	2, 5, 10, 12
615	do	Irish.	Pig iron	Filler	1, 2, 4, 6
648	do	Irish.	Pig iron	Filler	1, 5, 7, 9
649	do	Irish.	Pig iron	Filler	1, 2, 4, 6
653	do	Irish.	Pig iron	Helper	6, 8, 11, 13
1131	do	American.	Bar iron	Helper	2, 3, 5, 10
1132	do	American.	Bar iron	Helper	1, 2, 3, 5
1139	do	American.	Bar iron	Laborer	4, 10, 12, 14
1162	do	American.	Bar iron	Machinist	2, 5, 6, 8
1170	do	American.	Bar iron	Weighman	5, 8, 12, 13
1206	do	American.	Bar iron	Lever man	1, 5, 6, 8
1213	do	American.	Bar iron	Stocker	3, 9, 11, 12
1235	do	American.	Bar iron	Pnddler	5, 8, 12, 14
1241	do	American.	Bar iron	Pnddler	2, 6, 8, 13
1258	do	American.	Bar iron	Laborer	2, 6, 7, 8
1262	do	American.	Bar iron	Helper	3, 6, 8, 9
1277	do	English.	Bar iron	Laborer	5, 8, 12, 14
1285	do	English.	Bar iron	Rollers' helper	1, 4, 6, 8
1307	do	German.	Bar iron	Foreman	1, 3, 6, 8
1333	do	Irish.	Bar iron	Helper	1, 2, 4, 5
1357	do	Irish.	Bar iron	Engineer	5, 10, 12, 14
1840	do	American.	Steel	Piler	1, 2, 3, 5
1852	do	American.	Steel	Pitman	3, 5, 6, 8
2300	do	German.	Bituminous coal	Miner	7, 9, 11, 13
2302	do	American.	Bituminous coal	Miner	2, 5, 7, 8
2310	do	American.	Bituminous coal	Miner	1, 6, 10, 14
2321	do	American.	Bituminous coal	Miner	3, 6, 11, 13
2336	do	American.	Bituminous coal	Miner	2, 4, 6, 8
2342	do	American.	Bituminous coal	Miner	1, 2, 4, 6
2345	do	American.	Bituminous coal	Miner	5, 8, 10, 12
2347	do	American.	Bituminous coal	Laborer	2, 5, 8, 10
2361	do	American.	Bituminous coal	Miner	1, 4, 9, 12
2369	do	Belgian.	Bituminous coal	Miner	2, 9, 11, 14
2378	do	English.	Bituminous coal	Miner	1, 5, 7, 9
2385	do	English.	Bituminous coal	Miner	7, 10, 13, 14
2392	do	English.	Bituminous coal	Miner	1, 4, 7, 10
2414	do	English.	Bituminous coal	Miner	1, 3, 5, 7
2476	do	German.	Bituminous coal	Miner	7, 9, 11, 14
2482	do	German.	Bituminous coal	Miner	2, 4, 7, 13
2491	do	German.	Bituminous coal	Miner	1, 2, 4, 6
2534	do	Scotch.	Bituminous coal	Miner	1, 3, 5, 9
2561	do	Welsh.	Bituminous coal	Miner	6, 9, 12, 14
2575	do	Welsh.	Bituminous coal	Miner	1, 2, 4, 6
2588	do	Welsh.	Bituminous coal	Miner	1, 3, 5, 7
2593	do	Welsh.	Bituminous coal	Laborer	1, 2, 5, 7
2844	do	American.	Coke	Leveller	2, 3, 8, 12
2849	do	American.	Coke	Foreman	3, 6, 12, 14
2851	do	American.	Coke	Drawer	1, 6, 8, 10
2854	do	American.	Coke	Drawer	5, 8, 10, 14
2858	do	American.	Coke	Carpenter	1, 4, 6, 8
2874	do	American.	Coke	Yardmaster	1, 4, 8, 10
2880	do	American.	Coke	Leveller	3, 5, 7, 8
2891	do	English.	Coke	Drawer	4, 8, 10, 12
2893	do	English.	Coke	Drawer	1, 3, 5, 7
2914	do	German.	Coke	Charger	1, 9, 12, 14
2918	do	German.	Coke	Charger	1, 3, 5, 7
2929	do	German.	Coke	Drawer	1, 3, 5, 9
2937	do	German.	Coke	Yardmaster	2, 5, 7, 12
2941	do	German.	Coke	Foreman	1, 4, 5, 6
2964	do	Irish.	Coke	Leveller	4, 5, 7, 9
2966	do	Irish.	Coke	Drawer	2, 4, 10, 12
2968	do	Irish.	Coke	Drawer	4, 6, 8, 11
2971	do	Irish.	Coke	Charger	2, 5, 6, 9
2973	do	Irish.	Coke	Yardman	1, 2, 3, 5
2974	do	Irish.	Coke	Drawer	1, 4, 6, 8
3163	do	American.	Iron ore	Miner	2, 6, 9, 12
3190	do	American.	Iron ore	Miner	2, 4, 6, 13
3193	do	American.	Iron ore	Laborer	1, 2, 3, 5
3203	do	American.	Iron ore	Miner	2, 6, 10, 11
365	do	American.	Pig iron	Carpenter	2, 5, 7, 9, 11
377	do	American.	Pig iron	Iron budger	3, 7, 9, 11, 13
397	do	American.	Pig iron	Laborer	1, 3, 8, 12, 14



## CONSUMPTION OF FOOD—Continued.

TABLE a.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
435	Pennsylvania.	American.....	Pig iron .....	Bottom builder .....	2, 3, 5, 8, 9
480	do	American.....	Pig iron .....	Filler .....	4, 7, 10, 12, 14
534	do	American.....	Pig iron .....	Cinderman .....	2, 4, 6, 9, 11
596	do	German.....	Pig iron .....	Laborer .....	1, 3, 5, 7, 10
599	do	German.....	Pig iron .....	Filler .....	1, 4, 7, 9, 11
608	do	Irish.....	Pig iron .....	Filler, bottom .....	4, 6, 8, 10, 13
1208	do	American.....	Bar iron .....	Lever man .....	1, 3, 6, 12, 14
1348	do	Irish.....	Bar iron .....	Weighmaster .....	3, 6, 9, 13, 14
1836	do	American.....	Steel.....	Screwman .....	4, 6, 10, 12, 14
1849	do	American.....	Steel.....	Puddler .....	3, 4, 6, 10, 12
2314	do	American.....	Bituminous coal	Miner.....	2, 4, 6, 8, 10
2327	do	American.....	Bituminous coal	Miner.....	1, 3, 5, 7, 12
2387	do	English.....	Bituminous coal	Miner.....	5, 7, 10, 12, 14
2467	do	German.....	Bituminous coal	Miner.....	1, 2, 4, 5, 7
2472	do	German.....	Bituminous coal	Miner.....	1, 2, 8, 10, 12
2566	do	Welsh.....	Bituminous coal	Miner.....	1, 3, 5, 7, 9
2577	do	Welsh.....	Bituminous coal	Miner.....	2, 4, 6, 8, 10
2871	do	American.....	Coke.....	Loader.....	2, 5, 7, 9, 11
2896	do	English.....	Coke.....	Charger and drawer .....	1, 4, 7, 8, 10
2908	do	German.....	Coke.....	Drawer.....	1, 3, 5, 7, 8
2997	do	Italian.....	Coke.....	Drawer.....	1, 2, 4, 6, 8
2998	do	Italian.....	Coke.....	Drawer.....	2, 4, 6, 8, 10
3166	do	American.....	Iron ore .....	Miner.....	4, 6, 8, 10, 13
704	Tennessee	American.....	Pig iron .....	Engineer .....	3, 8, 12
705	do	American.....	Pig iron .....	Keeper .....	1, 5, 8
3016	do	American.....	Coke.....	Drawer.....	4, 8, 10
3018	do	American.....	Coke.....	Forker.....	4, 9, 12
3217	do	American.....	Iron ore .....	Blacksmiths' helper .....	1, 3, 6
723	do	American.....	Pig iron .....	Keepers' helper .....	1, 3, 5, 6
1407	do	American.....	Bar iron .....	Puddler.....	1, 3, 6, 12
3029	do	American.....	Coke.....	Forker.....	1, 3, 6, 8
3030	do	American.....	Coke.....	Drawer.....	7, 9, 10, 12
3223	do	American.....	Iron ore .....	Ore breaker.....	4, 6, 11, 14
3222	do	American.....	Iron ore .....	Miner.....	1, 3, 4, 5, 8
736	Virginia	American.....	Pig iron .....	Yardman .....	1, 2, 4
751	do	American.....	Pig iron .....	Stove tender .....	1, 2, 3
1453	do	English.....	Bar iron .....	Rougher.....	2, 5, 7
2230	do	American.....	Iron ore .....	Miner.....	1, 5, 6
3240	do	American.....	Iron ore .....	Miner.....	1, 4, 7
1423	do	American.....	Bar iron .....	Puddler.....	3, 5, 9, 12
1440	do	American.....	Bar iron .....	Moulder.....	2, 7, 9, 11
1441	do	American.....	Bar iron .....	Moulder.....	1, 2, 6, 8
1445	do	American.....	Bar iron .....	Nail feeder.....	4, 7, 10, 13
1451	do	English.....	Bar iron .....	Yardmaster.....	1, 6, 8, 13
740	do	American.....	Pig iron .....	Filler and unloader .....	1, 2, 4, 5, 6
1433	do	American.....	Bar iron .....	Rougher.....	1, 3, 8, 11, 12
1442	do	American.....	Bar iron .....	Machinist.....	1, 4, 7, 9, 11
757	West Virginia	American.....	Pig iron .....	Foreman.....	2, 3, 6
758	do	German.....	Pig iron .....	Cageman.....	4, 7, 11
1872	do	American.....	Steel.....	Fitter.....	2, 5, 11
1880	do	German.....	Steel.....	Laborer.....	1, 5, 7
2600	do	German.....	Bituminous coal	Pumper.....	1, 4, 7
3036	do	American.....	Coke.....	Drawer.....	1, 5, 7
1891	do	Irish.....	Steel.....	Foreman.....	3, 4, 5, 6
2604	do	Irish.....	Bituminous coal	Blacksmith.....	1, 3, 10, 12
3033	do	American.....	Coke.....	Repairer, oven .....	1, 4, 6, 8
3043	do	American.....	Coke.....	Drawer.....	1, 7, 10, 14
759	do	German.....	Pig iron .....	Iron handler .....	1, 3, 6, 8, 11
760	do	German.....	Pig iron .....	Iron handler .....	2, 4, 7, 9, 11
762	do	Scotch.....	Pig iron .....	Blacksmith.....	2, 5, 6, 9, 12
1470	Belgium	Belgian.....	Bar iron .....	Pipe enter .....	2, 11, 14
1498	do	Belgian.....	Bar iron .....	Straightener.....	2, 5, 8
1510	do	Belgian.....	Bar iron .....	Hammerman.....	4, 6, 8
1516	do	Belgian.....	Bar iron .....	Hooker-up .....	3, 4, 5
1534	do	Belgian.....	Bar iron .....	Master mechanic .....	4, 10, 12
1535	do	Belgian.....	Bar iron .....	Hammerman.....	7, 13, 14
2607	do	Belgian.....	Bituminous coal	Foreman, miners.....	3, 6, 11
765	do	Belgian.....	Pig iron .....	Founder.....	0, 9, 12, 14
1490	do	Belgian.....	Bar iron .....	Puddler.....	1, 3, 9, 12
1508	do	Belgian.....	Bar iron .....	Miner.....	2, 5, 6, 7
1512	do	Belgian.....	Bar iron .....	Puddler.....	3, 6, 8, 14
1513	do	Belgian.....	Bar iron .....	Teamster.....	3, 5, 8, 11
1525	do	Belgian.....	Bar iron .....	Puddler.....	2, 7, 10, 13
1528	do	Belgian.....	Bar iron .....	Puddler.....	7, 10, 12, 14
2608	do	Belgian.....	Bituminous coal	Mine boss.....	5, 7, 12, 14
2614	do	Belgian.....	Bituminous coal	Miner.....	6, 9, 11, 14
1597	do	Belgian.....	Bar iron .....	Machinist.....	3, 5, 7, 9, 11

## CONSUMPTION OF FOOD—Continued.

TABLE a.—DESCRIPTION OF THE FAMILY—Continued.

Bnd- get num- ber.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
1559	France	French	Bar iron	Puddler	4, 6, 8
1562	do	French	Bar iron	Foreman	5, 6, 8
1566	do	French	Bar iron	Steel pourer	3, 6, 10
1557	do	French	Bar iron	Heater	4, 7, 10, 12
1565	do	French	Bar iron	Machinist	2, 5, 8, 14
1585	Germany	German	Bar iron	Unloader	5, 7, 12
1591	do	Polish	Bar iron	Hammersmith	3, 5, 7
1595	do	Polish	Bar iron	Puddler	1, 7, 8
1597	do	Polish	Bar iron	Roller	2, 3, 5
1598	do	Polish	Bar iron	Roller	1, 3, 6
1928	do	Polish	Steel	Hooker	1, 3, 7
3248	do	German	Iron ore	Miner	1, 2, 3
1583	do	German	Bar iron	Puddler	2, 4, 11, 13
1927	do	Polish	Steel	Heater	2, 4, 6, 8
1586	do	Polish	Bar iron	Boiler tender	1, 2, 4, 6, 10
3250	do	German	Iron ore	Miner	1, 3, 5, 7, 11
781	Great Britain	English	Pig iron	Keeper	3, 6, 8
782	do	English	Pig iron	Keeper	5, 7, 12
788	do	English	Pig iron	Slagman	2, 4, 6
796	do	Irish	Pig iron	Keeper	3, 9, 12
799	do	Irish	Pig iron	Filler	2, 4, 6
817	do	Scotch	Pig iron	Iron handler	2, 5, 8
818	do	Scotch	Pig iron	Iron handler	2, 5, 8
820	do	Scotch	Pig iron	Iron handler	2, 5, 7
827	do	Welsh	Pig iron	Filler, coke	3, 4, 6
831	do	Welsh	Pig iron	Laborer	4, 6, 8
1621	do	English	Bar iron	Heater	6, 8, 10
1636	do	English	Bar iron	Dogger	3, 6, 8
1640	do	English	Bar iron	Roller	2, 4, 6
1647	do	English	Bar iron	Tipper	1, 3, 5
1650	do	English	Bar iron	Slagman	5, 8, 10
1667	do	English	Bar iron	Roller	2, 4, 10
1687	do	English	Bar iron	Roller	2, 4, 6
1701	do	Irish	Bar iron	Furnace helper	2, 4, 6
1933	do	English	Steel	Roller	4, 7, 10
1936	do	English	Steel	Patternmaker	1, 3, 5
1946	do	English	Steel	Roll turner	3, 6, 8
1947	do	English	Steel	Rail loader	1, 4, 7
1950	do	English	Steel	Blacksmith	3, 9, 12
1981	do	Irish	Steel	Roller	3, 5, 7
1984	do	Irish	Steel	Wheeler	3, 5, 7
1988	do	Scotch	Steel	Pitman	2, 5, 7
1992	do	Scotch	Steel	Melter	1, 5, 7
1995	do	Scotch	Steel	Melter	1, 3, 5
2018	do	Scotch	Steel	Roller	4, 6, 8
2022	do	Scotch	Steel	Melter	1, 3, 5
2026	do	Scotch	Steel	Furnace helper	2, 5, 7
2028	do	Scotch	Steel	Furnace helper	2, 5, 8
2030	do	Scotch	Steel	Buggyman	5, 8, 11
2048	do	Scotch	Steel	Shearman	2, 5, 7
2054	do	Scotch	Steel	Hooker	3, 5, 8
2056	do	Scotch	Steel	Furnace helper	8, 10, 12
2058	do	Scotch	Steel	Forker	2, 5, 7
2067	do	Scotch	Steel	Stock taker	1, 4, 6
2633	do	English	Bituminous coal	Bank man	6, 8, 10
2636	do	English	Bituminous coal	Screenner	1, 4, 7
2637	do	English	Bituminous coal	Inclined-plane man	1, 4, 6
2649	do	English	Bituminous coal	Miner	3, 5, 9
2662	do	English	Bituminous coal	Engineer	3, 5, 7
2666	do	English	Bituminous coal	Bank man	4, 6, 8
2678	do	English	Bituminous coal	Carpenter	1, 2, 4
2687	do	English	Bituminous coal	Fireman	4, 6, 9
2690	do	English	Bituminous coal	Laborer	1, 6, 7
2692	do	English	Bituminous coal	Laborer, yard	2, 6, 9
2694	do	English	Bituminous coal	Lampman	8, 10, 12
2696	do	English	Bituminous coal	Machinist	2, 4, 6
2714	do	English	Bituminous coal	Bye workman	4, 8, 12
2719	do	English	Bituminous coal	Laborer	8, 10, 13
2724	do	English	Bituminous coal	Inclined-plane man	1, 3, 5
2725	do	English	Bituminous coal	Filler	1, 3, 5
2746	do	English	Bituminous coal	Miner	5, 8, 11
2751	do	English	Bituminous coal	Roadman	1, 3, 5
2762	do	English	Bituminous coal	Roadman	2, 4, 6
2763	do	Welsh	Bituminous coal	Mason	1, 5, 7
2769	do	Welsh	Bituminous coal	Miner	3, 7, 8
3070	do	English	Coke	Burner	1, 3, 5
777	do	English	Pig iron	Engineer, blowing	2, 4, 8, 10



## CONSUMPTION OF FOOD—Continued.

TABLE a.—DESCRIPTION OF THE FAMILY—Concluded.

Budget number.	State.	Pertaining to the father.			Ages of children.
		Nationality.	Industry.	Occupation.	
783	Great Britain.	English.	Pig iron	Keeper	1, 3, 6, 8
789	do	English.	Pig iron	Slagman	3, 5, 7, 9
801	do	Scotch	Pig iron	Filler	4, 7, 9, 12
802	do	Scotch	Pig iron	Filler	2, 5, 7, 10
804	do	Scotch	Pig iron	Filler	3, 6, 9, 12
805	do	Scotch	Pig iron	Keeper	2, 5, 8, 10
811	do	Scotch	Pig iron	Keeper	2, 5, 7, 10
823	do	Welsh	Pig iron	Fitter	2, 5, 7, 14
1602	do	English.	Bar iron	Bricklayer	1, 3, 5, 9
1603	do	English.	Bar iron	Stock taker	1, 3, 5, 6
1611	do	English.	Bar iron	Furnace helper	2, 5, 8, 11
1656	do	English.	Bar iron	Roller	2, 4, 6, 8
1665	do	English.	Bar iron	Roller	6, 9, 11, 13
1671	do	English.	Bar iron	Furnace helper	5, 6, 9, 14
1681	do	English.	Bar iron	Roller	1, 3, 7, 9
1684	do	English.	Bar iron	Roller	4, 7, 9, 12
1934	do	English.	Steel	Roller	3, 5, 8, 11
1941	do	English.	Steel	Converterman	3, 5, 7, 9
1958	do	English.	Steel	Laborer	6, 9, 10, 14
1963	do	English.	Steel	Laborer	2, 5, 7, 9
1996	do	Scotch	Steel	Melter	2, 4, 6, 8
1997	do	Scotch	Steel	Melter	1, 3, 5, 8
2002	do	Scotch	Steel	Gasman	2, 4, 6, 8
2023	do	Scotch	Steel	Forker	4, 7, 9, 11
2051	do	Scotch	Steel	Breaker-down	3, 6, 9, 11
2053	do	Scotch	Steel	Melter	2, 4, 7, 9
2065	do	Scotch	Steel	Heater	2, 5, 8, 10
2074	do	Welsh	Steel	Vesselman	2, 7, 10, 14
2638	do	English.	Bituminous coal	Miner	1, 4, 6, 8
2652	do	English.	Bituminous coal	Laborer	1, 3, 5, 6
2660	do	English.	Bituminous coal	Flue cleaner	6, 8, 10, 13
2669	do	English.	Bituminous coal	Blacksmith	3, 5, 7, 9
2673	do	English.	Bituminous coal	Foreman, blacksmiths	6, 9, 11, 13
2674	do	English.	Bituminous coal	Bricklayer	6, 9, 13, 14
2675	do	English.	Bituminous coal	Carpenter	5, 7, 9, 11
2680	do	English.	Bituminous coal	Carpenter	1, 3, 7, 10
2693	do	English.	Bituminous coal	Lampman	1, 7, 8, 11
2704	do	English.	Bituminous coal	Screenner	1, 6, 9, 11
2708	do	English.	Bituminous coal	Screenner	1, 4, 7, 10
2712	do	English.	Bituminous coal	Watchman	1, 2, 4, 6
2720	do	English.	Bituminous coal	Deputy overman	3, 5, 8, 10
2731	do	English.	Bituminous coal	Miner	4, 11, 13, 14
2741	do	English.	Bituminous coal	Miner	7, 9, 11, 14
2745	do	English.	Bituminous coal	Miner	1, 5, 8, 10
2768	do	Welsh	Bituminous coal	Miner	1, 3, 6, 9
2792	do	Welsh	Bituminous coal	Miner	3, 5, 9, 10
2797	do	Welsh	Bituminous coal	Miner	3, 6, 8, 10
3071	do	English.	Coke	Stoker	4, 8, 10, 12
826	do	Welsh	Pig iron	Filler	4, 6, 8, 10, 12
1653	do	English.	Bar iron	Shingler	3, 6, 9, 11, 13
1655	do	English.	Bar iron	Shingler	3, 6, 8, 10, 12
1657	do	English.	Bar iron	Shoorman	3, 6, 9, 11, 13
1663	do	English.	Bar iron	Hammerman	4, 6, 8, 12, 14
1686	do	English.	Bar iron	Laborer	2, 6, 0, 12, 14
1692	do	Irish	Bar iron	Keeper	2, 4, 8, 10, 13
1940	do	English.	Steel	Patternmaker	3, 5, 8, 11, 13
1949	do	English.	Steel	Fireman, locomotive	1, 4, 6, 9, 11
1968	do	English.	Steel	Blower	2, 7, 8, 9, 12
1982	do	Irish	Steel	Gasman	1, 3, 5, 7, 9
1999	do	Scotch	Steel	Melter	2, 5, 9, 11, 13
2000	do	Scotch	Steel	Melter	2, 4, 6, 10, 12
2003	do	Scotch	Steel	Pitman	2, 5, 7, 10, 12
2007	do	Scotch	Steel	Melter	2, 4, 7, 9, 11
2020	do	Scotch	Steel	Roller	5, 7, 10, 12, 14
2059	do	Scotch	Steel	Shingler	3, 5, 7, 11, 13
2068	do	Scotch	Steel	Heater	3, 5, 7, 12, 14
2072	do	Scotch	Steel	Fitter	4, 5, 7, 10, 14
2644	do	English.	Bituminous coal	Miner	7, 9, 11, 13, 14
2647	do	English.	Bituminous coal	Hostler	5, 7, 11, 12, 14
2668	do	English.	Bituminous coal	Bank man	2, 6, 9, 11, 13
2676	do	English.	Bituminous coal	Carpenter	3, 5, 7, 10, 12
2681	do	English.	Bituminous coal	Engineer, locomotive	1, 5, 7, 11, 13
2683	do	English.	Bituminous coal	Engineman, fan	1, 3, 6, 9, 11
2686	do	English.	Bituminous coal	Engineman, winding	5, 7, 9, 11, 13
2726	do	English.	Bituminous coal	Miner	1, 4, 6, 9, 11



## CONSUMPTION OF FOOD—Continued.

TABLE b.—UNITS OF CONSUMPTION PER FAMILY.

The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.
9	Alabama	3	285	2168	Indiana	4	325	324	Ohio	4	410
18	do	3	285	2177	do	5	485	325	do	4	410
51	do	3	415	220	New York	3	445	331	do	4	485
61	do	3	395	238	do	3	260	334	do	4	335
62	do	3	360	243	do	3	260	345	do	4	410
63	do	3	370	974	do	3	320	351	do	4	360
69	do	3	260	981	do	3	260	354	do	4	335
109	do	3	395	1764	do	3	395	988	do	4	460
117	do	3	285	1771	do	3	380	1015	do	4	410
118	do	3	430	1775	do	3	260	1026	do	4	395
143	do	3	320	1808	do	3	320	1080	do	4	395
847	do	3	285	2087	do	3	260	1105	do	4	335
852	do	3	295	3106	do	3	285	1112	do	4	520
873	do	3	310	212	do	4	335	2203	do	4	360
876	do	3	320	217	do	4	300	2213	do	4	410
1713	do	3	380	222	do	4	275	2233	do	4	485
2103	do	3	320	245	do	4	385	2252	do	4	520
2115	do	3	320	250	do	4	300	2286	do	4	335
2117	do	3	430	257	do	4	300	3132	do	4	445
2128	do	3	445	263	do	4	460	311	do	5	410
2129	do	3	260	965	do	4	460	332	do	5	410
2143	do	3	335	1753	do	4	360	339	do	5	460
2144	do	3	285	1754	do	4	350	358	do	5	375
2151	do	3	260	1755	do	4	395	1053	do	5	470
2801	do	3	395	1769	do	4	335	1070	do	5	390
2815	do	3	380	1787	do	4	395	1071	do	5	485
2825	do	3	380	1783	do	4	335	1088	do	5	485
8	do	4	395	1798	do	4	385	1093	do	5	485
32	do	4	410	1810	do	4	335	1106	do	5	435
46	do	4	395	3081	do	4	360	2197	do	5	485
64	do	4	485	3110	do	4	300	2200	do	5	435
98	do	4	335	237	do	5	425	2226	do	5	485
101	do	4	420	1756	do	5	315	3116	do	5	375
110	do	4	470	1813	do	5	410	3134	do	5	485
111	do	4	395	3091	do	5	450	3139	do	5	435
114	do	4	535	3113	do	5	485	361	Pennsylvania	3	320
123	do	4	470	279	Ohio	3	320	373	do	3	395
133	do	4	435	287	do	3	285	378	do	3	395
865	do	4	420	288	do	3	320	379	do	3	380
2102	do	4	445	297	do	3	260	390	do	3	320
2121	do	4	335	306	do	3	320	405	do	3	260
2122	do	4	335	307	do	3	260	408	do	3	320
2132	do	4	410	308	do	3	260	410	do	3	355
2136	do	4	335	309	do	3	445	411	do	3	415
2153	do	4	360	319	do	3	260	421	do	3	370
2814	do	4	300	327	do	3	320	423	do	3	260
2822	do	4	375	330	do	3	445	427	do	3	285
47	do	5	400	344	do	3	285	441	do	3	320
59	do	5	410	1001	do	3	260	444	do	3	285
80	do	5	470	1004	do	3	285	453	do	3	385
861	do	5	465	1016	do	3	285	463	do	3	320
864	do	5	500	1019	do	3	260	469	do	3	260
2104	do	5	390	1041	do	3	285	481	do	3	370
2800	do	5	465	1050	do	3	320	494	do	3	295
145	Georgia	3	260	1051	do	3	260	502	do	3	260
162	do	4	425	1057	do	3	855	509	do	3	430
163	do	4	300	1062	do	3	380	513	do	3	355
180	Illinois	3	395	1099	do	3	385	515	do	3	285
207	do	3	430	1100	do	3	285	517	do	3	320
208	do	3	445	1817	do	3	285	535	do	3	260
920	do	3	345	2198	do	3	285	541	do	3	285
943	do	3	380	2209	do	3	260	552	do	3	355
1721	do	3	260	2214	do	3	355	562	do	3	295
1728	do	3	285	2242	do	3	320	587	do	3	370
1733	do	3	285	2253	do	3	260	589	do	3	395
181	do	5	485	2257	do	3	285	598	do	3	310
907	do	5	410	2259	do	3	260	607	do	3	260
919	do	5	435	2285	do	3	260	610	do	3	370
938	do	5	450	3127	do	3	360	629	do	3	260
1720	do	5	425	277	do	4	360	636	do	3	260
1744	do	5	410	281	do	4	460	650	do	3	260
2159	Indiana	3	320	296	do	4	420	661	do	3	260
2187	do	3	380	298	do	4	410	1134	do	3	335
2188	do	3	370	312	do	4	470	1136	do	3	380
2162	do	4	395	313	do	4	470	1138	do	3	230

## CONSUMPTION OF FOOD—Continued.

TABLE B.—UNITS OF CONSUMPTION PER FAMILY—Continued.

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.
1147	Pennsylvania.	3	395	2943	Pennsylvania.	3	355	2575	Pennsylvania.	4	300
1150	do	3	320	2944	do	3	320	2588	do	4	335
1153	do	3	260	2955	do	3	345	2593	do	4	335
1168	do	3	320	2957	do	3	320	2844	do	4	410
1172	do	3	345	2961	do	3	260	2849	do	4	425
1180	do	3	320	2962	do	3	260	2851	do	4	395
1181	do	3	395	2967	do	3	260	2854	do	4	470
1185	do	3	355	2991	do	3	260	2858	do	4	360
1187	do	3	285	3004	do	3	320	2874	do	4	395
1189	do	3	320	3006	do	3	380	2880	do	4	395
1190	do	3	395	3012	do	3	260	2891	do	4	470
1200	do	3	320	3013	do	3	380	2893	do	4	335
1203	do	3	370	3150	do	3	260	2914	do	4	460
1212	do	3	320	3155	do	3	445	2918	do	4	335
1214	do	3	260	3174	do	3	380	2929	do	4	335
1222	do	3	320	3202	do	3	320	2937	do	4	410
1224	do	3	320	3208	do	3	430	2941	do	4	325
1238	do	3	320	368	do	4	395	2964	do	4	420
1246	do	3	320	372	do	4	395	2966	do	4	410
1247	do	3	380	384	do	4	335	2968	do	4	435
1250	do	3	320	428	do	4	395	2971	do	4	360
1254	do	3	260	437	do	4	360	2973	do	4	275
1260	do	3	320	439	do	4	420	2974	do	4	360
1261	do	3	395	472	do	4	350	3163	do	4	410
1264	do	3	235	491	do	4	335	3190	do	4	375
1274	do	3	320	518	do	4	385	3193	do	4	275
1276	do	3	260	519	do	4	460	3203	do	4	410
1322	do	3	370	522	do	4	445	365	do	5	485
1327	do	3	395	528	do	4	435	377	do	5	535
1337	do	3	320	537	do	4	325	397	do	5	475
1344	do	3	260	544	do	4	420	435	do	5	410
1344	do	3	445	580	do	4	395	480	do	5	560
1386	do	3	395	588	do	4	500	534	do	5	450
1388	do	3	320	591	do	4	410	596	do	5	410
1391	do	3	295	615	do	4	300	599	do	5	485
1401	do	3	355	648	do	4	395	608	do	5	510
1837	do	3	370	649	do	4	300	1208	do	5	440
1850	do	3	260	653	do	4	485	1343	do	5	500
1859	do	3	395	1131	do	4	335	1836	do	5	525
1865	do	3	260	1132	do	4	275	1849	do	5	450
2320	do	3	320	1139	do	4	485	2314	do	5	435
2323	do	3	430	1162	do	4	360	2327	do	5	425
2358	do	3	370	1170	do	4	485	2387	do	5	560
2360	do	3	260	1206	do	4	360	2467	do	5	375
2367	do	3	260	1213	do	4	460	2472	do	5	460
2370	do	3	285	1235	do	4	485	2566	do	5	410
2371	do	3	285	1241	do	4	410	2577	do	5	435
2384	do	3	370	1258	do	4	395	2871	do	5	435
2388	do	3	395	1262	do	4	395	2896	do	5	470
2394	do	3	320	1277	do	4	485	2908	do	5	410
2423	do	3	285	1285	do	4	360	2997	do	5	375
2427	do	3	320	1307	do	4	335	2998	do	5	435
2433	do	3	370	1333	do	4	300	3166	do	5	510
2451	do	3	285	1357	do	4	485	704	Tennessee	3	370
2458	do	3	260	1840	do	4	275	705	do	3	320
2471	do	3	320	1852	do	4	360	3016	do	3	380
2489	do	3	260	2300	do	4	520	3018	do	3	395
2496	do	3	370	2302	do	4	395	3217	do	3	260
2497	do	3	395	2310	do	4	410	723	do	4	300
2526	do	3	260	2321	do	4	425	1407	do	4	350
2592	do	3	320	2336	do	4	360	3029	do	4	335
2832	do	3	260	2342	do	4	300	3030	do	4	505
2839	do	3	320	2345	do	4	470	3223	do	4	450
2840	do	3	385	2347	do	4	395	3222	do	5	375
2841	do	3	295	2361	do	4	410	736	Virginia	3	260
2847	do	3	445	2369	do	4	460	751	do	3	235
2859	do	3	320	2378	do	4	395	1453	do	3	320
2872	do	3	285	2385	do	4	520	3230	do	3	285
2877	do	3	295	2392	do	4	395	3240	do	3	320
2878	do	3	320	2414	do	4	335	1423	do	4	410
2879	do	3	445	2476	do	4	520	1440	do	4	445
2883	do	3	395	2482	do	4	410	1441	do	4	335
2905	do	3	285	2491	do	4	300	1445	do	4	470
2920	do	3	260	2534	do	4	335	1451	do	4	410
2921	do	3	335	2561	do	4	485	740	do	5	340



## CONSUMPTION OF FOOD—Continued.

TABLE b.—UNITS OF CONSUMPTION PER FAMILY—Concluded.

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.
1433	Virginia .....	5	500	1650	Great Britain.	3	380	1684	Great Britain.	4	470
1442	do .....	5	485	1667	do .....	3	320	1934	do .....	4	410
757	West Virginia	3	260	1687	do .....	3	285	1941	do .....	4	395
758	do .....	3	395	1701	do .....	3	285	1958	do .....	4	470
1872	do .....	3	335	1933	do .....	3	380	1963	do .....	4	395
1880	do .....	3	320	1936	do .....	3	260	1996	do .....	4	360
2600	do .....	3	320	1946	do .....	3	320	1997	do .....	4	335
3036	do .....	3	320	1947	do .....	3	320	2002	do .....	4	360
1891	do .....	4	325	1950	do .....	3	370	2023	do .....	4	470
2604	do .....	4	385	1981	do .....	3	320	2051	do .....	4	410
3033	do .....	4	360	1984	do .....	3	320	2053	do .....	4	395
3043	do .....	4	445	1988	do .....	3	320	2065	do .....	4	395
759	do .....	5	425	1992	do .....	3	320	2074	do .....	4	445
760	do .....	5	485	1995	do .....	3	260	2638	do .....	4	360
762	do .....	5	450	2018	do .....	3	345	2652	do .....	4	300
1470	Belgium .....	3	385	2022	do .....	3	260	2660	do .....	4	470
1493	do .....	3	320	2026	do .....	3	320	2669	do .....	4	395
1510	do .....	3	345	2028	do .....	3	320	2673	do .....	4	485
1516	do .....	3	285	2030	do .....	3	395	2674	do .....	4	485
1534	do .....	3	395	2048	do .....	3	320	2675	do .....	4	470
1535	do .....	3	445	2054	do .....	3	320	2680	do .....	4	370
2607	do .....	3	335	2056	do .....	3	430	2693	do .....	4	445
765	do .....	4	485	2058	do .....	3	320	2704	do .....	4	410
1490	do .....	4	385	2067	do .....	3	285	2708	do .....	4	395
1508	do .....	4	360	2633	do .....	3	380	2712	do .....	4	300
1512	do .....	4	410	2636	do .....	3	320	2720	do .....	4	395
1513	do .....	4	410	2637	do .....	3	285	2731	do .....	4	500
1525	do .....	4	445	2649	do .....	3	320	2741	do .....	4	520
1528	do .....	4	520	2662	do .....	3	320	2745	do .....	4	395
2608	do .....	4	485	2666	do .....	3	345	2768	do .....	4	335
2614	do .....	4	485	2678	do .....	3	260	2792	do .....	4	395
1507	do .....	5	485	2687	do .....	3	345	2797	do .....	4	395
1559	France .....	3	345	2690	do .....	3	320	3071	do .....	4	470
1562	do .....	3	345	2692	do .....	3	320	826	do .....	5	510
1566	do .....	3	320	2694	do .....	3	430	1653	do .....	5	500
1557	do .....	4	470	2696	do .....	3	285	1655	do .....	5	485
1565	do .....	4	410	2714	do .....	3	395	1657	do .....	5	500
1585	Germany .....	3	395	2719	do .....	3	430	1663	do .....	5	525
1591	do .....	3	320	2724	do .....	3	260	1686	do .....	5	500
1595	do .....	3	355	2725	do .....	3	260	1692	do .....	5	485
1597	do .....	3	260	2746	do .....	3	395	1940	do .....	5	500
1598	do .....	3	260	2751	do .....	3	260	1949	do .....	5	450
1928	do .....	3	295	2752	do .....	3	285	1968	do .....	5	520
3248	do .....	3	235	2763	do .....	3	320	1982	do .....	5	410
1583	do .....	4	425	2769	do .....	3	355	1999	do .....	5	500
1927	do .....	4	360	3070	do .....	3	260	2000	do .....	5	450
1586	do .....	5	375	777	do .....	4	395	2003	do .....	5	485
3250	do .....	5	425	783	do .....	4	335	2007	do .....	5	485
781	Great Britain.	3	320	789	do .....	4	395	2020	do .....	5	500
782	do .....	3	395	801	do .....	4	470	2059	do .....	5	500
788	do .....	3	285	802	do .....	4	395	2008	do .....	5	500
796	do .....	3	370	804	do .....	4	410	2072	do .....	5	510
799	do .....	3	285	805	do .....	4	395	2644	do .....	5	610
817	do .....	3	320	811	do .....	4	395	2617	do .....	5	575
818	do .....	3	320	823	do .....	4	410	2668	do .....	5	500
820	do .....	3	320	1602	do .....	4	335	2676	do .....	5	485
827	do .....	3	285	1603	do .....	4	300	2681	do .....	5	500
831	do .....	3	345	1611	do .....	4	435	2083	do .....	5	425
1621	do .....	3	380	1656	do .....	4	360	2686	do .....	5	560
1636	do .....	3	320	1665	do .....	4	485	2728	do .....	5	450
1640	do .....	3	285	1671	do .....	4	435				
1647	do .....	3	260	1681	do .....	4	370				



## CONSUMPTION OF FOOD—Continued.

TABLE c.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Budget number.	State.	Number of children.	Quantity used per 100 units of consumption.								
			Potatoes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
9	Alabama	3	4.21		21.05	56.14		10.53		17.54	.70
18	do	3	2.11			63.16		7.02	275.09	17.54	2.11
51	do	3	4.34		4.82	36.14		7.23		12.05	
61	do	3	2.53		5.06	8.86		5.06	248.10	16.20	
62	do	3	2.50	66.67	20.00	26.67		5.00		11.67	
63	do	3	1.62	62.16	12.97	40.54		8.11		12.97	
69	do	3	5.38	69.23	19.23	46.15		13.46	376.92		
109	do	3	1.52		7.59	35.44		3.80		7.59	1.01
117	do	3	.70			35.00		7.02		16.84	.70
118	do	3	2.33		2.33	27.91		6.98	273.49		2.09
143	do	3	.04		9.38	59.88		1.88	245.00	7.81	6.25
847	do	3	3.51	87.72	33.68	49.12				31.58	2.11
852	do	3	5.42	50.85	23.73	40.68		10.17		13.56	
873	do	3	7.74	48.89	4.84	45.16		4.84		30.97	1.29
876	do	3	6.25	93.75	15.63	31.25		15.63		3.75	7.50
1713	do	3	1.05		.79	31.58		7.89	257.89	3.16	.79
2103	do	3	4.38	78.13		46.88			367.50	15.63	
2115	do	3		93.75	12.50	21.88			367.50	1.88	
2117	do	3		37.21	.93	27.91		8.14		11.16	.70
2128	do	3	3.15	44.94	20.22	22.47		8.99	220.22	11.24	2.70
2129	do	3	2.31	61.54	3.03	69.23		13.46	376.92	18.46	.77
2143	do	3	5.07		14.93	29.85			351.04	4.18	7.76
2144	do	3	3.51	140.35	4.21	49.12		17.54	412.63	9.12	9.12
2151	do	3	1.15	192.31	34.62	78.92		15.33	452.31	1.15	10.77
2801	do	3	.78	50.63	7.59	50.63		10.13		3.04	1.52
2815	do	3	1.05	42.11	3.95	31.58		7.89		13.16	.79
2825	do	3	1.58	39.47	1.05	31.58		10.53		12.63	.53
8	do	4	2.53		.76	43.04		3.04		15.19	
32	do	4	3.66		12.20	43.99		6.10	286.83	9.76	2.93
46	do	4	4.05		5.06	48.10		7.50	248.10	10.13	.25
64	do	4	.41		30.93	39.18		5.15	484.95	6.19	
98	do	4	1.19		1.79	26.87		5.97		14.93	
101	do	4	1.43		.95	35.71		7.14		11.43	1.43
110	do	4			1.28	26.60		4.26		5.96	.85
111	do	4	3.04		22.78	31.05		15.19	272.91	22.78	.51
114	do	4	1.50		3.36	37.88		7.48		8.97	
123	do	4	1.28		2.13	21.28		4.26		10.21	
133	do	4	1.38		10.00	32.13		6.90		20.69	1.38
865	do	4	2.38	38.10	11.90	30.95		7.14	280.00	9.52	1.43
2102	do	4	1.35	44.04	1.35	31.46		6.74	528.54	8.99	
2121	do	4	3.58	59.70		40.80		7.46	292.54	14.33	.90
2122	do	4	1.79	59.70		29.85		7.46	292.54	14.33	
2132	do	4	1.46	39.02		24.39		7.32	239.02	17.07	.73
2136	do	4	3.58		8.06	37.31		11.94		14.33	
2153	do	4	3.83	83.33	19.44	16.67		8.33	326.67		7.22
2814	do	4	2.00	116.67	16.67	50.00		10.00		9.83	
2822	do	4	2.67			33.33			313.60	20.00	1.60
47	do	5	4.00	72.50	22.50	32.50		5.00	284.00	21.00	
59	do	5			21.95	46.84		4.88	286.83	9.76	
80	do	5	2.55		5.32	21.28		10.64	250.21	6.38	.43
861	do	5	4.30		32.26	25.81		4.30	295.05	21.51	3.87
864	do	5	4.00	60.00	4.00	36.00		6.00	235.20	10.00	2.40
2104	do	5	2.05		15.38	48.72		15.38	301.54	12.31	1.54
2800	do	5	3.44	64.52	10.75	43.01		12.90	252.90		5.16
145	Georgia	3	5.38	76.92		48.08		7.69		28.85	
162	do	4	4.71	23.53		4.71				21.18	
163	do	4	4.00			13.33				13.33	
180	Illinois	3	0.11		26.33	39.49			396.96	13.16	3.04
207	do	3	4.65		24.19				516.98		
208	do	3	4.94		23.37	23.37		5.62	352.36	11.69	2.70
920	do	3	7.25						284.06	15.07	
943	do	3	4.74		54.74	18.95		25.26		9.47	9.47
1721	do	3	2.31	70.00	73.85	36.92	415.38		452.31	18.46	
1728	do	3	14.04		36.49	70.18			550.18		
1733	do	3	3.16	151.58	25.26	67.37	378.95	50.53	412.63	21.05	
181	do	5	4.95								
907	do	5	12.68	63.41	31.71			25.37	317.07	6.34	3.30
919	do	5			23.45				860.46		6.34
938	do	5	6.67		57.78				217.78	13.33	11.56
1720	do	5	5.65	70.59	42.35	16.94	185.88	8.47	276.71	14.12	5.65
1744	do	5		53.66	35.12	29.27	248.78	11.71	334.63	14.63	
2159	Indiana	2			37.50		105.00		218.75	7.50	

## CONSUMPTION OF FOOD—Continued.

TABLE C.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED—Continued.

Bud- get num- ber.	State.	Number of chil- dren.	Quantity used per 100 units of consumption.								
			Pota- toes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
2187	Indiana.....	3	.....	44.21	.....	.....	126.32	.....	294.74	14.21	.....
2188	do.....	3	.....	58.38	.....	.....	136.22	.....	389.19	12.97	.....
2162	do.....	4	.....	.....	.....	.....	121.52	.....	248.10	.....	.....
2168	do.....	4	7.38	55.38	49.23	.....	147.69	30.77	276.92	14.77	.....
2177	do.....	5	.....	24.74	.....	.....	118.76	.....	164.95	7.01	.....
220	New York.....	3	4.49	53.93	20.22	8.99	.....	8.99	132.13	2.92	5.39
238	do.....	3	15.38	96.15	34.62	15.38	.....	.....	.....	4.62	6.99
243	do.....	3	13.85	115.38	76.92	15.38	.....	11.54	452.31	.....	13.85
974	do.....	3	6.25	62.50	43.75	.....	9.38	.....	.....	3.75	4.38
981	do.....	3	7.69	115.38	57.69	19.23	.....	23.08	226.15	.....	18.46
1764	do.....	3	8.04	50.63	37.97	.....	5.06	.....	.....	6.58	.76
1771	do.....	3	3.63	52.63	26.32	5.26	.....	5.26	237.89	3.16	10.53
1775	do.....	3	4.23	134.63	38.46	11.54	.....	19.23	301.54	19.23	3.85
1808	do.....	3	4.38	112.50	62.50	9.38	.....	15.63	245.00	15.00	7.50
3087	do.....	3	3.08	76.92	57.69	15.38	.....	34.62	376.92	0.23	9.23
3106	do.....	3	8.42	84.21	42.11	.....	.....	24.56	.....	12.63	4.21
212	do.....	4	2.99	89.55	41.79	17.91	.....	.....	.....	2.69	4.78
217	do.....	4	6.67	83.33	40.00	.....	.....	20.00	.....	8.00	6.00
222	do.....	4	4.36	145.45	54.55	10.91	.....	36.36	427.64	.....	17.45
245	do.....	4	9.09	103.90	.....	9.09	.....	.....	356.36	6.23	4.68
250	do.....	4	11.67	83.33	50.00	.....	.....	30.00	.....	8.00	8.00
257	do.....	4	.....	100.00	83.33	6.67	.....	20.00	653.33	4.00	6.00
263	do.....	4	4.35	78.26	36.96	7.83	.....	21.74	298.26	5.22	7.83
965	do.....	4	3.64	86.96	32.61	13.04	.....	.....	.....	3.91	3.04
1753	do.....	4	2.22	66.67	41.67	5.56	.....	5.56	217.78	2.50	4.17
1754	do.....	4	4.00	57.14	14.29	.....	.....	5.71	.....	5.14	11.43
1755	do.....	4	3.04	88.61	63.29	6.08	.....	7.59	173.67	3.04	6.08
1769	do.....	4	2.39	89.55	59.70	7.16	.....	8.96	234.03	.....	7.76
1787	do.....	4	3.54	63.29	37.07	.....	.....	7.59	297.72	6.08	6.08
1788	do.....	4	.60	104.48	71.64	5.97	.....	8.96	468.06	14.33	5.97
1798	do.....	4	3.64	64.94	38.06	5.19	.....	10.39	458.18	.....	6.75
1810	do.....	4	2.99	59.70	50.75	5.97	.....	5.97	.....	3.58	7.16
3031	do.....	4	2.78	83.33	55.56	25.00	.....	8.33	.....	6.67	8.33
3110	do.....	4	3.33	66.67	40.00	.....	.....	33.33	326.67	4.00	8.00
2287	do.....	5	7.06	70.59	30.50	14.12	.....	.....	184.47	6.59	4.24
1756	do.....	5	5.40	125.98	55.56	.....	.....	19.05	248.89	11.43	5.08
1813	do.....	5	1.46	73.17	9.76	2.93	.....	2.44	.....	.....	5.85
3091	do.....	5	2.00	44.44	44.44	17.78	.....	6.67	.....	8.00	5.33
3113	do.....	5	6.19	74.23	49.48	8.25	.....	4.12	.....	.....	3.71
279	Ohio.....	3	3.95	72.37	56.58	.....	210.53	.....	342.11	12.63	.....
287	do.....	3	4.21	105.26	18.25	.....	291.23	21.05	275.09	8.42	2.11
288	do.....	3	.....	.....	.....	.....	.....	.....	245.00	.....	.....
297	do.....	3	4.62	55.00	28.85	.....	288.46	.....	384.62	9.23	.....
306	do.....	3	3.13	31.25	32.50	18.75	125.00	14.06	122.50	16.25	.....
307	do.....	3	4.62	38.46	34.62	19.23	233.85	7.69	188.46	15.38	.77
308	do.....	3	4.23	42.31	40.00	9.62	246.15	.....	226.15	15.38	.77
309	do.....	3	4.49	67.42	44.94	.....	191.01	.....	303.37	11.24	.....
319	do.....	3	9.62	115.38	55.38	.....	334.62	.....	461.54	23.08	4.62
327	do.....	3	9.38	81.25	28.13	.....	250.00	.....	281.25	3.75	4.69
330	do.....	3	.....	67.42	.....	.....	53.93	.....	224.72	10.79	1.80
344	do.....	3	4.21	33.33	38.60	15.79	140.35	5.26	.....	7.02	.35
1001	do.....	3	7.69	68.46	30.77	.....	.....	8.08	414.62	20.00	.77
1004	do.....	3	4.56	67.37	33.68	.....	.....	.....	171.93	14.04	1.05
1016	do.....	3	4.56	93.25	45.61	.....	.....	53.33	343.86	40.70	1.40
1019	do.....	3	5.77	100.00	.....	.....	.....	4.62	.....	.....	.....
1041	do.....	3	7.02	.....	71.93	15.79	.....	5.26	618.95	5.26	2.46
1050	do.....	3	3.13	62.50	23.44	.....	125.00	.....	375.00	10.00	1.88
1051	do.....	3	3.85	.....	56.92	.....	184.62	.....	461.54	18.46	4.62
1057	do.....	3	.....	.....	27.04	.....	112.68	.....	352.11	15.21	1.41
1062	do.....	3	3.16	90.00	41.05	9.47	.....	.....	.....	.....	6.32
1099	do.....	3	3.12	54.55	18.70	13.51	.....	5.97	254.55	4.94	1.56
1100	do.....	3	4.21	47.37	47.37	28.07	.....	9.12	275.09	5.26	1.75
1817	do.....	3	8.42	42.11	52.63	19.30	.....	8.42	.....	5.96	11.93
2198	do.....	3	.....	105.26	.....	.....	252.63	.....	315.79	10.84	1.05
2209	do.....	3	2.31	.....	.....	.....	230.77	.....	413.85	13.85	2.31
2214	do.....	3	2.82	.....	.....	.....	112.68	.....	331.32	6.76	3.38
2242	do.....	3	.....	45.00	65.99	37.50	162.50	.....	375.00	.....	5.63
2253	do.....	3	.....	57.69	36.92	27.69	250.00	.....	.....	9.23	6.92
2257	do.....	3	.....	35.09	31.58	21.05	122.81	12.98	206.32	10.53	1.40
2259	do.....	3	6.15	34.62	32.31	19.23	192.31	10.77	.....	12.31	4.62
2285	do.....	3	.....	57.69	30.00	.....	288.46	.....	250.00	2.32	4.62
3127	do.....	3	.....	13.33	.....	.....	07.22	.....	372.22	4.17	.....
277	do.....	4	3.33	111.11	43.33	.....	208.33	.....	355.56	10.00	1.67
281	do.....	4	3.91	65.22	26.09	.....	150.22	.....	298.28	13.04	1.96
296	do.....	4	6.43	.....	.....	.....	236.19	.....	233.33	9.53	.....



## CONSUMPTION OF FOOD—Continued.

TABLE C.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED—Continued.

Budget num- ber.	State.	Number of chil- dren.	Quantity used per 100 units of consumption.								
			Pota- toes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
298	Ohio	4	5.85					50.73	286.83		3.41
312	do	4		38.30	21.28		180.85		276.60	14.04	3.19
313	do	4	3.19	23.83	21.28		170.21		276.60	10.21	2.55
324	do	4		21.95			32.44			5.85	
325	do	4	4.39	36.59	21.95		201.22		292.68	8.54	.98
331	do	4	4.12	36.08	20.62		185.57		285.57	9.90	1.03
334	do	4	6.87	62.99	29.25		256.72		410.45	13.13	2.69
345	do	4	3.66		17.56				286.83	6.10	
351	do	4	4.17	52.22	41.67		236.11		353.89	13.33	3.33
354	do	4	6.57	77.61	35.82		253.73	38.81	343.28	8.96	2.99
988	do	4	2.39	41.30	19.57				213.04	10.87	.87
1015	do	4		30.00	29.27			9.76	191.22	8.29	2.93
1026	do	4	3.80	75.95			202.53		297.72	5.06	2.53
1080	do	4		63.29			278.48		396.96	12.15	2.03
1105	do	4	5.37		22.39		114.63		261.19	3.58	7.16
1112	do	4	3.46	59.62	38.46			21.54	188.46	5.00	5.19
2203	do	4	3.33				186.11		435.56	10.00	5.00
2213	do	4					121.95		191.22	11.71	1.46
2233	do	4	3.09	19.59	24.74	10.31	111.75			2.06	1.24
2252	do	4	2.31	20.77	20.00	17.31	112.50	5.77	226.15	6.73	1.15
2286	do	4		89.55	14.93	23.88	71.64	45.67	358.21	10.45	
3132	do	4		44.94	45.84	22.47	112.36	7.87		10.79	.90
311	do	5		36.59			109.76		304.88	14.63	2.20
332	do	5	4.39	52.20	31.95		195.12		365.85	12.68	
339	do	5	4.35	36.96	21.74		233.70	11.96	282.61	10.87	.87
358	do	5	8.00	48.00	33.33		256.00	41.60	333.33	12.80	1.87
1053	do	5	5.11		31.91		122.55		319.15	22.13	.75
1070	do	5		46.15	19.23			50.00	201.03	11.54	.87
1071	do	5	2.06	55.67	22.68			32.99	221.44	14.43	.82
1088	do	5	1.03	56.49	24.74		115.46	44.54	307.22	9.90	2.47
1093	do	5	2.47	32.16	20.62	15.46			202.06	2.06	2.47
1106	do	5					275.86		390.57	13.79	2.30
2197	do	5		54.23	32.16				242.47	9.90	2.06
2200	do	5	4.60	68.97			220.69		551.72	11.03	1.15
2226	do	5		38.76	32.16	24.74	103.09		247.42		4.95
3116	do	5	3.47	41.60	32.00	16.80	217.87	9.33		6.40	1.87
3134	do	5	4.12	36.70	21.44	15.46	206.19	13.40	282.89	12.09	.82
3139	do	5	6.90	28.74			91.95		315.40	8.28	
364	Pennsylvania	3	9.38		16.25		228.13			11.25	
373	do	3			39.49	30.38			595.44	9.11	3.04
378	do	3			26.33						
379	do	3			13.68						
390	do	3	3.13	67.19	12.50	10.94	134.38	15.00	123.44	12.50	8.44
405	do	3		57.69	61.54	28.85		23.08	339.23		
408	do	3	7.50	93.75	62.50	31.25		2.19	367.50		
410	do	3	5.07		56.34	10.14			190.42		3.38
411	do	3	9.64	60.24	48.19	24.10		30.12	283.37		
421	do	3	6.49	54.05	37.84	25.95		16.22	211.89		
423	do	3	3.08	100.38	10.62	16.15	233.85	10.77	197.31	16.15	11.92
427	do	3	4.26	90.64	15.32	16.17	238.72	10.21	217.87	16.17	10.21
441	do	3	4.69	93.75		31.25			367.50		
444	do	3	8.77	52.63	70.18				412.63		
455	do	3	5.19	51.95	38.96	12.99		15.58	305.45		
468	do	3	7.50		31.25	15.63		18.75	367.50		
469	do	3	7.69	115.38	30.77	38.46			263.85		
481	do	3	6.76	60.81	27.93	40.54			238.38		
494	do	3	6.78	101.69	67.80	12.20			332.20		
502	do	3	7.69	48.08	76.92	11.54		1.92	339.23		
509	do	3	2.79	52.33	46.51	23.26		4.65	273.49		
513	do	3	2.82	70.42	28.17	28.17		1.41	331.27		
515	do	3	4.21	52.63	35.09	21.05		17.54	412.63		
517	do	3	4.06	46.68	39.06			15.63	245.00		
535	do	3	9.23	96.15	57.69	13.85		19.23	527.69		
541	do	3	7.02	78.95	70.18	35.09		35.09	309.47		
552	do	3		70.42	70.42	10.14		14.08	276.06		
562	do	3	5.42	76.27	67.80			13.56	199.32		
587	do	3					108.11				
589	do	3	6.33				177.22				
598	do	3		56.45		19.35			442.58		
607	do	3	3.08	100.00	13.46	15.00	211.92	15.38	150.77	11.54	11.54
610	do	3	2.16	70.81	16.76	11.08	168.11	12.97	124.86	10.81	12.43
629	do	3	13.46	76.92	23.08	23.08		13.46	301.54		
638	do	3	11.64	96.15	28.85	19.23		26.92	226.15		
650	do	3		115.38	57.69	7.69		23.08	452.31		
661	do	3	4.62	115.38	57.69	5.77		15.38	627.69		



## CONSUMPTION OF FOOD—Continued.

TABLE C.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED—Continued.

Bud- get num- ber.	State.	Num- ber of chil- dren.	Quantity used per 100 units of consumption.								
			Pota- toes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
1134	Pennsylvania	3	2.99	68.66	14.33	13.43	140.30	8.96	.....	8.96	8.96
1136	do	3	2.89	100.00	12.63	12.63	189.47	13.16	126.32	5.26	11.84
1138	do	3	3.46	115.77	23.08	18.46	189.23	17.69	190.38	13.85	15.77
1147	do	3	3.04	75.95	30.38	15.70	189.87	12.66	.....	13.92	10.13
1150	do	3	3.13	62.50	15.63	20.63	113.13	15.63	93.75	15.63	9.38
1153	do	3	6.54	115.38	28.85	23.08	292.31	26.92	.....	12.69	19.23
1168	do	3	3.13	81.88	18.13	17.19	222.50	12.50	187.50	11.25	15.00
1172	do	3	3.48	89.86	22.90	11.59	184.06	12.17	.....	14.49	14.49
1180	do	3	3.44	100.00	21.88	21.88	285.94	12.50	.....	18.75	12.50
1181	do	3	4.05	.....	22.78	.....	151.90	.....	.....	6.33	.51
1185	do	3	3.38	25.35	28.17	.....	140.85	.....	.....	7.32	1.13
1187	do	3	.....	.....	.....	.....	131.58	.....	.....	.....	.....
1189	do	3	3.13	62.50	15.63	12.50	187.50	15.63	148.44	12.50	11.88
1190	do	3	2.28	50.63	9.62	9.37	121.52	9.11	99.24	7.59	8.86
1200	do	3	2.50	67.50	11.88	11.25	156.25	11.25	.....	9.38	10.00
1203	do	3	2.70	54.05	9.46	12.16	162.16	10.81	108.11	8.11	5.41
1212	do	3	3.13	93.75	18.13	12.50	179.06	15.63	144.38	7.81	15.00
1214	do	3	3.08	76.72	21.54	13.85	193.08	12.31	152.31	9.23	13.85
1222	do	3	3.13	93.75	44.69	9.38	270.31	15.63	.....	17.19	4.69
1224	do	3	3.75	93.75	25.00	16.25	150.00	15.63	.....	15.63	15.63
1238	do	3	4.38	96.88	42.50	23.44	240.63	18.75	112.50	14.69	16.25
1246	do	3	4.69	109.38	34.38	16.25	.....	16.25	.....	15.63	6.25
1247	do	3	3.16	82.89	47.89	15.79	248.68	16.32	.....	18.42	11.84
1250	do	3	3.13	84.38	18.75	15.63	179.69	12.50	.....	15.63	12.50
1254	do	3	7.69	60.00	40.00	40.00	.....	.....	326.92	.....	.....
1260	do	3	3.13	.....	13.75	11.25	190.94	11.56	121.88	9.38	10.94
1261	do	3	2.53	.....	12.15	10.38	142.03	8.86	112.66	7.85	6.08
1264	do	3	3.40	111.49	22.13	16.17	259.15	11.91	164.26	16.17	14.89
1274	do	3	8.13	65.00	37.50	.....	237.50	16.25	.....	15.63	5.63
1276	do	3	3.85	111.54	25.38	15.00	191.92	15.77	.....	14.62	11.54
1322	do	3	3.24	62.16	19.46	10.81	.....	13.51	264.86	.....	.....
1327	do	3	2.53	70.89	10.13	12.66	177.97	8.86	121.52	8.86	10.13
1337	do	3	3.13	81.88	15.00	12.50	216.88	9.69	184.38	11.88	9.69
1344	do	3	3.85	.....	76.92	.....	.....	.....	.....	11.54	1.35
1384	do	3	2.25	49.66	10.79	8.54	140.00	7.19	104.49	7.19	8.54
1386	do	3	2.03	49.37	6.33	8.86	136.71	4.56	101.27	5.06	5.06
1388	do	3	.....	.....	.....	.....	140.63	.....	.....	.....	.....
1391	do	3	.....	42.37	42.37	.....	.....	.....	.....	10.17	1.02
1401	do	3	5.63	36.62	45.07	14.08	.....	16.90	276.06	.....	.....
1837	do	3	1.62	76.22	13.51	11.08	191.89	12.43	157.03	12.97	10.81
1850	do	3	2.69	80.77	18.46	15.00	205.00	9.23	161.92	13.85	11.92
1859	do	3	2.53	56.20	10.13	11.39	141.77	7.59	134.43	10.13	7.59
1865	do	3	3.08	81.92	21.54	21.15	228.85	10.77	192.31	14.62	8.08
2320	do	3	3.13	.....	.....	17.19	.....	.....	.....	28.44	3.44
2323	do	3	.....	.....	.....	15.35	.....	.....	.....	11.86	.....
2358	do	3	2.19	45.31	48.75	.....	.....	.....	.....	1.25	3.75
2360	do	3	.....	.....	.....	.....	.....	.....	.....	11.92	2.12
2367	do	3	1.92	.....	20.00	.....	.....	.....	.....	.....	8.56
2370	do	3	13.68	.....	.....	.....	.....	.....	.....	27.37	.....
2371	do	3	4.21	.....	.....	.....	.....	.....	.....	16.84	.....
2384	do	3	3.24	.....	28.11	.....	.....	.....	.....	1.08	7.03
2388	do	3	6.58	.....	35.44	31.65	.....	.....	.....	3.29	6.33
2394	do	3	7.50	.....	30.00	48.75	228.13	.....	.....	7.50	7.50
2423	do	3	4.56	.....	8.42	.....	.....	.....	.....	4.56	4.21
2427	do	3	4.06	.....	11.88	.....	.....	.....	.....	.....	8.13
2433	do	3	4.05	.....	28.11	.....	.....	.....	.....	2.70	3.78
2451	do	3	4.21	.....	38.60	12.28	.....	.....	.....	18.25	.....
2458	do	3	4.62	.....	27.69	30.77	.....	.....	.....	9.23	4.62
2471	do	3	7.50	.....	.....	.....	.....	.....	.....	15.00	1.88
2489	do	3	.....	.....	.....	.....	.....	.....	.....	12.31	2.31
2496	do	3	3.51	.....	.....	.....	181.08	24.86	.....	14.05	.....
2497	do	3	3.80	.....	26.33	.....	.....	.....	.....	15.19	1.01
2526	do	3	5.38	.....	46.15	29.23	.....	.....	.....	.....	6.73
2592	do	3	4.06	.....	32.50	.....	.....	.....	.....	16.25	3.75
2832	do	3	5.77	.....	45.38	23.85	192.31	55.38	.....	.....	.....
2839	do	3	3.75	62.50	.....	26.25	147.19	.....	.....	15.00	.31
2840	do	3	3.12	28.57	35.32	15.58	127.27	.....	.....	9.35	3.12
2841	do	3	4.07	40.68	35.25	20.34	169.49	.....	.....	11.86	3.30
2847	do	3	4.49	48.76	23.02	15.73	112.30	.....	.....	5.89	2.70
2859	do	3	6.25	69.38	51.56	.....	210.94	25.00	468.75	15.00	.63
2872	do	3	4.21	47.37	35.09	25.26	175.44	29.47	.....	16.84	4.21
2877	do	3	3.39	71.19	34.58	22.03	204.75	20.34	332.20	16.95	1.69
2878	do	3	3.75	45.31	50.00	12.50	148.44	25.00	.....	11.25	3.13
2879	do	3	4.04	44.94	21.57	22.47	112.36	.....	440.45	5.39	2.70
2883	do	3	3.80	51.90	.....	25.32	137.22	.....	.....	10.13	1.52

## CONSUMPTION OF FOOD—Continued.

TABLE C.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED—Continued.

Budget number.	State.	Number of children.	Quantity used per 100 units of consumption.								
			Pota- toes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
2005	Pennsylvania	3	4.91	38.60	70.18	.....	135.09	18.95	.....	16.84	2.11
2920	do	3	4.62	53.85	42.31	23.08	192.31	17.31	.....	11.54	2.69
2921	do	3	3.58	40.30	43.28	15.82	162.69	7.46	234.03	10.45	1.49
2943	do	3	5.07	84.51	45.07	19.72	184.51	28.17	.....	10.70	1.13
2944	do	3	5.63	86.56	62.50	15.63	156.25	7.81	.....	15.00	1.25
2955	do	3	5.22	62.32	30.13	21.74	141.74	.....	.....	6.96	3.48
2957	do	3	6.56	65.63	20.31	15.63	218.75	.....	.....	1.56	15.00
2961	do	3	9.23	55.77	.....	18.46	192.31	40.00	.....	3.25	4.62
2962	do	3	7.69	115.38	60.00	23.08	280.77	.....	.....	.....	9.23
2967	do	3	4.62	92.31	36.92	15.38	192.31	26.92	.....	4.62	13.85
2991	do	3	4.62	57.69	36.92	13.85	230.77	15.38	.....	.....	4.62
3004	do	3	4.38	.....	30.31	28.75	128.13	.....	.....	7.50	1.56
3006	do	3	3.16	52.63	21.05	.....	108.16	10.53	.....	11.84	.....
3012	do	3	3.85	50.00	33.46	.....	153.85	18.85	301.54	19.23	.....
3013	do	3	3.16	42.11	18.42	13.16	105.26	20.53	.....	12.37	.....
3150	do	3	.....	.....	.....	.....	.....	.....	384.62	.....	.....
3155	do	3	8.99	.....	.....	.....	.....	.....	528.54	.....	.....
3174	do	3	.....	.....	20.00	.....	.....	.....	315.79	10.53	.....
3202	do	3	7.50	.....	3.13	.....	.....	.....	375.00	5.00	.....
3208	do	3	5.58	.....	12.09	22.33	.....	.....	174.42	2.79	.....
368	do	4	6.33	.....	5.57	.....	.....	.....	.....	.....	.....
372	do	4	12.15	.....	.....	39.49	.....	28.86	595.44	.....	.....
384	do	4	2.99	83.58	14.33	14.93	156.72	16.42	146.27	7.46	14.93
428	do	4	2.53	58.48	12.15	12.15	160.00	10.13	134.68	12.66	9.11
437	do	4	.....	83.33	41.67	33.33	.....	13.89	490.00	.....	.....
439	do	4	4.76	35.71	19.05	17.86	.....	4.76	326.67	.....	.....
472	do	4	5.71	71.43	45.71	17.14	.....	17.14	336.00	.....	.....
491	do	4	.....	67.16	35.82	.....	.....	.....	351.04	.....	.....
518	do	4	3.90	103.90	38.96	25.97	.....	.....	305.45	.....	.....
519	do	4	1.74	76.09	43.48	13.04	.....	21.74	276.96	.....	.....
522	do	4	7.42	58.18	44.94	6.74	.....	8.99	396.40	.....	.....
528	do	4	.92	68.97	.....	9.20	.....	4.60	450.57	.....	.....
537	do	4	3.69	61.54	61.54	11.08	.....	15.38	241.23	.....	.....
544	do	4	9.52	83.33	59.52	14.29	.....	23.81	420.00	.....	.....
580	do	4	5.06	75.95	50.63	18.99	.....	10.13	347.34	.....	.....
588	do	4	.....	.....	.....	.....	82.00	.....	.....	.....	.....
591	do	4	3.63	6.10	12.68	.....	17.07	.....	285.85	6.10	.....
615	do	4	10.67	133.33	50.00	16.67	.....	33.33	392.00	.....	.....
648	do	4	.....	82.28	50.63	10.13	.....	.....	396.96	.....	.....
649	do	4	10.00	100.00	.....	.....	.....	33.33	424.67	.....	8.00
653	do	4	.....	61.86	8.25	20.62	.....	1.24	323.30	.....	7.42
1131	do	4	2.39	97.31	11.34	11.94	158.21	14.33	123.39	11.94	10.75
1132	do	4	3.64	112.73	16.36	15.27	184.00	30.55	152.73	10.91	13.82
1139	do	4	2.06	61.86	14.02	10.31	141.44	9.28	.....	12.37	7.22
1162	do	4	3.06	88.33	21.67	18.06	240.28	17.22	166.67	15.56	10.56
1170	do	4	2.06	.....	8.04	7.42	115.88	4.95	101.44	7.42	6.19
1206	do	4	2.78	83.33	13.89	16.11	189.44	8.89	166.67	12.50	9.72
1213	do	4	2.61	52.17	10.87	13.48	154.78	13.04	93.48	7.83	6.52
1235	do	4	2.68	59.79	13.40	10.31	154.64	9.48	.....	12.37	8.25
1241	do	4	6.10	.....	48.78	14.63	.....	9.76	.....	24.30	4.28
1258	do	4	6.33	36.46	26.33	12.66	.....	3.04	297.72	.....	.....
1262	do	4	1.52	66.33	14.18	9.62	135.70	2.53	129.63	9.62	5.06
1277	do	4	2.47	56.70	11.55	10.52	135.46	7.22	107.84	5.77	10.31
1285	do	4	4.72	34.72	27.78	.....	.....	6.94	.....	7.92	1.39
1307	do	4	2.99	65.67	11.94	10.75	152.24	14.33	107.46	10.45	10.45
1333	do	4	3.33	98.67	20.67	15.00	168.67	13.33	166.67	12.67	14.00
1357	do	4	3.30	72.16	34.23	12.37	.....	10.31	.....	15.46	4.12
1840	do	4	2.18	88.00	18.91	13.82	192.00	10.18	150.91	14.55	11.27
1852	do	4	2.22	60.83	14.17	13.89	217.22	7.78	144.72	11.94	10.00
2300	do	4	4.62	.....	20.00	.....	.....	.....	.....	10.00	.....
2302	do	4	3.04	.....	39.49	.....	.....	.....	.....	24.05	.....
2310	do	4	10.98	.....	.....	.....	.....	.....	.....	.....	.....
2321	do	4	3.06	.....	36.71	.....	.....	.....	.....	18.35	3.06
2336	do	4	1.67	.....	.....	10.83	.....	.....	.....	.....	.....
2342	do	4	.....	80.00	32.00	40.00	.....	34.67	.....	12.00	4.00
2345	do	4	2.55	.....	55.32	.....	.....	.....	.....	10.21	.....
2347	do	4	3.04	.....	18.23	15.19	.....	.....	.....	.....	.....
2361	do	4	2.93	.....	25.37	.....	.....	.....	.....	.....	5.85
2369	do	4	.....	.....	45.22	.....	.....	.....	.....	10.43	.....
2378	do	4	.....	.....	24.30	.....	.....	.....	.....	1.52	6.08
2385	do	4	5.77	.....	.....	.....	.....	.....	.....	.....	10.77
2392	do	4	.....	.....	30.38	.....	.....	.....	.....	.....	3.04
2414	do	4	.....	.....	.....	.....	.....	.....	179.10	.....	.....
2476	do	4	.....	.....	.....	.....	.....	.....	.....	7.31	.....
2482	do	4	6.34	.....	12.68	.....	.....	.....	.....	12.68	1.46



## CONSUMPTION OF FOOD—Continued.

TABLE C.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED—Continued.

Bud- get num- ber.	State.	Num- ber of chil- dren.	Quantity used per 100 units of consumption.								
			Pota- toes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs. (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
2491	Pennsylvania	4								14.00	1.50
2534	do	4			31.04						
2561	do	4			32.16				323.30	4.95	2.47
2575	do	4	4.00	48.00	52.00	20.00	133.33	12.00	392.00		8.00
2588	do	4	9.55								
2593	do	4	7.76		23.28					15.52	3.88
2844	do	4		53.68			76.10			23.41	1.22
2849	do	4	2.82	40.00	30.59	9.41	114.12	12.24		11.29	2.82
2851	do	4		40.51			69.37			9.11	3.04
2854	do	4	4.26	51.70	28.72	4.89	97.87	21.28	333.62	8.94	.85
2858	do	4		53.56		13.89	147.22			3.33	.83
2874	do	4	4.56	82.28	48.61	25.32	202.53	26.33		12.15	3.04
2880	do	4	3.04	34.18	18.99	20.25	101.27	25.32	248.10	6.08	3.04
2891	do	4	4.26	53.19	27.66	4.26	104.68	21.28		8.09	.85
2893	do	4		89.55	42.69		111.04			21.49	3.00
2914	do	4	4.78	43.48	11.30	26.09	100.22			10.00	2.61
2918	do	4	5.37		21.49	28.06	208.96	35.82		7.16	3.58
2929	do	4	4.48	65.87	28.66	17.91	167.16	8.96		15.52	.60
2937	do	4	4.39	31.71	30.00	7.32	118.29	24.39		5.85	1.46
2941	do	4	8.62	75.38	61.54	30.77	200.62	64.62		15.38	3.69
2964	do	4	4.78	57.14	33.33	14.70	129.05	20.71		4.76	2.86
2966	do	4	2.93	43.90	25.37		139.27	24.39		2.93	4.39
2968	do	4	2.30	82.76	22.07	22.07	139.77	23.68			8.28
2971	do	4	6.67	66.67	28.33	27.78	111.11	23.61		1.67	13.33
2973	do	4	5.09	48.00	58.18	27.27	218.18	37.82		8.73	4.36
2974	do	4	4.17	46.67	28.89	14.44	186.11	25.00		8.89	2.78
3163	do	4							573.66		
3190	do	4			16.00				480.00	6.40	
3193	do	4							436.86		
3203	do	4		39.02	23.87				365.85	4.39	
365	do	5	5.15		32.16	21.44				8.25	4.95
377	do	5	6.73		29.16	29.16		22.43	439.63		
397	do	5	6.33		42.11	10.53		1.47	330.11		
435	do	5	3.17	61.43	17.32	14.83	195.61	11.22	148.78	9.76	11.22
480	do	5		80.36	10.71	17.86			315.00		
534	do	5	4.44	50.00	22.22				304.89		
596	do	5		36.59	9.73	12.20			286.83		
599	do	5		36.08	20.62				484.95		
608	do	5	1.96	50.08	7.09	7.45	101.96	7.84	82.35	6.86	6.86
1208	do	5	2.95	68.18	13.64	15.68	137.73	11.82	140.91	9.09	13.18
1348	do	5	3.20		42.00		220.00	7.00	344.00	9.60	1.20
1836	do	5	1.52	53.71	11.62	9.71	171.62	9.14	114.67	5.71	0.52
1849	do	5	2.67	66.67	17.78	13.78	199.11	10.67	135.33	10.67	8.89
2314	do	5			35.86			17.24		11.03	2.99
2327	do	5			18.35						
2387	do	5	8.04		22.50	7.14				8.04	4.64
2467	do	5	3.20							9.60	
2472	do	5	2.61	23.48						10.43	1.30
2506	do	5	3.90	46.83	38.05	28.29			146.34	1.71	6.59
2577	do	5			34.02						
2871	do	5	3.09	41.24	30.93	17.53	112.37	16.49		10.72	1.65
2896	do	5	3.83	38.30	33.19	29.79	127.66	22.13		12.77	1.28
2908	do	5	3.17	53.37	50.49	13.17	142.20	22.44		9.51	1.22
2997	do	5	4.27	65.33	37.33	10.67	133.33			12.00	1.33
2998	do	5	3.22	49.43	41.38	8.74	151.26	29.43		11.95	.92
3166	do	5	5.10	71.57					461.18	10.20	
704	Tennessee	3	4.05	40.54	4.86	10.81				17.57	1.08
705	do	3	3.75	59.38	9.38	3.13		3.13		.31	
3016	do	3					152.63		210.53	10.00	
3018	do	3					151.90		202.53	7.85	
3217	do	3	2.31	48.08	23.08	46.15		3.85		18.46	
723	do	4	3.33	50.00	20.00	40.00		5.06		16.00	
1407	do	4	6.86	45.71	14.29	34.29		2.86		6.86	.57
3029	do	4					157.61		179.10		
3030	do	4					118.81		237.62		
3223	do	4	.67	22.22		1.33				11.11	
3222	do	5	4.00	37.33		21.33				12.80	
736	Virginia	3	.77	40.00	20.00	40.00		4.62	376.92		
751	do	3	1.28			42.56		12.77	500.43		
1453	do	3	2.10	46.88	16.25		179.69	7.81		15.63	4.06
3230	do	3	.70	35.09	8.42	22.81		1.75	343.86		
3240	do	3			6.25	23.13		2.50	397.50		
1423	do	4	2.44	73.17	38.05	31.71	219.51	24.39	288.83	14.63	
1440	do	4			16.85	11.24	171.91	1.35		16.85	.22
1441	do	4	3.58	74.63	23.88	74.63	220.90	8.96		22.90	



## CONSUMPTION OF FOOD—Continued.

TABLE C.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED—Continued.

Budget number.	State.	Number of children.	Quantity used per 100 units of consumption.								
			Potatoes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
1445	Virginia	4	1.28	30.64	21.28	10.64	103.19	.....	166.81	10.64	.....
1451	do	4	1.95	63.41	26.83	39.02	123.41	25.37	286.83	24.39	.....
740	do	5	1.18	19.12	2.94	22.06	.....	1.76	461.18	.....	.....
1433	do	5	2.60	.....	26.00	16.00	220.00	.....	.....	15.00	2.60
1442	do	5	1.44	.....	32.16	20.62	97.94	21.44	242.47	10.72	.....
757	West Virginia	3	5.00	48.08	46.15	28.08	198.85	7.69	301.54	11.54	2.69
758	do	3	2.03	.....	.....	39.49	151.90	25.32	198.48	26.33	.....
1872	do	3	3.58	29.85	38.81	17.91	140.25	7.46	175.52	8.96	.90
1880	do	3	7.50	46.88	31.25	10.94	135.31	10.31	.....	15.00	.....
2600	do	3	4.69	37.50	33.13	26.56	187.50	17.50	.....	10.00	1.88
3036	do	3	.....	.....	.....	.....	162.50	.....	336.88	.....	.....
1891	do	4	4.00	44.62	32.00	22.15	215.38	.....	180.92	8.31	.92
2604	do	4	3.64	33.77	29.09	18.18	163.64	11.43	305.45	11.69	1.04
3033	do	4	.....	.....	.....	.....	166.67	.....	353.89	.....	.....
3043	do	4	.....	.....	.....	.....	123.60	.....	303.82	10.79	.....
759	do	5	4.24	32.94	26.35	17.18	178.82	8.24	.....	9.41	2.35
760	do	5	4.12	24.74	22.27	20.62	136.08	.....	.....	10.72	1.24
762	do	5	3.33	30.00	24.89	14.44	266.67	6.67	261.33	6.67	2.67
1470	Belgium	3	.....	13.51	.....	.....	.....	.....	270.13	.....	.....
1498	do	3	.....	8.13	16.25	.....	.....	.....	456.25	3.75	.....
1510	do	3	.....	.....	11.59	.....	.....	.....	.....	.....	.....
1516	do	3	5.96	10.53	28.07	16.84	37.80	.....	421.05	.....	.....
1534	do	3	5.06	6.08	25.32	6.08	30.33	.....	364.56	8.10	.....
1535	do	3	4.49	8.99	16.18	5.39	44.94	.....	269.66	.....	.....
2607	do	3	11.94	15.52	62.09	.....	124.18	16.72	716.42	.....	.....
765	do	4	.....	4.95	19.79	.....	.....	.....	536.08	14.85	.....
1490	do	4	.....	.....	49.87	.....	135.06	.....	311.69	18.70	.....
1508	do	4	.....	.....	40.00	.....	26.67	.....	533.33	.....	.....
1512	do	4	.....	.....	.....	.....	.....	.....	.....	5.85	.....
1513	do	4	.....	12.68	25.37	.....	25.37	12.68	.....	12.68	.....
1525	do	4	8.99	.....	26.97	.....	21.57	.....	539.33	.....	.....
1528	do	4	7.69	5.77	26.92	18.46	46.15	.....	461.54	.....	.....
2608	do	4	8.87	5.36	37.53	.....	64.33	.....	494.85	.....	.....
2614	do	4	8.25	4.95	29.69	7.42	24.74	.....	494.85	9.90	.....
1507	do	5	.....	.....	.....	.....	.....	.....	.....	21.44	.....
1559	France	3	.58	.....	.....	.....	41.74	.....	.....	.....	.....
1562	do	3	.....	13.91	27.83	13.91	55.65	.....	.....	13.91	.....
1566	do	3	6.25	.....	37.50	11.25	60.00	.....	.....	7.50	.....
1557	do	4	.....	10.21	20.43	.....	30.64	11.06	.....	20.43	.....
1565	do	4	.73	11.71	11.71	14.63	35.12	.....	.....	5.85	.....
1585	Germany	3	12.15	16.46	.....	.....	73.42	.....	.....	.....	.....
1591	do	3	9.38	32.50	8.13	.....	100.31	.....	.....	.....	.....
1595	do	3	9.01	14.65	.....	.....	76.34	.....	.....	.....	.....
1597	do	3	7.69	30.00	.....	.....	145.00	.....	.....	.....	.....
1598	do	3	7.69	23.08	.....	.....	.....	.....	.....	.....	.....
1928	do	3	.....	.....	.....	.....	118.64	.....	.....	.....	.....
3248	do	3	.....	22.13	44.26	.....	77.45	22.13	.....	11.06	.....
1583	do	4	.....	36.71	.....	.....	112.00	.....	.....	.....	.....
1927	do	4	.....	26.67	7.50	.....	130.00	.....	.....	.....	.....
1586	do	5	10.67	17.33	.....	.....	107.73	.....	.....	.....	.....
3250	do	5	.....	12.24	28.24	.....	.....	.....	.....	6.12	.....
781	Great Britain	3	2.50	48.75	32.50	.....	.....	.....	.....	.....	6.25
782	do	3	2.53	30.49	26.33	.....	.....	.....	.....	2.53	4.56
788	do	3	2.81	36.49	36.49	.....	.....	.....	131.58	.....	7.02
706	do	3	.....	42.16	35.14	.....	.....	.....	.....	.....	7.03
799	do	3	7.02	36.49	18.25	9.12	.....	.....	350.88	.....	9.12
817	do	3	2.50	40.63	24.38	.....	.....	.....	.....	.....	8.75
818	do	3	2.81	40.63	32.50	.....	.....	.....	109.38	5.00	6.25
820	do	3	4.38	32.50	32.50	.....	.....	.....	201.25	3.13	9.38
827	do	3	.....	54.74	45.61	.....	.....	.....	.....	.....	9.12
831	do	3	.....	60.29	37.68	.....	.....	.....	.....	.....	8.70
1621	do	3	3.16	41.05	20.00	13.68	120.00	.....	157.80	.....	5.26
1636	do	3	4.07	65.00	32.50	8.13	.....	.....	187.50	.....	6.25
1640	do	3	4.21	72.08	54.74	.....	.....	.....	228.07	2.81	7.02
1647	do	3	3.07	60.00	20.00	.....	.....	.....	153.85	.....	6.92
1650	do	3	2.11	27.37	7.89	6.84	.....	.....	105.26	.....	3.16
1667	do	3	3.75	48.75	48.75	.....	.....	.....	.....	3.13	5.63
1687	do	3	.....	45.61	36.40	.....	.....	.....	.....	.....	7.02
1701	do	3	2.81	72.08	14.04	18.25	.....	.....	122.81	.....	6.32
1933	do	3	3.42	68.42	34.21	6.84	.....	.....	236.84	.....	9.47
1936	do	3	3.46	80.00	20.00	10.00	.....	.....	250.00	.....	10.00
1946	do	3	3.13	65.00	32.50	8.13	.....	.....	.....	4.06	8.13
1947	do	3	3.34	48.75	32.50	8.13	.....	.....	.....	.....	.....
1950	do	3	3.24	54.05	14.05	7.03	.....	.....	.....	.....	7.03
1981	do	3	.....	32.50	32.50	.....	.....	.....	.....	.....	8.13

## CONSUMPTION OF FOOD—Continued.

TABLE C.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED—Continued.

Bud- get num- ber.	State.	Num- ber of chil- dren.	Quantity used per 100 units of consumption.								
			Pota- toes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
1984	Great Britain	3	5.63	40.63	24.38				175.00	3.13	6.25
1988	do	3	2.50	48.75	32.50				125.00	4.06	8.13
1992	do	3	1.88	48.75	48.75				125.00	4.06	8.13
1995	do	3	3.07	40.00	40.00				115.38	3.85	10.00
2018	do	3	3.48	60.29	45.22				105.51	3.48	8.70
2022	do	3	5.38	40.00	40.00				215.38	5.00	10.00
2026	do	3	5.00	40.63	40.63				122.50		7.50
2028	do	3	3.75	65.00	65.00						8.75
2030	do	3	4.56	26.33	26.33				92.15	2.53	5.06
2048	do	3	3.75	32.50	24.38				87.50		6.25
2054	do	3	6.25	32.50	32.50				122.50	4.06	4.06
2056	do	3	2.79	36.28	36.28				84.65	1.16	6.05
2058	do	3	3.75	56.88	56.88				122.50	5.00	8.75
2067	do	3	3.16	36.49	36.49				157.19		6.32
2633	do	3		81.58	13.68	13.68			273.68		6.84
2636	do	3	4.07	93.75	16.25	16.25			312.50		8.13
2637	do	3	4.91	109.47	27.37	18.25			350.88		9.12
2649	do	3	4.07	32.50	24.38	8.13			406.25		8.13
2662	do	3	4.07	48.75	16.25	12.50			250.00		8.13
2666	do	3	5.22	30.14	15.07	7.54			260.87		5.22
2678	do	3	4.62	60.00		20.00			560.00		
2687	do	3	3.77	30.14	22.61	15.07			347.83		5.80
2690	do	3	4.07	48.75	16.25	8.13			187.50		8.13
2692	do	3	3.75	48.75	16.25	16.25			187.50		8.13
2694	do	3	1.86	72.56	12.09	9.30			232.56		6.05
2696	do	3	3.51	72.98	18.25	25.26			333.33		7.02
2714	do	3	5.06	78.99	13.16	13.16			227.85		6.58
2719	do	3	2.32	24.19	12.09	12.09			186.05	2.33	3.49
2724	do	3	3.85	60.00	20.00	23.08			346.15		9.62
2725	do	3	3.46	40.00	30.00		90.00		420.00		5.00
2746	do	3	4.56	52.66							6.58
2751	do	3	3.46	40.00	30.00		90.00	9.62	420.00		5.00
2752	do	3	4.21	84.21	14.04	24.56			368.42		10.53
2763	do	3	4.38	97.50	16.25	16.25			260.00		16.25
2769	do	3	2.82	29.30	14.65	7.32			281.69		7.32
3070	do	3	4.62	80.00	20.00	20.00			269.23	4.62	7.69
777	do	4	3.04	39.49	39.49				151.90	3.04	5.06
783	do	4	2.99	46.57	44.78				208.96		6.57
789	do	4	2.28	26.33	26.33				101.27	2.03	4.05
801	do	4	4.26	27.66	27.66				83.40		6.38
802	do	4	3.54	32.91	26.33				141.77	2.53	5.06
804	do	4	4.15	38.05	25.37				88.78	2.44	4.88
805	do	4	4.56	32.91	26.33				99.24		7.09
811	do	4	4.05	32.91	26.33					3.04	5.06
823	do	4		38.05	38.05						7.32
1602	do	4		62.09	15.52	31.04	217.31		223.88		
1603	do	4	4.00	52.00	26.67				166.67	5.33	5.33
1611	do	4	2.76	45.98	22.99				137.93		4.14
1656	do	4	3.33	61.11	38.89					3.33	3.89
1665	do	4	2.47	32.16	32.16					2.89	3.71
1671	do	4	3.45	47.82	35.86				183.91	2.76	4.60
1681	do	4	3.24	42.16	28.11					3.24	7.03
1684	do	4	2.77	42.55	33.19					3.19	4.26
1934	do	4	3.66		38.05	12.68			292.68		9.51
1941	do	4	4.30	75.95	32.91				253.16		6.58
1958	do	4		22.13	22.13						5.53
1963	do	4		26.33	26.33						5.06
1996	do	4	3.33	36.11	28.87				202.22		7.22
1997	do	4	4.18	38.81	38.81				192.24		5.97
2002	do	4	5.00	27.78	21.67				155.56		5.56
2023	do	4	1.06	33.19	33.19				85.11	4.26	6.38
2051	do	4	4.39	48.78	25.37				88.78		4.88
2053	do	4	3.04	39.49	26.33				131.65	3.29	6.58
2065	do	4	5.32	63.29	32.91				141.77	2.53	5.06
2074	do	4		35.06	23.37						8.76
2638	do	4	3.89	86.67	14.44	14.44			346.67		7.22
2652	do	4	2.33	52.00	17.33	17.33			166.67		8.67
2660	do	4	3.62	22.13	11.06	11.06			255.32		6.38
2669	do	4	3.29	52.66	19.75	6.58			455.70		6.58
2673	do	4	3.51	74.23	14.43	16.49			350.52		6.19
2674	do	4	4.74	64.33	42.89	16.08			247.42		8.25
2675	do	4	4.89	66.38	11.06	11.06			255.32		5.53
2680	do	4	3.51	168.65	21.08	7.03			324.32		
2693	do	4	3.82	35.06	23.37	5.84			179.78	2.25	4.49
2704	do	4	3.17	38.05	12.68	6.34			195.12	2.93	4.39



## CONSUMPTION OF FOOD—Continued.

TABLE c.—QUANTITY OF CERTAIN ARTICLES OF FOOD USED—Concluded.

Bud- get num- ber.	State.	Num- ber of chil- dren.	Quantity used per 100 units of consumption.								
			Pota- toes (bush.).	Sugar (lbs.).	Butter (lbs.).	Lard (lbs.).	Meat (lbs.).	Eggs (doz.).	Flour (lbs.).	Coffee (lbs.).	Tea (lbs.).
2708	Great Britain	4	3.29	60.76	13.16	15.19	.....	.....	253.16	.....	6.33
2712	.....do.....	4	3.07	80.00	13.33	13.33	.....	.....	500.00	.....	6.67
2720	.....do.....	4	4.30	39.49	19.75	13.16	.....	.....	227.85	.....	5.06
2731	.....do.....	4	2.60	31.20	10.40	5.20	.....	.....	200.00	.....	5.20
2741	.....do.....	4	3.85	59.23	20.00	19.23	.....	.....	192.31	.....	5.77
2745	.....do.....	4	6.33	52.66	13.16	.....	.....	4.30	.....	.....	4.30
2768	.....do.....	4	5.37	46.57	15.52	7.76	.....	.....	298.51	.....	7.76
2792	.....do.....	4	5.06	39.49	19.75	6.58	.....	.....	354.43	.....	7.59
2797	.....do.....	4	3.29	78.99	15.19	20.25	.....	.....	405.06	.....	6.58
3071	.....do.....	4	4.04	63.62	11.06	11.06	.....	.....	265.53	.....	5.53
826	.....do.....	5	.....	80.59	20.39	.....	.....	.....	.....	.....	5.10
1653	.....do.....	5	3.40	62.40	31.20	.....	.....	.....	120.00	1.60	5.20
1655	.....do.....	5	3.09	41.24	41.24	.....	.....	.....	.....	2.47	2.89
1657	.....do.....	5	2.40	40.00	30.60	.....	.....	.....	.....	2.00	2.40
1663	.....do.....	5	2.29	39.62	39.62	.....	.....	.....	.....	2.86	3.81
1686	.....do.....	5	2.60	20.80	10.40	.....	58.00	.....	144.00	3.00	3.00
1692	.....do.....	5	3.51	61.86	21.44	.....	.....	.....	288.66	2.06	5.36
1940	.....do.....	5	4.80	31.20	10.40	.....	.....	.....	.....	.....	5.20
1949	.....do.....	5	2.89	23.11	22.22	5.78	.....	.....	.....	.....	5.78
1968	.....do.....	5	.....	15.00	10.00	.....	.....	.....	.....	.....	5.00
1982	.....do.....	5	3.66	25.37	12.08	.....	.....	.....	121.95	.....	6.34
1999	.....do.....	5	3.60	52.00	20.80	.....	.....	.....	.....	.....	5.20
2000	.....do.....	5	6.22	28.89	28.71	.....	.....	.....	180.44	.....	6.67
2003	.....do.....	5	4.74	62.27	32.16	.....	.....	.....	158.76	2.06	7.22
2007	.....do.....	5	2.63	21.44	21.44	.....	.....	.....	103.09	2.68	5.36
2020	.....do.....	5	2.68	27.86	37.14	.....	.....	.....	142.86	3.57	6.25
2059	.....do.....	5	4.60	31.20	31.20	.....	.....	.....	162.40	.....	5.20
2068	.....do.....	5	5.60	31.20	31.20	.....	.....	.....	89.60	3.00	4.00
2072	.....do.....	5	5.29	39.22	20.39	5.10	.....	.....	380.66	.....	7.84
2644	.....do.....	5	1.64	73.77	11.48	11.48	.....	.....	278.26	.....	8.20
2647	.....do.....	5	3.65	36.17	18.09	4.52	.....	.....	340.00	.....	13.57
2668	.....do.....	5	3.40	31.20	10.40	20.80	.....	.....	160.00	.....	4.00
2676	.....do.....	5	2.27	04.33	12.37	10.72	.....	.....	450.31	.....	5.36
2681	.....do.....	5	2.00	.....	20.80	10.40	.....	.....	240.00	2.00	5.20
2683	.....do.....	5	2.35	36.71	18.35	.....	55.06	.....	342.59	.....	4.71
2686	.....do.....	5	3.57	55.70	13.93	13.93	.....	.....	303.57	.....	.....
2728	.....do.....	5	.....	.....	.....	23.11	.....	.....	322.22	.....	.....

TABLE d.—PIG IRON: COST, BY FAMILIES.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.
9	Alabama	3	285	\$31.11	47	Alabama	5	400	\$58.48
18	.....do.....	3	285	65.40	59	.....do.....	5	410	57.54
51	.....do.....	3	415	54.20	80	.....do.....	5	470	41.39
61	.....do.....	3	395	34.12	145	Georgia	3	260	73.85
62	.....do.....	3	360	66.07	162	.....do.....	4	425	32.14
63	.....do.....	3	370	38.88	163	.....do.....	4	300	43.00
69	.....do.....	3	260	78.62	180	Illinois	3	395	86.66
109	.....do.....	3	395	43.42	207	.....do.....	3	430	79.13
117	.....do.....	3	285	50.79	208	.....do.....	3	445	51.04
118	.....do.....	3	430	43.56	181	.....do.....	5	485	66.71
143	.....do.....	3	320	67.43	220	New York	3	445	40.71
8	.....do.....	4	395	44.97	238	.....do.....	3	260	81.00
32	.....do.....	4	410	59.38	243	.....do.....	3	260	102.69
46	.....do.....	4	395	57.58	212	.....do.....	4	335	63.10
64	.....do.....	4	485	58.35	217	.....do.....	4	300	69.40
93	.....do.....	4	335	53.27	222	.....do.....	4	275	98.97
101	.....do.....	4	420	48.65	245	.....do.....	4	385	73.24
110	.....do.....	4	470	34.62	250	.....do.....	4	300	83.95
111	.....do.....	4	395	79.30	257	.....do.....	4	300	88.50
114	.....do.....	4	535	39.57	263	.....do.....	4	460	63.59
123	.....do.....	4	470	35.57	237	.....do.....	5	425	40.84
123	.....do.....	4	435	57.29	279	Ohio	3	380	71.21



## CONSUMPTION OF FOOD—Continued.

TABLE d.—PIG IRON: COST, BY FAMILIES—Concluded.

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.
287	Ohio	3	285	\$126.84	661	Pennsylvania	3	260	\$106.62
288	do.	3	320	63.75	368	do.	4	395	26.43
297	do.	3	260	73.30	372	do.	4	335	93.41
306	do.	3	320	48.60	384	do.	4	395	66.32
307	do.	3	260	67.56	428	do.	4	395	68.19
308	do.	3	260	78.75	437	do.	4	360	80.04
309	do.	3	445	63.80	439	do.	4	420	49.89
319	do.	3	260	116.44	472	do.	4	350	86.14
327	do.	3	320	69.71	491	do.	4	335	52.13
330	do.	3	445	41.73	518	do.	4	385	67.09
344	do.	3	285	54.98	519	do.	4	460	61.48
277	do.	4	360	73.15	522	do.	4	445	56.90
281	do.	4	460	63.43	528	do.	4	435	52.45
296	do.	4	420	41.90	537	do.	4	325	70.14
298	do.	4	410	81.37	544	do.	4	420	86.48
312	do.	4	470	44.40	580	do.	4	395	59.91
313	do.	4	470	42.94	583	do.	4	500	71.20
324	do.	4	410	26.15	591	do.	4	410	27.38
325	do.	4	410	58.31	615	do.	4	300	118.42
331	do.	4	485	51.67	648	do.	4	395	65.95
334	do.	4	335	77.96	649	do.	4	300	68.15
345	do.	4	410	40.33	653	do.	4	485	46.25
351	do.	4	360	75.82	365	do.	5	485	52.73
354	do.	4	335	77.97	377	do.	5	535	65.14
311	do.	5	410	31.82	397	do.	5	475	43.00
332	do.	5	410	62.73	435	do.	5	410	76.74
339	do.	5	460	59.32	480	do.	5	560	38.04
358	do.	5	375	81.17	534	do.	5	450	32.68
364	Pennsylvania	3	320	47.50	596	do.	5	410	30.65
373	do.	3	395	74.98	599	do.	5	485	46.14
378	do.	3	395	58.07	608	do.	5	510	48.51
379	do.	3	380	47.50	704	Tennessee	3	370	53.16
390	do.	3	320	74.31	705	do.	3	320	54.18
405	do.	3	260	87.35	723	do.	4	300	61.07
408	do.	3	320	105.27	736	Virginia	3	260	63.92
410	do.	3	355	57.26	751	do.	3	235	65.76
411	do.	3	415	73.30	740	do.	5	340	35.74
421	do.	3	370	57.24	757	West Virginia	3	260	82.30
423	do.	3	260	97.74	758	do.	3	395	59.18
427	do.	3	235	96.46	759	do.	5	425	60.25
441	do.	3	320	61.91	760	do.	5	485	51.39
444	do.	3	285	87.25	762	do.	5	450	58.39
455	do.	3	385	64.34	765	Belgium	4	485	28.93
468	do.	3	320	55.25	781	Great Britain	3	320	75.89
469	do.	3	260	86.31	782	do.	3	395	58.80
481	do.	3	370	59.34	788	do.	3	285	62.42
494	do.	3	295	70.34	796	do.	3	370	55.65
502	do.	3	260	72.65	799	do.	3	285	50.37
509	do.	3	430	58.47	817	do.	3	320	77.70
513	do.	3	355	63.20	818	do.	3	320	83.99
515	do.	3	285	75.72	820	do.	3	320	74.07
517	do.	3	320	53.36	827	do.	3	285	60.30
535	do.	3	260	113.69	831	do.	3	345	43.77
541	do.	3	285	83.16	777	do.	4	395	50.82
552	do.	3	355	82.86	783	do.	4	335	56.95
562	do.	3	295	87.80	789	do.	4	395	35.42
587	do.	3	370	62.97	801	do.	4	470	57.41
589	do.	3	395	66.33	802	do.	4	395	68.33
598	do.	3	310	50.69	804	do.	4	410	62.26
607	do.	3	260	86.87	805	do.	4	395	65.45
610	do.	3	370	74.20	811	do.	4	395	72.14
629	do.	3	260	69.83	823	do.	4	410	49.14
638	do.	3	260	86.04	826	do.	5	510	33.94
650	do.	3	260	102.42					

## CONSUMPTION OF FOOD—Continued.

TABLE c.—BAR IRON: COST, BY FAMILIES.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.
847	Alabama	3	285	\$93.53	1401	Pennsylvania	3	355	\$68.24
852	do	3	295	73.12	1131	do	4	335	71.45
873	do	3	310	78.18	1132	do	4	275	85.86
876	do	3	320	81.38	1139	do	4	485	57.93
865	do	4	420	63.79	1102	do	4	360	93.30
861	do	5	465	74.04	1170	do	4	485	46.22
863	do	5	500	51.78	1206	do	4	360	81.87
920	Illinois	3	345	52.32	1213	do	4	460	63.93
913	do	3	380	72.27	1235	do	4	485	65.95
907	do	5	410	77.70	1241	do	4	410	94.82
919	do	5	435	44.14	1258	do	4	395	45.51
938	do	5	450	94.73	1262	do	4	395	59.10
974	New York	3	320	62.58	1277	do	4	485	54.57
981	do	3	260	97.44	1285	do	4	360	60.26
965	do	4	460	54.41	1307	do	4	335	73.10
1001	Ohio	3	260	82.30	1333	do	4	300	86.57
1004	do	3	285	44.79	1357	do	4	485	89.73
1016	do	3	285	93.21	1208	do	5	440	71.66
1019	do	3	260	107.71	1318	do	5	500	68.49
1041	do	3	285	131.47	1407	Tennessee	4	350	57.86
1050	do	3	320	47.53	1453	Virginia	3	320	62.03
1051	do	3	260	80.69	1423	do	4	410	76.85
1057	do	3	355	53.37	1440	do	4	445	55.25
1062	do	3	380	85.66	1441	do	4	335	78.48
1099	do	3	385	60.17	1445	do	4	470	36.10
1100	do	3	285	92.38	1451	do	4	410	77.51
988	do	4	460	38.02	1433	do	5	500	75.13
1015	do	4	410	36.51	1442	do	5	485	60.12
1026	do	4	395	64.56	1470	Belgium	3	385	30.28
1080	do	4	395	86.86	1498	do	3	320	32.55
1105	do	4	335	47.76	1510	do	3	345	21.86
1112	do	4	520	58.75	1516	do	3	285	40.17
1053	do	5	470	51.02	1534	do	3	395	35.46
1070	do	5	390	40.94	1535	do	3	445	34.74
1071	do	5	485	45.65	1490	do	4	385	47.15
1088	do	5	485	45.69	1508	do	4	360	55.75
1093	do	5	485	60.51	1512	do	4	410	27.77
1106	do	5	435	93.79	1513	do	4	410	32.75
1134	Pennsylvania	3	335	62.33	1525	do	4	445	38.46
1136	do	3	380	75.98	1528	do	4	520	44.77
1138	do	3	260	96.55	1507	do	5	485	19.35
1147	do	3	395	91.64	1559	France	3	345	52.22
1150	do	3	320	66.11	1562	do	3	345	76.79
1153	do	3	260	132.90	1566	do	3	320	59.35
1163	do	3	320	97.00	1557	do	4	470	53.12
1172	do	3	345	110.29	1565	do	4	410	40.56
1180	do	3	320	95.27	1585	Germany	3	395	27.00
1181	do	3	395	65.31	1591	do	3	320	47.43
1185	do	3	355	80.58	1595	do	3	355	29.06
1187	do	3	285	72.19	1597	do	3	260	54.34
1189	do	3	320	80.78	1598	do	3	260	31.19
1190	do	3	395	50.96	1583	do	4	425	28.91
1200	do	3	320	68.48	1586	do	5	375	35.78
1203	do	3	370	59.59	1621	Great Britain	3	360	51.57
1212	do	3	320	88.31	1036	do	3	320	63.64
1214	do	3	260	64.60	1640	do	3	285	79.46
1222	do	3	320	106.68	1647	do	3	260	70.88
1224	do	3	320	92.76	1650	do	3	380	30.44
1238	do	3	320	121.41	1667	do	3	320	93.38
1246	do	3	320	116.04	1687	do	3	285	45.09
1247	do	3	380	102.10	1701	do	3	285	49.31
1250	do	3	320	81.72	1602	do	4	335	73.01
1254	do	3	260	105.38	1603	do	4	300	50.35
1260	do	3	320	74.43	1611	do	4	435	41.19
1261	do	3	395	64.98	1656	do	4	360	85.82
1264	do	3	235	100.84	1665	do	4	485	63.30
1274	do	3	320	110.06	1671	do	4	435	59.34
1276	do	3	260	93.72	1681	do	4	370	82.70
1322	do	3	370	54.43	1684	do	4	470	63.75
1327	do	3	395	68.71	1653	do	5	500	41.73
1337	do	3	320	79.97	1655	do	5	485	61.27
1344	do	3	260	122.69	1657	do	5	500	57.64
1384	do	3	445	60.69	1663	do	5	525	64.55
1386	do	3	395	44.39	1686	do	5	500	25.32
1388	do	3	320	64.06	1692	do	5	485	63.46
1391	do	3	295	120.14					

## CONSUMPTION OF FOOD—Continued.

TABLE f.—STEEL: COST, BY FAMILIES.

[The families embraced in this table consist of husband and wife and 3, 4, and 5 children, the eldest of which is under 15.]

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.
1713	Alabama .....	3	380	\$37.50	1981	Great Britain .....	3	320	\$59.75
1721	Illinois .....	3	260	128.09	1984	do .....	3	320	68.35
1728	do .....	3	285	75.55	1988	do .....	3	320	77.56
1733	do .....	3	285	125.71	1992	do .....	3	320	92.39
1720	do .....	5	425	72.11	1995	do .....	3	260	80.17
1744	do .....	5	410	67.44	2018	do .....	3	345	108.90
1764	New York .....	3	395	69.04	2022	do .....	3	260	78.80
1771	do .....	3	380	69.19	2026	do .....	3	320	100.52
1775	do .....	3	260	95.23	2028	do .....	3	320	148.36
1808	do .....	3	320	100.50	2030	do .....	3	395	93.63
1753	do .....	4	300	60.36	2048	do .....	3	320	63.36
1754	do .....	4	350	54.77	2054	do .....	3	320	75.05
1755	do .....	4	395	70.95	2056	do .....	3	430	82.13
1769	do .....	4	335	81.19	2058	do .....	3	320	67.75
1787	do .....	4	395	63.44	2067	do .....	3	285	87.75
1788	do .....	4	335	86.60	1934	do .....	4	410	85.16
1798	do .....	4	385	65.78	1941	do .....	4	395	74.79
1810	do .....	4	335	93.10	1958	do .....	4	470	28.81
1756	do .....	5	315	98.14	1963	do .....	4	395	25.82
1813	do .....	5	410	34.88	1996	do .....	4	360	88.06
1817	Ohio .....	3	285	69.32	1997	do .....	4	335	119.21
1837	Pennsylvania .....	3	370	71.38	2002	do .....	4	360	59.75
1850	do .....	3	260	32.76	2023	do .....	4	470	62.86
1859	do .....	3	395	54.31	2051	do .....	4	410	61.25
1865	do .....	3	260	95.10	2053	do .....	4	395	73.22
1840	do .....	4	275	82.23	2065	do .....	4	395	94.84
1852	do .....	4	360	76.29	2074	do .....	4	445	38.09
1836	do .....	5	525	63.42	1940	do .....	5	500	31.70
1849	do .....	5	450	74.73	1949	do .....	5	450	31.47
1872	West Virginia .....	3	335	52.50	1968	do .....	5	520	32.33
1880	do .....	3	320	61.59	1982	do .....	5	410	48.64
1891	do .....	4	325	64.18	1999	do .....	5	500	83.63
1928	Germany .....	3	295	49.21	2000	do .....	5	450	62.84
1927	do .....	4	360	42.44	2003	do .....	5	485	65.86
1933	Great Britain .....	3	380	69.65	2007	do .....	5	485	54.18
1936	do .....	3	260	73.19	2020	do .....	5	560	69.23
1946	do .....	3	320	82.86	2059	do .....	5	500	88.24
1947	do .....	3	320	64.01	2068	do .....	5	500	59.43
1950	do .....	3	370	42.61	2072	do .....	5	510	46.83



## CONSUMPTION OF FOOD—Continued.

TABLE g.—BITUMINOUS COAL: COST, BY FAMILIES.

[The families embraced in this table consist of husband and wife and 3, 4, and 5 children, the eldest of which is under 15.]

Bud- get num- ber.	State.	Child- ren in fam- ily.	Units used.	Cost of food per 100 units.	Bud- get- num- ber.	State.	Child- ren in fam- ily.	Units used.	Cost of food per 100 units.
2103	Alabama.....	3	320	\$64.66	2392	Pennsylvania.....	4	395	\$43.65
2115	do.....	3	320	67.06	2414	do.....	4	335	44.93
2117	do.....	3	430	42.53	2476	do.....	4	520	31.02
2122	do.....	3	445	49.51	2482	do.....	4	410	53.50
2129	do.....	3	260	77.23	2491	do.....	4	300	48.43
2143	do.....	3	335	70.94	2534	do.....	4	335	61.31
2144	do.....	3	285	85.82	2561	do.....	4	485	38.08
2151	do.....	3	260	95.23	2575	do.....	4	300	60.65
2102	do.....	4	445	58.67	2588	do.....	4	335	70.18
2121	do.....	4	335	54.55	2593	do.....	4	335	60.48
2122	do.....	4	335	46.78	2314	do.....	5	435	65.15
2132	do.....	4	410	37.76	2327	do.....	5	425	43.15
2136	do.....	4	335	55.61	2387	do.....	5	560	50.99
2153	do.....	4	360	56.79	2467	do.....	5	375	44.25
2104	do.....	5	390	74.49	2472	do.....	5	460	38.65
2159	Indiana.....	3	320	28.19	2566	do.....	5	410	48.59
2187	do.....	3	380	34.61	2577	do.....	5	435	46.71
2188	do.....	3	370	42.64	2600	West Virginia.....	3	320	71.03
2162	do.....	4	395	31.09	2604	do.....	4	385	55.61
2168	do.....	4	325	45.35	2607	Belgium.....	3	335	71.55
2177	do.....	5	485	26.27	2608	do.....	4	485	47.81
2198	Ohio.....	3	285	60.96	2614	do.....	4	485	34.82
2209	do.....	3	260	62.69	2633	Great Britain.....	3	380	56.12
2214	do.....	3	355	39.57	2636	do.....	3	320	57.71
2242	do.....	3	320	55.94	2637	do.....	3	285	74.79
2253	do.....	3	260	85.73	2649	do.....	3	320	82.62
2257	do.....	3	285	43.82	2662	do.....	3	320	55.03
2259	do.....	3	260	61.49	2666	do.....	3	345	38.18
2285	do.....	3	260	70.84	2678	do.....	3	260	49.13
2203	do.....	4	360	55.81	2687	do.....	3	345	65.65
2213	do.....	4	410	31.16	2690	do.....	3	320	48.99
2233	do.....	4	485	36.39	2692	do.....	3	320	52.77
2252	do.....	4	520	37.17	2694	do.....	3	430	40.80
2286	do.....	4	335	52.27	2696	do.....	3	285	64.77
2197	do.....	5	485	37.25	2714	do.....	3	395	46.69
2200	do.....	5	435	63.73	2719	do.....	3	430	35.92
2226	do.....	5	485	40.45	2724	do.....	3	260	70.85
2320	Pennsylvania.....	3	320	92.08	2725	do.....	3	260	55.42
2323	do.....	3	430	44.49	2746	do.....	3	395	56.42
2358	do.....	3	320	62.53	2751	do.....	3	260	57.35
2360	do.....	3	260	99.48	2752	do.....	3	285	63.00
2367	do.....	3	260	59.26	2763	do.....	3	320	70.76
2370	do.....	3	285	50.75	2769	do.....	3	355	63.56
2371	do.....	3	285	60.04	2638	do.....	4	360	57.09
2384	do.....	3	370	43.43	2652	do.....	4	300	63.11
2388	do.....	3	395	61.79	2660	do.....	4	470	42.47
2394	do.....	3	320	94.72	2669	do.....	4	395	50.76
2423	do.....	3	285	56.39	2673	do.....	4	485	53.48
2427	do.....	3	320	59.86	2674	do.....	4	485	64.27
2433	do.....	3	370	54.70	2675	do.....	4	470	38.19
2451	do.....	3	285	74.29	2680	do.....	4	370	47.55
2458	do.....	3	260	83.21	2693	do.....	4	445	41.80
2471	do.....	3	320	68.40	2704	do.....	4	410	32.35
2489	do.....	3	260	66.60	2708	do.....	4	395	40.17
2496	do.....	3	370	54.32	2712	do.....	4	300	50.61
2497	do.....	3	395	63.59	2720	do.....	4	395	52.86
2526	do.....	3	260	87.63	2731	do.....	4	500	40.55
2592	do.....	3	320	71.13	2741	do.....	4	520	52.29
2300	do.....	4	520	31.93	2745	do.....	4	395	53.89
2302	do.....	4	395	83.29	2768	do.....	4	335	69.95
2310	do.....	4	410	61.35	2792	do.....	4	395	51.23
2321	do.....	4	425	57.17	2797	do.....	4	395	64.25
2336	do.....	4	360	46.89	2644	do.....	5	610	43.93
2342	do.....	4	300	73.73	2647	do.....	5	500	36.73
2345	do.....	4	470	54.08	2668	do.....	5	485	44.88
2347	do.....	4	395	55.87	2676	do.....	5	500	57.63
2361	do.....	4	410	60.12	2681	do.....	5	425	39.01
2369	do.....	4	460	51.24	2683	do.....	5	560	45.32
2378	do.....	4	395	43.29	2686	do.....	5	450	37.25
2385	do.....	4	520	54.25	2728	do.....	5		

## CONSUMPTION OF FOOD—Continued.

TABLE h.—COKE: COST, BY FAMILIES.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.
2081	Alabama .....	3	395	\$48.51	2849	Pennsylvania .....	4	425	\$64.98
2815	do. ....	3	380	45.62	2851	do. ....	4	395	64.05
2825	do. ....	3	380	48.79	2854	do. ....	4	470	53.29
2814	do. ....	4	300	79.50	2858	do. ....	4	360	47.08
2822	do. ....	4	375	52.20	2874	do. ....	4	395	78.90
2800	do. ....	5	465	57.81	2880	do. ....	4	395	49.30
2832	Pennsylvania .....	3	260	87.02	2891	do. ....	4	470	51.57
2839	do. ....	3	320	62.49	2893	do. ....	4	335	63.47
2840	do. ....	3	385	45.95	2914	do. ....	4	460	51.93
2841	do. ....	3	295	61.00	2918	do. ....	4	335	87.97
2847	do. ....	3	445	49.44	2929	do. ....	4	335	76.03
2859	do. ....	3	320	79.41	2937	do. ....	4	410	56.11
2872	do. ....	3	285	84.72	2941	do. ....	4	325	111.56
2877	do. ....	3	295	78.84	2964	do. ....	4	420	62.31
2878	do. ....	3	320	60.08	2966	do. ....	4	410	56.50
2879	do. ....	3	445	59.76	2968	do. ....	4	435	62.15
2883	do. ....	3	395	57.56	2971	do. ....	4	360	70.57
2905	do. ....	3	285	76.06	2973	do. ....	4	275	83.85
2920	do. ....	3	260	72.89	2974	do. ....	4	360	49.02
2921	do. ....	3	335	58.25	2871	do. ....	5	485	51.44
2943	do. ....	3	355	71.82	2896	do. ....	5	470	63.38
2944	do. ....	3	320	72.27	2908	do. ....	5	410	67.80
2955	do. ....	3	345	68.52	2997	do. ....	5	375	68.35
2957	do. ....	3	320	82.68	2998	do. ....	5	435	69.92
2961	do. ....	3	544	41.10	3016	Tennessee .....	3	380	34.40
2962	do. ....	3	260	103.73	3018	do. ....	3	395	29.53
2967	do. ....	3	260	36.17	3029	do. ....	4	335	32.96
2991	do. ....	3	260	84.78	3030	do. ....	4	505	25.47
3004	do. ....	3	320	56.26	3036	West Virginia .....	3	320	49.20
3006	do. ....	3	380	46.71	3033	do. ....	4	360	50.04
3012	do. ....	3	260	67.90	3043	do. ....	4	445	37.19
3013	do. ....	3	380	50.38	3070	Great Britain .....	3	260	88.22
2844	do. ....	4	410	63.48	3071	do. ....	4	470	43.69

TABLE i.—IRON ORE: COST, BY FAMILIES.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.	Bud- get num- ber.	State.	Chil- dren in fam- ily.	Units used.	Cost of food per 100 units.
3087	New York .....	3	260	\$73.90	3202	Pennsylvania .....	3	320	\$44.59
3106	do. ....	3	285	85.44	3208	do. ....	3	430	25.36
3081	do. ....	4	360	68.23	3163	do. ....	4	410	54.16
3110	do. ....	4	300	66.60	3190	do. ....	4	375	45.26
3091	do. ....	5	450	55.36	3193	do. ....	4	275	43.62
3113	do. ....	5	485	54.21	3203	do. ....	4	410	35.18
3127	Ohio .....	3	360	24.36	3166	do. ....	5	510	35.02
3132	do. ....	4	445	51.16	3217	Tennessee .....	3	260	59.81
3116	do. ....	5	375	55.52	3223	do. ....	4	450	32.95
3134	do. ....	5	485	56.67	3222	do. ....	5	375	35.79
3139	do. ....	5	435	32.81	3230	Virginia .....	3	285	38.07
3150	Pennsylvania .....	3	260	60.96	3240	do. ....	3	320	33.16
3155	do. ....	3	445	67.08	3248	Germany .....	3	235	75.10
3174	do. ....	3	380	34.74	3250	do. ....	5	425	38.26

## SUMMARY OF QUANTITY AND COST OF CERTAIN ARTICLES OF FOOD.

Table j, which follows, is a summary of facts drawn from the preceding tables. It brings into direct comparison the articles of food consumed per 100 units for all the families from each state named; a glance at it will bring out some exceedingly interesting comparisons; as, for instance, the consumption of potatoes in Alabama per 100 units for all the families involved, was 2.69 bushels, at a cost of \$2.42, or an average price per unit of quantity (bushel) of 90 cents. In Illinois the consumption of potatoes was 6.66 bushels per 100 units, at a cost of \$3.28 and an average price per bushel of 49 cents. Georgia shows 4.67 bushels to every 100 units of consumption, and a cost of \$2.69 for the same, at an average price per bushel of 56 cents. Of sugar, an article more universally used than any other, perhaps—certainly more than potatoes, because many families use no potatoes at all—we find that in Alabama the consumption per 100 units is 66.77 pounds, at a cost of \$6.44 and at an average price per pound of 10 cents. Georgia shows a consumption of 43.80 pounds, at a cost of \$3.80 per 100 units, and at an average price per pound of  $8\frac{3}{4}$  cents. In Illinois the consumption of sugar is 77.99 pounds, at a cost of \$6.21 per 100 units, with the average price of sugar at 8 cents per pound. Indiana shows for sugar a consumption of 43.85 pounds, at a cost of \$3.65 per 100 units, and the price of sugar  $8\frac{1}{2}$  cents per pound. New York families consume 81.55 pounds of sugar, at a cost of \$6.71 per 100 units, and the average cost of sugar is  $8\frac{1}{4}$  cents per pound. Omitting other states of this country which show the same features, and turning to Europe, we find that in Belgium the consumption of sugar is 8.35 pounds, at a cost of \$1.05 per 100 units, and the price of sugar is  $12\frac{3}{4}$  cents, and in France 11.76 pounds, at a cost of \$1.81 per 100 units, with the price of sugar  $15\frac{1}{2}$  cents. Germany shows a consumption of 22.87 pounds, at a cost of \$2.32 per 100 units, with the average of sugar 10 cents per pound, while in Great Britain the consumption is 47.61 pounds, at a cost of \$2.14 per 100 units, with the average price of sugar at  $4\frac{1}{2}$  cents. It would be interesting and important to trace these comparisons through for butter, lard, meat, eggs, flour, coffee, and tea; but Table j itself, which is herewith given, offers the opportunity for all such comparisons:



## CONSUMPTION OF FOOD—Continued.

TABLE J.—SUMMARY OF QUANTITY AND COST OF CERTAIN ARTICLES OF FOOD USED.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Articles of food.	Alabama.					Georgia.				
	Number of fam-ilies.	Num-ber of chil-dren.	Average per 100 units.		Aver-age price per unit of quan-tity.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Average per 100 units.		Aver-age price per unit of quan-tity.
			Quantity used.	Cost.				Quantity used.	Cost.	
Potatoes .....	50	181	2.69 bush.	\$2.42	\$0.90	3	11	4.67 bush.	\$2.69	\$0.56
Sugar .....	27	94	66.77 lbs.	6.44	.10	2	7	43.80 lbs.	3.80	.08½
Butter .....	47	171	11.30 lbs.	3.01	.26	3	11	18.78 lbs.	1.88	.10
Lard .....	54	196	36.33 lbs.	3.81	.10	1	3	7.69 doz.	1.15	.15
Meat .....	49	180	8.02 doz.	1.53	.19	3	11	20.81 lbs.	6.24	.30
Eggs .....	31	118	309.17 lbs.	9.71	.03					
Flour .....	50	181	12.44 lbs.	3.30	.26½					
Coffee .....	35	126	2.47 lbs.	1.30	.52					
Tea .....										
Illinois.						Indiana.				
Potatoes .....	12	44	6.66 bush.	3.28	.49	1	4	7.38 bush.	1.85	.25
Sugar .....	5	21	77.99 lbs.	6.21	.08	4	15	43.85 lbs.	3.65	.08½
Butter .....	12	46	36.96 lbs.	9.03	.24½	2	7	43.41 lbs.	5.43	.12½
Lard .....	8	28	35.07 lbs.	3.14	.09	6	22	125.54 lbs.	10.46	.08½
Meat .....	4	16	287.68 lbs.	28.88	.10	1	4	30.77 doz.	3.08	.10
Eggs .....	6	24	19.36 doz.	3.51	.18	6	22	261.10 lbs.	6.53	.02½
Flour .....	12	46	366.64 lbs.	10.19	.02½	5	18	11.06 lbs.	2.77	.25
Coffee .....	10	38	13.30 lbs.	3.60	.27					
Tea .....	7	29	5.95 lbs.	2.74	.46					
New York.						Ohio.				
Potatoes .....	33	126	4.82 bush.	2.45	.51	53	199	4.39 bush.	2.22	.50
Sugar .....	34	130	81.55 lbs.	6.71	.08½	60	227	52.88 lbs.	4.27	.08
Butter .....	33	126	44.18 lbs.	10.01	.22½	56	210	31.43 lbs.	6.84	.22
Lard .....	25	96	10.53 lbs.	1.20	.11½	21	75	18.74 lbs.	1.91	.10
Meat .....	29	110	13.36 doz.	2.27	.17	55	209	178.54 lbs.	20.97	.12
Eggs .....	20	75	306.13 lbs.	10.90	.03½	27	102	21.17 doz.	3.09	.14½
Flour .....	27	102	6.61 lbs.	2.09	.31½	66	244	301.10 lbs.	7.88	.02½
Coffee .....	34	130	6.71 lbs.	3.32	.50	68	258	10.65 lbs.	2.71	.25½
Tea .....						61	232	2.51 lbs.	1.41	.56
Pennsylvania.						Tennessee.				
Potatoes .....	199	700	4.51 bush.	2.79	.62	7	26	3.51 bush.	2.24	.63½
Sugar .....	164	582	65.45 lbs.	5.47	.08½	7	26	41.96 lbs.	3.76	.09
Butter .....	205	730	29.68 lbs.	7.16	.24	5	17	13.36 lbs.	2.88	.21
Lard .....	165	582	17.30 lbs.	1.78	.10	7	26	20.45 lbs.	2.38	.11½
Meat .....	123	430	161.01 lbs.	18.48	.11½	4	14	142.91 lbs.	11.91	.08½
Eggs .....	140	496	11.89 doz.	2.72	.17	4	14	3.66 doz.	.69	.19
Flour .....	121	422	272.27 lbs.	8.37	.03	4	14	210.53 lbs.	6.32	.03
Coffee .....	160	569	10.70 lbs.	2.92	.27	9	32	11.03 lbs.	3.03	.27½
Tea .....	151	537	6.57 lbs.	3.16	.48	2	7	.83 lbs.	.57	.68½
Virginia.						West Virginia.				
Potatoes .....	11	43	1.83 bush.	1.79	.98	10	38	4.11 bush.	2.32	.56½
Sugar .....	8	30	48.52 lbs.	4.64	.09½	9	35	35.25 lbs.	3.12	.09
Butter .....	12	47	21.07 lbs.	5.55	.26½	9	35	30.38 lbs.	8.11	.26½
Lard .....	12	47	27.90 lbs.	2.72	.10	10	38	21.32 lbs.	2.07	.09½
Meat .....	8	33	164.44 lbs.	18.96	.11	13	49	171.40 lbs.	18.18	.10½
Eggs .....	11	41	11.18 doz.	2.18	.19½	8	29	11.87 doz.	1.88	.15½
Flour .....	9	34	317.01 lbs.	9.42	.03	9	33	268.70 lbs.	8.02	.03
Coffee .....	8	33	15.91 lbs.	4.26	.27	11	42	11.70 lbs.	3.05	.26
Tea .....	3	12	2.13 lbs.	1.28	.60	8	32	1.71 lbs.	.95	.55½

## CONSUMPTION OF FOOD.—Continued.

TABLE j.—SUMMARY OF QUANTITY AND COST OF CERTAIN ARTICLES OF FOOD USED—Concluded.

Articles of food.	Belgium.					France.				
	Num- ber of fam- ilies.	Num- ber of chil- dren.	Average per 100 units.		Aver- age price per unit of quan- tity.	Num- ber of fam- ilies.	Num- ber of chil- dren.	Average per 100 units.		Aver- age price per unit of quan- tity.
			Quantity used.	Cost.				Quantity used.	Cost.	
Potatoes .....	8	28	6.66 bush.	\$3.23	\$0.42	3	10	2.33 bush.	\$1.66	\$0.71½
Sugar .....	11	38	8.35 lbs.	1.05	.12½	3	11	11.76 lbs.	1.81	.15½
Butter .....	14	50	29.37 lbs.	7.36	.25	4	14	23.30 lbs.	7.24	.31
Lard .....	5	17	10.70 lbs.	1.27	.12	3	10	13.40 lbs.	2.41	.18
Meat .....	11	40	51.25 lbs.	7.65	.15	5	17	43.17 lbs.	6.73	.15½
Eggs .....	2	7	14.50 doz.	2.56	.17½	1	4	11.06 doz.	2.56	.23
Flour .....	13	46	451.41 lbs.	1.29	.03					
Coffee .....	8	31	12.33 lbs.	3.76	.30½	4	14	12.43 lbs.	6.47	.52
Tea .....										
	Germany.					Great Britain.				
			Average per 100 units.					Average per 100 units.		
			Quantity used.	Cost.				Quantity used.	Cost.	
Potatoes .....	6	20	9.67 bush.	2.62	.27	122	458	3.64 bush.	2.25	.62
Sugar .....	10	36	22.87 lbs.	2.32	.10	133	497	47.61 lbs.	2.14	.04½
Butter .....	4	15	20.67 lbs.	5.78	.28	133	500	25.14 lbs.	6.07	.24
Lard .....						59	216	12.47 lbs.	1.52	.12
Meat .....	9	31	103.94 lbs.	13.00	.12½	6	23	100.74 lbs.	15.47	.15½
Eggs .....	1	3	22.13 doz.	4.74	.21½	2	7	6.41 doz.	1.75	.27½
Flour .....						103	384	219.68 lbs.	6.37	.02½
Coffee .....	2	8	7.88 lbs.	2.54	.32½	45	173	3.00 lbs.	1.15	.38
Tea .....						130	487	6.36 lbs.	3.32	.52

## CONSUMPTION OF FOOD—Continued.

TABLE K.—PIG IRON: SUMMARY OF QUANTITY OF FOOD USED IN CERTAIN SELECTED OCCUPATIONS.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.—Cindermen include cindermen and laborers, cinder snappers, cinder snappers and fillers, dumpers, and slagmen; fillers include cagemen, bottom fillers, coke fillers, stockhouse fillers, top fillers, and fillers and unloaders; iron handlers include iron breakers, iron budgers, iron carriers, metal breakers, metal carriers, and stock unloaders; keepers include founders, and keepers and laborers; keepers' helpers include helpers; laborers include iron carriers and laborers.]

Occupation.	Potatoes (bushels).			Sugar (pounds).			Butter (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Cindermen .....	11	40	4.78	11	40	51.43	11	41	30.45
Fillers .....	27	99	5.08	32	122	68.64	31	117	31.20
Iron handlers .....	19	67	4.77	16	56	57.56	21	73	30.17
Keepers .....	10	37	4.65	11	41	47.03	13	48	28.90
Keepers' helpers .....	10	35	4.25	10	35	66.37	12	42	28.67
Laborers .....	18	65	5.29	17	59	61.54	22	75	30.32
Total .....	95	343	4.80	97	353	60.73	110	396	30.21
Occupation.	Lard (pounds).			Meat (pounds).			Eggs (dozen).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Cindermen .....	3	10	15.21	5	18	186.54	2	7	11.50
Fillers .....	25	92	20.62	6	24	167.90	19	70	14.85
Iron handlers .....	14	51	21.35	9	34	189.21	11	40	11.16
Keepers .....	5	19	17.32	3	10	197.88	4	14	13.51
Keepers' helpers .....	11	38	19.40	7	25	186.89	9	32	11.07
Laborers .....	15	54	15.87	7	25	186.89	12	43	12.23
Total .....	73	264	19.24	30	111	184.53	57	206	12.72
Occupation.	Flour (pounds).			Coffee (pounds).			Tea (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Cindermen .....	11	40	280.92	6	22	10.51	6	22	4.10
Fillers .....	32	121	328.57	13	51	7.54	17	65	6.01
Iron handlers .....	19	63	335.12	16	56	10.63	14	50	3.96
Keepers .....	7	28	316.46	6	22	7.01	8	30	5.17
Keepers' helpers .....	8	28	260.42	8	23	10.94	7	24	6.86
Laborers .....	18	66	304.23	9	34	10.46	6	21	5.66
Total .....	95	346	313.15	58	214	9.48	58	212	5.25



## CONSUMPTION OF FOOD—Continued.

**TABLE 1.—BAR IRON: SUMMARY OF QUANTITY OF FOOD USED IN CERTAIN SELECTED OCCUPATIONS.**

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.—Shearmen include catchers.]

Occupation.	Potatoes (bushels).			Sugar (pounds).			Butter (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Heaters .....	8	26	4.82	7	24	43.81	9	30	37.50
Heaters' helpers .....	2	8	2.69	2	8	54.36	2	8	24.36
Laborers .....	13	45	3.02	13	47	57.98	14	50	17.67
Puddlers .....	20	76	5.16	17	63	56.18	20	78	28.40
Puddlers' helpers .....	2	6	5.40	2	6	55.56	3	9	16.35
Rollers .....	10	34	3.99	12	40	52.67	10	34	38.91
Rollers' helpers .....	2	7	5.44	2	7	47.79	2	7	35.29
Roughers .....	4	16	4.25	2	6	70.69	3	13	34.80
Shearmen .....	5	19	3.62	4	16	66.04	4	16	28.18
<b>Total.....</b>	<b>66</b>	<b>237</b>	<b>4.28</b>	<b>61</b>	<b>217</b>	<b>55.33</b>	<b>67</b>	<b>245</b>	<b>28.56</b>
	Lard (pounds).			Meat (pounds).			Eggs (dozen).		
Heaters .....	5	17	21.77	4	13	128.60	5	16	11.61
Heaters' helpers .....	1	3	40.68	1	5	115.46	2	8	31.54
Laborers .....	10	34	11.47	10	34	142.24	10	35	12.87
Puddlers .....	14	52	23.02	12	44	127.28	16	61	12.77
Puddlers' helpers .....	2	6	32.70	2	6	112.89	2	6	10.32
Rollers .....	2	6	16.00	2	6	206.56	2	6	16.29
Rollers' helpers .....							2	7	8.09
Roughers .....	1	5	16.00	2	8	204.27	2	6	6.38
Shearmen .....	1	3	12.50	3	9	151.14	3	11	33.21
<b>Total.....</b>	<b>36</b>	<b>126</b>	<b>19.46</b>	<b>36</b>	<b>125</b>	<b>140.39</b>	<b>44</b>	<b>156</b>	<b>14.56</b>
	Flour (pounds).			Coffee (pounds).			Tea (pounds).		
Heaters .....	4	14	332.93	8	27	10.50	7	23	4.33
Heaters' helpers .....	1	5	307.22	2	8	11.28	1	5	2.47
Laborers .....	12	42	198.07	12	43	8.57	12	43	6.08
Puddlers .....	15	60	288.33	18	71	12.04	16	62	5.98
Puddlers' helpers .....	2	6	229.63	3	9	20.30	3	9	3.96
Rollers .....	1	3	228.07	9	31	6.73	10	34	5.71
Rollers' helpers .....				2	7	6.91	2	7	2.79
Roughers .....	1	5	217.78	3	13	14.57	3	13	6.14
Shearmen .....	4	14	243.90	5	19	14.11	4	16	4.28
<b>Total.....</b>	<b>40</b>	<b>149</b>	<b>256.40</b>	<b>62</b>	<b>228</b>	<b>10.92</b>	<b>58</b>	<b>212</b>	<b>5.40</b>

## CONSUMPTION OF FOOD—Continued.

TABLE m.—STEEL: SUMMARY OF QUANTITY OF FOOD USED IN CERTAIN SELECTED OCCUPATIONS.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.—Buggymen include wheelers; heaters include melters; heaters' helpers include helpers, and melters' helpers; hookers include hookers-up.

Occupation.	Potatoes (bushels).			Sugar (pounds).			Butter (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Buggymen .....	4	13	3.50	3	10	41.33	4	13	24.83
Heaters .....	4	18	4.41	5	22	42.70	5	22	24.23
Heaters' helpers .....	10	37	3.49	10	37	45.78	10	37	30.90
Hookers .....	3	9	4.20	3	9	46.03	3	9	32.33
Laborers .....	5	19	3.32	5	19	62.14	5	19	25.67
Pitmen .....	5	19	2.89	5	19	61.42	5	19	37.11
Puddlers .....	2	8	3.38	2	8	85.71	2	8	36.36
Rollers .....	5	19	3.10	5	18	52.99	6	22	40.60
Shearmen .....	2	6	3.97	2	6	78.23	2	6	30.69
Total .....	40	148	3.52	40	148	53.34	42	155	31.35
	Lard (pounds).			Meat (pounds).			Eggs (dozen).		
Buggymen .....	2	7	19.58	1	4	130.00	2	7	6.99
Heaters .....	2	6	12.70	2	6	197.30	3	10	9.76
Heaters' helpers .....	1	3	5.26	1	3	118.64	2	6	5.16
Hookers .....	5	19	7.06	2	6	138.88	5	19	7.11
Laborers .....	3	11	12.62	2	7	184.46	3	11	8.06
Pitmen .....	2	8	11.95	1	5	199.11	2	8	12.73
Puddlers .....	3	11	9.07				1	4	8.96
Rollers .....	1	3	11.54				1	3	19.23
Shearmen .....									
Total .....	19	68	10.71	9	31	166.36	19	68	8.61
	Flour (pounds).			Coffee (pounds).			Tea (pounds).		
Buggymen .....	3	9	173.88	4	13	3.08	4	13	4.69
Heaters .....	3	13	118.45	3	13	2.95	4	18	5.14
Heaters' helpers .....	10	37	175.16	7	24	6.68	10	37	7.87
Hookers .....	2	6	196.00	3	9	4.66	3	9	5.11
Laborers .....	3	11	270.09	3	10	9.02	4	16	6.13
Pitmen .....	5	19	209.65	5	19	7.85	5	19	6.54
Puddlers .....	2	8	180.91	2	8	12.47	2	8	8.31
Rollers .....	5	19	199.41	2	8	3.54	6	22	8.17
Shearmen .....	2	6	183.45	1	3	19.23	2	6	5.17
Total .....	35	128	188.30	30	107	6.44	40	148	6.65

## CONSUMPTION OF FOOD—Continued.

**TABLE II.—BITUMINOUS COAL: SUMMARY OF QUANTITY OF FOOD USED IN CERTAIN SELECTED OCCUPATIONS.**

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.—Miners include bank men, head cutters, and head cutters and miners.]

Occupation.	Potatoes (bushels).			Sugar (pounds).			Butter (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Laborers .....	4	13	3.71	2	6	48.75	4	13	21.67
Miners .....	54	198	4.48	38	142	53.92	59	219	26.09
Screeners .....	3	11	3.47	3	11	61.87	3	11	13.87
Total .....	61	222	4.39	43	159	54.27	66	243	25.31
Occupation.	Lard (pounds).			Meat (pounds).			Eggs (dozen).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Laborers .....	4	13	13.11	19	67	149.48	14	51	16.40
Miners .....	36	133	21.61	19	67	149.48	14	51	16.40
Screeners .....	3	11	12.27	19	67	149.48	14	51	16.40
Total .....	43	157	20.28	19	67	149.48	14	51	16.40
Occupation.	Flour (pounds).			Coffee (pounds).			Tea (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Laborers .....	2	6	187.50	1	3	18.25	2	6	8.13
Miners .....	39	146	304.44	52	187	10.09	59	215	4.67
Screeners .....	3	11	248.89	1	4	2.93	3	11	6.13
Total .....	44	163	296.19	54	194	10.06	64	232	4.83



## CONSUMPTION OF FOOD—Continued.

**TABLE o.—COKE: SUMMARY OF QUANTITY OF FOOD USED IN CERTAIN SELECTED OCCUPATIONS.**

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Occupation.	Potatoes (bushels).			Sugar (pounds).			Butter (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Chargers.....	4	15	4.56	3	11	49.17	4	15	14.98
Drawers.....	32	113	3.92	32	115	59.12	33	117	32.29
Forkers.....	2	6	4.40	2	6	67.33	1	3	45.07
Levellers.....	3	11	5.21	4	15	49.83	2	8	26.38
<b>Total.....</b>	<b>41</b>	<b>145</b>	<b>4.11</b>	<b>41</b>	<b>147</b>	<b>57.81</b>	<b>40</b>	<b>143</b>	<b>30.42</b>
Occupation.	Lard (pounds).			Meat (pounds).			Eggs (dozen).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Chargers.....	4	15	28.40	3	12	135.15	3	11	22.79
Drawers.....	27	97	21.16	34	120	145.53	25	90	20.21
Forkers.....	2	6	22.67	4	13	157.09	1	3	28.17
Levellers.....	3	11	17.67	4	15	118.11	3	11	27.07
<b>Total.....</b>	<b>36</b>	<b>129</b>	<b>21.81</b>	<b>45</b>	<b>160</b>	<b>143.35</b>	<b>32</b>	<b>115</b>	<b>21.94</b>
Occupation.	Flour (pounds).			Coffee (pounds).			Tea (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Chargers.....	4	15	317.49	4	15	8.08	4	15	4.82
Drawers.....	10	35	317.49	31	110	10.72	29	105	3.23
Forkers.....	2	7	191.78	3	9	9.52	2	6	1.33
Levellers.....	1	4	248.10	4	15	10.10	4	15	2.76
<b>Total.....</b>	<b>13</b>	<b>46</b>	<b>293.80</b>	<b>42</b>	<b>149</b>	<b>10.31</b>	<b>39</b>	<b>141</b>	<b>3.25</b>

**TABLE p.—IRON ORE: SUMMARY OF QUANTITY OF FOOD USED IN CERTAIN SELECTED OCCUPATIONS.**

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.—Laborers include laborers and miners.]

Occupation.	Potatoes (bushels).			Sugar (pounds).			Butter (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Laborers.....	2	6	8.37	1	5	12.24	2	8	17.45
Miners.....	8	32	4.98	10	40	48.27	11	37	30.68
<b>Total.....</b>	<b>10</b>	<b>38</b>	<b>5.68</b>	<b>11</b>	<b>45</b>	<b>44.46</b>	<b>13</b>	<b>45</b>	<b>28.56</b>
Occupation.	Lard (pounds).			Meat (pounds).			Eggs (dozen).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Laborers.....	8	31	19.29	4	17	127.45	8	29	11.71
Miners.....	8	31	19.29	4	17	127.45	8	29	11.71
<b>Total.....</b>	<b>8</b>	<b>31</b>	<b>19.29</b>	<b>4</b>	<b>17</b>	<b>127.45</b>	<b>8</b>	<b>29</b>	<b>11.71</b>
Occupation.	Flour (pounds).			Coffee (pounds).			Tea (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Laborers.....	3	10	456.92	2	8	5.64	5	20	3.51
Miners.....	7	25	340.28	10	39	8.17	5	20	3.51
<b>Total.....</b>	<b>10</b>	<b>35</b>	<b>374.40</b>	<b>12</b>	<b>47</b>	<b>7.73</b>	<b>5</b>	<b>20</b>	<b>3.51</b>

## CONSUMPTION OF FOOD—Continued.

TABLE q.—MISCELLANEOUS: SUMMARY OF QUANTITY OF FOOD USED IN CERTAIN SELECTED OCCUPATIONS.

[The families embraced in this table consist of husband and wife and 3, 4, or 5 children, the eldest of which is under 15.]

Occupation.	Potatoes (bushels).			Sugar (pounds).			Butter (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Blacksmiths .....	11	39	3.27	9	32	55.23	11	39	20.97
Bricklayers .....	1	4	4.74	2	8	63.41	2	8	31.71
Carpenters .....	9	34	3.64	8	30	74.70	7	28	17.02
Engineers .....	17	65	3.80	16	62	61.71	19	73	24.04
Firemen .....	10	35	4.73	7	26	53.86	8	27	38.59
Machinists .....	7	26	2.85	5	17	72.25	6	22	25.80
Teamsters .....	7	25	3.81	5	18	41.16	6	22	29.26
Total .....	62	228	3.74	52	193	60.55	59	219	25.37
Occupation.	Lard (pounds).			Meat (pounds).			Eggs (dozen).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Blacksmiths .....	9	32	14.53	5	18	180.46	5	18	9.39
Bricklayers .....	2	8	22.20	1	4	217.31	3	10	9.49
Carpenters .....	10	38	19.87	4	13	145.95	12	46	15.49
Engineers .....	13	49	24.11	7	28	203.50	6	19	16.02
Firemen .....	8	27	18.73	2	9	114.81	4	16	27.53
Machinists .....	6	22	25.56	5	21	193.03	4	14	10.17
Teamsters .....	7	25	15.06	2	7	90.15			
Total .....	55	201	19.90	26	100	173.83	34	123	14.99
Occupation.	Flour (pounds).			Coffee (pounds).			Tea (pounds).		
	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.	Num-ber of fam-ilies.	Num-ber of chil-dren.	Quan-tity used per 100 units.
Blacksmiths .....	7	27	277.99	7	25	9.29	9	32	5.51
Bricklayers .....	2	8	237.80	6	22	10.71	1	4	8.25
Carpenters .....	5	20	416.65	15	57	10.96	7	27	4.80
Engineers .....	16	62	291.83	4	13	10.11	15	58	4.74
Firemen .....	7	23	283.34	6	24	11.90	7	24	4.67
Machinists .....	7	27	315.60	8	29	11.28	5	19	6.08
Teamsters .....	2	8	189.21				6	21	5.36
Total .....	46	175	297.89	46	170	10.78	50	185	5.17

## DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

Under this title are presented Tables r to z, which show the facts indicated for each industry involved, commencing with pig iron. In these tables, which exhibit the tendency to a decrease in the cost of food per 100 units as the number of children increases, the downward tendency is nearly always present and is quite emphatically marked by the method of presentation: first, for families having no children or but one child; second, families having two or three children, respectively, and third, families having four or five children. The table follows:

## CONSUMPTION OF FOOD—Continued.

**TABLE r.—PIG IRON: DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.**

[No relation can be established between Table j, which includes only families with 3, 4, and 5 children, and relates only to certain specified articles of food, and this table, which is devised to illustrate the decreasing cost per capita for food as families increase in size, and therefore includes those with no children, with 1, and with 2 children, as well as those with 3, 4, and 5, and covers the expenditure for every sort of food.]

State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.	State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.
<b>ALABAMA.</b>				<b>PENNSYLVANIA—concluded.</b>			
No children.....	35	190	\$83.82	4 children.....	21	392	\$64.14
1 child.....	18	239	73.72	5 children.....	9	480	48.85
2 children.....	12	269	70.03	Total and average....	147	288	75.96
3 children.....	11	345	54.86	<b>TENNESSEE.</b>			
4 children.....	11	431	50.97	No children.....	3	190	76.10
5 children.....	3	427	51.90	1 child.....	1	220	64.07
Total and average....	90	267	67.38	2 children.....	2	345	53.64
<b>GEORGIA.</b>				3 children.....	1	300	61.07
No children.....	4	190	63.05	4 children.....	1	300	61.07
1 child.....	2	218	66.49	5 children.....			
2 children.....	2	220	53.76	Total and average....	7	254	63.37
3 children.....	1	260	73.85	<b>VIRGINIA.</b>			
4 children.....	2	363	36.63	No children.....	1	190	54.08
5 children.....				1 child.....	1	205	101.76
Total and average....	11	238	55.82	2 children.....	1	295	38.47
<b>ILLINOIS.</b>				3 children.....	2	248	64.77
No children.....	4	190	135.73	4 children.....			
1 child.....	4	220	96.00	5 children.....	1	340	35.85
2 children.....	1	230	93.93	Total and average....	6	254	56.88
3 children.....	3	423	71.79	<b>WEST VIRGINIA.</b>			
4 children.....				No children.....			
5 children.....	1	485	66.71	1 child.....			
Total and average....	13	283	91.82	2 children.....	2	263	77.81
<b>NEW YORK.</b>				3 children.....	2	328	62.94
No children.....	2	190	79.91	4 children.....			
1 child.....	12	232	87.26	5 children.....	3	453	56.48
2 children.....	7	231	86.40	Total and average....	7	363	62.55
3 children.....	3	322	68.26	<b>BELGIUM.</b>			
4 children.....	7	336	75.74	No children.....	2	190	54.22
5 children.....	1	425	40.84	1 child.....			
Total and average....	32	266	79.12	2 children.....			
<b>OHIO.</b>				3 children.....			
No children.....	8	190	90.61	4 children.....	1	485	28.93
1 child.....	13	229	73.61	5 children.....			
2 children.....	5	264	81.36	Total and average....	3	238	40.04
3 children.....	12	320	70.04	<b>GREAT BRITAIN.</b>			
4 children.....	13	410	56.85	No children.....	3	190	65.28
5 children.....	4	414	58.30	1 child.....	12	211	73.99
Total and average....	55	305	68.14	2 children.....	11	280	69.73
<b>PENNSYLVANIA.</b>				3 children.....	10	325	63.35
No children.....	22	190	99.28	4 children.....	9	400	57.54
1 child.....	28	224	86.61	5 children.....	1	510	33.94
2 children.....	30	251	87.64	Total and average....	46	294	64.22
3 children.....	37	320	72.79				



## CONSUMPTION OF FOOD—Continued

TABLE S.—BAR IRON: DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.	State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.
<b>ALABAMA.</b>				<b>TENNESSEE—concluded.</b>			
No children.....	1	190	\$79.68	4 children.....	1	350	\$57.86
1 child.....	5	246	75.03	5 children.....			
2 children.....	6	261	87.61				
3 children.....	4	303	81.41	Total and average....	10	235	62.71
4 children.....	1	420	63.79				
5 children.....	2	483	62.51	<b>VIRGINIA.</b>			
Total and average....	19	294	77.09	No children.....	2	190	86.37
<b>ILLINOIS.</b>				1 child.....	1	230	82.24
No children.....	4	190	129.04	2 children.....	2	275	73.52
1 child.....	4	220	100.42	3 children.....	1	320	62.03
2 children.....	3	273	113.82	4 children.....	5	414	63.35
3 children.....	2	363	62.78	5 children.....	2	493	67.74
4 children.....				Total and average....	13	349	68.33
5 children.....	3	432	72.35				
Total and average....	16	280	93.52	<b>BELGIUM.</b>			
<b>NEW YORK.</b>				No children.....	5	190	54.53
No children.....	2	190	101.17	1 child.....	9	231	45.58
1 child.....	1	205	90.00	2 children.....	5	225	53.40
2 children.....	5	250	83.49	3 children.....	6	363	32.38
3 children.....	2	290	78.21	4 children.....	6	422	41.00
4 children.....	1	460	54.41	5 children.....	1	485	19.35
5 children.....				Total and average....	32	292	41.76
Total and average....	11	261	80.57				
<b>OHIO.</b>				<b>FRANCE.</b>			
No children.....	17	190	97.06	No children.....	2	190	96.40
1 child.....	21	221	87.70	1 child.....			
2 children.....	26	281	76.30	2 children.....			
3 children.....	11	305	78.39	3 children.....	3	337	62.87
4 children.....	6	419	55.20	4 children.....	2	440	47.27
5 children.....	6	458	56.14	5 children.....			
Total and average....	87	274	77.08	Total and average....	7	324	62.44
<b>PENNSYLVANIA.</b>							
No children.....	48	190	129.85	<b>GERMANY.</b>			
1 child.....	29	224	111.64	No children.....			
2 children.....	34	263	99.17	1 child.....	2	205	49.97
3 children.....	39	330	82.84	2 children.....	2	263	52.42
4 children.....	16	401	69.41	3 children.....	5	318	36.73
5 children.....	2	470	69.97	4 children.....	1	425	28.91
Total and average....	168	267	97.65	5 children.....	1	375	35.78
<b>TENNESSEE.</b>				Total and average....	11	302	39.73
No children.....	5	190	82.21				
1 child.....	2	243	52.36	<b>GREAT BRITAIN.</b>			
2 children.....	2	283	41.84	No children.....	13	190	80.07
3 children.....				1 child.....	12	218	69.46
				2 children.....	21	274	66.61
				3 children.....	8	314	58.21
				4 children.....	8	399	61.25
				5 children.....	6	499	52.33
				Total and average....	68	287	65.04

## CONSUMPTION OF FOOD—Continued.

TABLE t.—STEEL: DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.	State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.
<b>ALABAMA.</b>				<b>PENNSYLVANIA.</b>			
No children.....	1	190	\$59.37	No children.....	4	190	\$105.15
1 child.....				1 child.....	3	205	111.63
2 children.....				2 children.....	13	257	83.25
3 children.....	1	380	37.50	3 children.....	4	321	73.23
4 children.....				4 children.....	2	318	78.86
5 children.....				5 children.....	2	488	68.64
Total and average....	2	285	44.79	Total and average....	28	272	83.80
<b>ILLINOIS.</b>				<b>WEST VIRGINIA.</b>			
No children.....	2	190	98.84	No children.....	5	190	83.30
1 child.....	5	234	101.44	1 child.....	3	250	68.46
2 children.....	5	269	109.98	2 children.....	4	275	65.74
3 children.....	3	277	109.23	3 children.....	2	328	56.94
4 children.....				4 children.....	1	325	64.18
5 children.....	2	418	69.82	5 children.....			
Total and average....	17	268	99.37	Total and average....	15	252	69.03
<b>NEW YORK.</b>				<b>GERMANY.</b>			
No children.....	5	190	81.90	No children.....			
1 child.....	5	205	102.21	1 child.....	1	205	56.36
2 children.....	5	276	80.91	2 children.....	2	288	51.53
3 children.....	4	339	81.54	3 children.....	1	295	49.21
4 children.....	8	361	71.53	4 children.....	1	360	42.45
5 children.....	2	363	62.37	5 children.....			
Total and average....	29	287	78.87	Total and average....	5	287	49.47
<b>OHIO.</b>				<b>GREAT BRITAIN.</b>			
No children.....	3	190	87.36	No children.....	17	190	101.00
1 child.....				1 child.....	10	210	112.35
2 children.....				2 children.....	12	265	65.54
3 children.....	1	285	69.32	3 children.....	20	325	82.32
4 children.....				4 children.....	12	403	65.98
5 children.....				5 children.....	12	489	56.48
Total and average....	4	214	81.35	Total and average....	83	310	76.07

## CONSUMPTION OF FOOD—Continued.

TABLE II.—BITUMINOUS COAL: DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.	State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.
ALABAMA.				PENNSYLVANIA—concluded.			
No children.....	10	190	\$92.52	4 children.....	22	400	\$52.76
1 child.....	11	232	81.77	5 children.....	7	443	48.34
2 children.....	4	305	67.95	Total and average....	127	284	69.73
3 children.....	8	332	66.12	WEST VIRGINIA.			
4 children.....	6	370	51.63	No children.....			
5 children.....	1	396	74.49	1 child.....			
Total and average....	40	273	71.92	2 children.....			
INDIANA.				3 children.....	1	320	71.03
No children.....	5	190	50.47	4 children.....	1	385	55.61
1 child.....	7	205	46.11	5 children.....			
2 children.....	6	286	47.40	Total and average....	2	353	62.61
3 children.....	3	357	35.46	BELGIUM.			
4 children.....	2	360	37.53	No children.....	1	190	72.29
5 children.....	1	485	26.27	1 child.....			
Total and average....	24	266	42.84	2 children.....			
OHIO.				3 children.....	1	335	71.55
No children.....	9	190	63.41	4 children.....	2	485	41.32
1 child.....	10	231	70.79	5 children.....			
2 children.....	12	282	61.68	Total and average....	4	374	52.03
3 children.....	8	286	59.00	GREAT BRITAIN.			
4 children.....	5	422	41.40	No children.....	10	190	80.11
5 children.....	3	468	46.55	1 child.....	5	244	72.59
Total and average....	47	281	58.18	2 children.....	22	275	65.73
PENNSYLVANIA.				3 children.....	21	328	56.52
No children.....	23	190	90.61	4 children.....	19	412	50.35
1 child.....	26	227	83.95	5 children.....	8	513	45.34
2 children.....	28	257	79.02	Total and average....	85	329	57.45
3 children.....	21	319	65.84				



## CONSUMPTION OF FOOD Continued.

TABLE V.—COKE: DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.	State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.
<b>ALABAMA.</b>				<b>TENNESSEE—concluded.</b>			
No children.....	7	190	\$74.02	4 children.....	2	420	\$28.45
1 child.....	2	273	52.97	5 children.....			
2 children.....	5	306	57.26	Total and average....	9	309	34.33
3 children.....	3	385	47.65	<b>WEST VIRGINIA.</b>			
4 children.....	2	338	64.35	No children.....	2	190	59.25
5 children.....	1	465	57.81	1 child.....	3	233	57.97
Total and average....	20	285	59.70	2 children.....	3	257	51.59
<b>PENNSYLVANIA.</b>				3 children.....	1	320	49.20
No children.....	27	190	93.04	4 children.....	2	403	43.34
1 child.....	15	222	80.69	5 children.....			
2 children.....	22	290	69.83	Total and average....	11	270	51.58
3 children.....	26	322	67.77	<b>GREAT BRITAIN.</b>			
4 children.....	20	389	63.97	No children.....	2	190	79.19
5 children.....	5	435	63.72	1 child.....	2	280	62.43
Total and average....	115	288	72.21	2 children.....	2	270	60.55
<b>TENNESSEE.</b>				3 children.....	1	260	88.22
No children.....	2	190	49.92	4 children.....	1	470	43.69
1 child.....	2	235	36.07	5 children.....			
2 children.....	1	320	34.50	Total and average....	8	276	63.90
3 children.....	2	388	31.92				

TABLE W.—IRON ORE: DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

<b>NEW YORK.</b>				<b>TENNESSEE.</b>			
No children.....				No children.....	1	190	\$55.08
1 child.....	3	222	\$69.90	1 child.....			
2 children.....	1	245	65.82	2 children.....	1	340	47.63
3 children.....	2	273	79.94	3 children.....	1	260	59.81
4 children.....	2	330	67.49	4 children.....	1	450	32.95
5 children.....	2	468	54.76	5 children.....	1	375	35.79
Total and average....	10	305	66.20	Total and average....	5	323	43.63
<b>OHIO.</b>				<b>VIRGINIA.</b>			
No children.....	3	190	59.81	No children.....	2	190	50.05
1 child.....	5	229	56.46	1 child.....	2	265	35.07
2 children.....	6	258	58.58	2 children.....	1	245	56.84
3 children.....	1	360	24.36	3 children.....	2	303	35.47
4 children.....	1	445	54.16	4 children.....			
5 children.....	3	432	48.32	5 children.....			
Total and average....	19	282	53.12	Total and average....	7	251	41.47
<b>PENNSYLVANIA.</b>				<b>GERMANY.</b>			
No children.....	11	190	59.43	No children.....			
1 child.....	10	214	65.33	1 child.....			
2 children.....	2	308	63.61	2 children.....	1	245	51.33
3 children.....	5	367	45.82	3 children.....	1	235	75.10
4 children.....	4	368	44.62	4 children.....			
5 children.....	1	510	35.02	5 children.....	1	425	38.20
Total and average....	33	262	54.47	Total and average....	3	302	51.36

## CONSUMPTION OF FOOD—Continued.

TABLE X.—PIG IRON, BAR IRON, AND STEEL COMBINED:  
DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.	State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.
<b>ALABAMA.</b>				<b>TENNESSEE—concluded.</b>			
No children.....	37	190	\$83.05	4 children.....	2	325	\$59.34
1 child.....	23	241	74.01	5 children.....			
2 children.....	18	266	75.77	Total and average....	17	243	63.00
3 children.....	16	337	59.60				
4 children.....	12	430	52.01	<b>VIRGINIA.</b>			
5 children.....	5	449	56.46	No children.....	3	190	75.61
Total and average....	111	272	68.75	1 child.....	2	218	91.44
<b>GEORGIA.</b>				2 children.....	3	282	61.29
No children.....	4	190	63.05	3 children.....	3	272	63.69
1 child.....	2	218	66.49	4 children.....	5	414	63.35
2 children.....	2	220	53.76	5 children.....	3	442	59.56
3 children.....	1	260	73.85	Total and average....	19	319	65.45
4 children.....	2	363	36.63				
5 children.....				<b>WEST VIRGINIA.</b>			
Total and average....	11	238	55.82	No children.....	5	190	83.30
<b>ILLINOIS.</b>				1 child.....	3	250	68.46
No children.....	10	190	125.68	2 children.....	6	271	69.64
1 child.....	13	225	99.50	3 children.....	4	328	59.94
2 children.....	9	272	109.43	4 children.....	1	325	64.18
3 children.....	8	353	80.47	5 children.....	3	453	56.48
4 children.....				Total and average....	22	287	66.43
5 children.....	6	436	70.49				
Total and average....	46	276	95.13	<b>BELGIUM.</b>			
<b>NEW YORK.</b>				No children.....	7	190	54.44
No children.....	9	190	85.74	1 child.....	9	231	45.58
1 child.....	18	223	91.22	2 children.....	5	225	53.40
2 children.....	17	250	83.76	3 children.....	6	363	32.38
3 children.....	9	322	76.45	4 children.....	7	431	39.06
4 children.....	16	357	71.88	5 children.....	1	485	19.35
5 children.....	3	383	54.41	Total and average....	35	292	41.61
Total and average....	72	274	79.23				
<b>OHIO.</b>				<b>FRANCE.</b>			
No children.....	28	190	94.18	No children.....	2	190	96.40
1 child.....	34	224	82.20	1 child.....			
2 children.....	31	281	77.12	2 children.....			
3 children.....	24	312	73.76	3 children.....	3	337	62.87
4 children.....	19	413	56.32	4 children.....	2	440	47.27
5 children.....	10	441	56.95	5 children.....			
Total and average....	146	284	73.55	Total and average....	7	324	62.44
<b>PENNSYLVANIA.</b>							
No children.....	74	190	119.43	<b>GERMANY.</b>			
1 child.....	60	223	99.92	No children.....	3	205	52.10
2 children.....	77	257	92.11	1 child.....	4	275	51.96
3 children.....	80	325	77.79	2 children.....	6	314	38.68
4 children.....	39	392	66.96	3 children.....	2	393	35.12
5 children.....	13	480	55.13	4 children.....	1	375	35.78
Total and average....	343	276	86.84	5 children.....			
<b>TENNESSEE.</b>				Total and average....	16	298	42.67
No children.....	8	190	79.91				
1 child.....	2	243	52.36	<b>GREAT BRITAIN.</b>			
2 children.....	3	262	48.07	No children.....	33	190	89.50
3 children.....	2	345	53.64	1 child.....	34	213	83.46
				2 children.....	44	273	67.13
				3 children.....	38	323	72.35
				4 children.....	29	401	62.89
				5 children.....	19	493	53.93
				Total and average....	197	298	69.68

## CONSUMPTION OF FOOD—Continued.

TABLE y.—BITUMINOUS COAL, COKE, AND IRON ORE COMBINED: DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.	State and size of family.	Families.	Average units of consumption per family.	Average expense for food per 100 units of consumption.
<b>ALABAMA.</b>				<b>TENNESSEE—concluded.</b>			
No children.....	17	190	\$34.90	4 children.....	3	430	\$30.02
1 child.....	13	238	76.70	5 children.....	1	375	35.79
2 children.....	9	306	62.01	Total and average....	14	314	37.74
3 children.....	11	346	60.52	<b>VIRGINIA.</b>			
4 children.....	8	362	54.59	No children.....	2	190	50.05
5 children.....	2	428	65.42	1 child.....	2	265	35.07
Total and average....	60	277	67.73	2 children.....	1	245	56.84
<b>INDIANA.</b>				3 children.....	2	303	35.47
No children.....	5	190	50.47	4 children.....			
1 child.....	7	205	46.11	5 children.....			
2 children.....	6	286	47.40	Total and average....	7	251	41.47
3 children.....	3	357	35.46	<b>WEST VIRGINIA.</b>			
4 children.....	2	360	37.53	No children.....	2	190	59.25
5 children.....	1	485	26.27	1 child.....	3	233	57.97
Total and average....	24	266	42.84	2 children.....	3	257	51.59
<b>NEW YORK.</b>				3 children.....	2	320	60.12
No children.....				4 children.....	3	397	47.31
1 child.....	3	222	69.90	Total and average....	13	283	53.69
2 children.....	1	245	65.82	<b>BELGIUM.</b>			
3 children.....	2	273	79.94	No children.....	1	190	72.29
4 children.....	2	330	67.49	1 child.....			
5 children.....	2	468	54.76	2 children.....			
Total and average....	10	305	66.20	3 children.....	1	335	71.55
<b>OHIO.</b>				4 children.....	2	485	41.32
No children.....	12	190	62.51	5 children.....			
1 child.....	15	230	66.04	Total and average....	4	374	52.03
2 children.....	18	274	60.71	<b>GERMANY.</b>			
3 children.....	9	294	54.28	No children.....			
4 children.....	6	426	43.62	1 child.....			
5 children.....	6	450	47.40	2 children.....	1	245	51.33
Total and average....	66	281	56.72	3 children.....	1	235	75.10
<b>PENNSYLVANIA.</b>				4 children.....			
No children.....	61	190	86.06	5 children.....	1	425	38.26
1 child.....	51	223	79.58	Total and average....	3	302	51.36
2 children.....	52	273	74.23	<b>GREAT BRITAIN.</b>			
3 children.....	52	325	64.62	No children.....	12	190	79.96
4 children.....	46	393	56.93	1 child.....	7	254	69.39
5 children.....	13	445	52.95	2 children.....	24	275	65.31
Total and average....	275	283	69.09	3 children.....	22	325	57.67
<b>TENNESSEE.</b>				4 children.....	20	415	49.97
No children.....	3	190	64.64	5 children.....	8	513	45.34
1 child.....	2	235	35.07	Total and average....	93	325	57.92
2 children.....	2	330	41.27				
3 children.....	3	345	38.93				



## CONSUMPTION OF FOOD—Concluded.

TABLE Z.—ALL INDUSTRIES COMBINED: DECREASING COST PER CAPITA AND INCREASING SIZE OF FAMILY.

State and size of family.	Fam- ilies.	Aver- age units of con- sump- tion per fam- ily.	Aver- age expense for food per 100 units of con- sump- tion.	State and size of family.	Fam- ilies.	Aver- age units of con- sump- tion per fam- ily.	Aver- age expense for food per 100 units of con- sump- tion.
<b>ALABAMA.</b>				<b>TENNESSEE.</b>			
No children.....	54	190	\$83.63	No children.....	11	190	\$72.20
1 child.....	36	240	74.98	1 child.....	4	239	44.35
2 children.....	27	279	70.75	2 children.....	5	289	44.96
3 children.....	27	341	59.98	3 children.....	5	345	44.81
4 children.....	20	403	52.94	4 children.....	5	388	39.84
5 children.....	7	443	58.93	5 children.....	1	375	35.79
Total and average....	171	274	68.39	Total and average....	31	275	49.97
<b>GEORGIA.</b>				<b>VIRGINIA.</b>			
No children.....	4	190	63.05	No children.....	5	190	65.38
1 child.....	2	218	66.49	1 child.....	4	241	60.48
2 children.....	2	220	53.76	2 children.....	4	273	60.29
3 children.....	1	260	73.85	3 children.....	5	284	51.67
4 children.....	2	363	36.63	4 children.....	5	414	63.35
5 children.....				5 children.....	3	442	59.56
Total and average....	11	238	55.82	Total and average....	26	301	60.05
<b>ILLINOIS.</b>				<b>WEST VIRGINIA.</b>			
No children.....	10	190	125.68	No children.....	7	190	76.43
1 child.....	13	225	99.50	1 child.....	6	242	63.49
2 children.....	9	272	109.43	2 children.....	9	266	63.84
3 children.....	8	353	80.47	3 children.....	6	325	60.00
4 children.....				4 children.....	4	379	50.93
5 children.....	6	436	70.49	5 children.....	3	453	56.48
Total and average....	46	276	95.13	Total and average....	35	286	61.74
<b>INDIANA.</b>				<b>BELGIUM.</b>			
No children.....	5	190	50.47	No children.....	8	190	56.67
1 child.....	7	205	46.11	1 child.....	9	231	45.58
2 children.....	6	286	47.40	2 children.....	5	225	53.40
3 children.....	3	357	35.46	3 children.....	7	359	37.61
4 children.....	2	360	37.53	4 children.....	9	443	39.61
5 children.....	1	485	26.27	5 children.....	1	485	19.35
Total and average....	24	266	42.84	Total and average....	39	300	42.94
<b>NEW YORK.</b>				<b>FRANCE.</b>			
No children.....	9	190	85.74	No children.....	2	190	96.40
1 child.....	21	223	83.19	1 child.....			
2 children.....	18	249	82.78	2 children.....			
3 children.....	11	313	77.00	3 children.....	3	337	62.87
4 children.....	18	354	71.43	4 children.....	2	440	47.27
5 children.....	5	417	54.57	5 children.....			
Total and average....	82	278	77.48	Total and average....	7	324	62.44
<b>OHIO.</b>				<b>GERMANY.</b>			
No children.....	40	190	84.68	No children.....			
1 child.....	49	226	77.16	1 child.....	3	205	52.10
2 children.....	49	279	71.19	2 children.....	5	269	51.84
3 children.....	33	307	68.68	3 children.....	7	303	42.72
4 children.....	25	416	53.20	4 children.....	2	393	35.12
5 children.....	16	444	53.32	5 children.....	2	400	37.10
Total and average....	212	283	68.34	Total and average....	19	208	44.06
<b>PENNSYLVANIA.</b>				<b>GREAT BRITAIN.</b>			
No children.....	135	190	104.35	No children.....	45	190	86.96
1 child.....	111	223	90.58	1 child.....	41	220	80.69
2 children.....	129	263	84.64	2 children.....	68	274	66.48
3 children.....	132	325	72.60	3 children.....	60	324	66.95
4 children.....	85	392	61.53	4 children.....	49	407	57.51
5 children.....	26	462	54.08	5 children.....	27	499	51.31
Total and average....	618	279	78.84	Total and average....	290	307	65.69

**INCOME AND EXPENDITURE PER FAMILY IN NORMAL FAMILIES**

In this table, which is the last to be considered, an attempt has been made to bring into comparison for industries the average expenses and income per family of the normal families under treatment.

The titles of the tables and sub-tables under this topic are as follows :

TABLE 1.—*Income and Expenditure in Normal Families.*

- A.—Pig iron.
- B.—Bar iron.
- C.—Steel.
- D.—Bituminous coal.
- E.—Coke.
- F.—Iron ore.
- G.—Pig iron, bar iron, and steel combined.
- H.—Bituminous coal, coke, and iron ore combined.

TABLE 2.—*Recapitulation of Income and Expenditure in Normal Families, by States.*

- A.—Pig iron.
- B.—Bar iron.
- C.—Steel.
- D.—Bituminous coal.
- E.—Coke.
- F.—Iron ore.

TABLE 3.—*Recapitulation of Income and Expenditure in Normal Families, by Industries.*TABLE 4.—*Recapitulation of Income and Expenditure in Normal Families, by Size of Family.***TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES.**

[Tables 1 to 4 exclude families having boarders, those with more than five children, and those with children over 14 years of age, and consider all others as normal.]

**A.—PIG IRON.**

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
ALABAMA.										
No children.....	33	\$73.91	\$16.47	\$4.80	\$82.73	\$139.29	\$317.20	\$160.18	\$477.38	\$489.30
1 child.....	16	54.93	12.39	4.92	84.63	112.38	269.25	180.92	450.17	492.41
2 children.....	10	80.70	20.25	5.08	109.80	141.03	356.86	194.34	551.20	638.53
3 children.....	11	61.91	19.09	4.47	104.00	120.20	309.67	189.53	499.20	551.49
4 children.....	11	94.91	18.82	6.44	150.45	145.65	416.27	219.85	636.12	593.84
5 children.....	3	61.00	15.34	6.67	116.33	177.83	377.17	221.45	598.62	581.67
Total and average.	84	71.82	16.75	5.10	99.17	134.08	326.92	182.04	508.96	532.79
GEORGIA.										
No children.....	4	25.50	6.25	3.50	49.50	73.41	158.16	119.80	277.96	322.56
1 child.....	2	48.00	8.00	4.80	75.00	138.50	274.30	144.63	418.93	610.00
2 children.....	2	26.00	7.00	4.60	66.50	58.00	162.10	118.28	280.38	308.50
3 children.....	1	48.00	8.00	4.80	85.00	144.75	290.55	192.00	482.55	475.00
4 children.....	2	38.00	10.00	4.40	77.50	63.75	193.65	132.80	326.45	314.00
5 children.....										
Total and average.	11	34.00	7.55	4.22	65.54	87.17	198.48	132.96	331.44	384.57

TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## A.—PIG IRON—Continued.

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
ILLINOIS.										
No children.....	4	\$00.00	\$34.25	\$5.47	\$106.25	\$221.09	\$457.06	\$257.89	\$714.95	\$633.90
1 child.....	4	70.00	32.00	4.25	93.90	121.94	322.09	211.19	533.28	545.44
2 children.....	1	96.00	60.00	3.60	100.00	106.55	366.15	263.00	629.15	650.00
3 children.....	3	92.00	41.33	6.00	156.67	158.04	454.04	303.89	757.93	868.33
4 children.....										
5 children.....	1	84.00	48.00	6.00	175.00	148.20	461.20	323.55	784.75	784.75
Total and average.	13	81.31	38.23	5.12	118.89	161.61	408.16	259.58	667.74	689.01
NEW YORK.										
No children.....	2	54.00	17.13	1.80	55.50	72.00	200.43	151.83	352.26	330.00
1 child.....	13	50.92	32.95	2.19	78.46	89.38	253.90	196.28	450.18	508.22
2 children.....	6	62.00	32.17	2.43	76.00	92.93	265.53	198.47	464.00	397.58
3 children.....	3	59.67	35.66	2.30	87.67	73.50	258.80	219.58	478.38	459.33
4 children.....	6	47.00	42.75	3.02	116.33	62.42	271.52	262.03	533.55	529.08
5 children.....	1	96.00	30.00	3.00	128.00	104.50	421.50	173.55	595.05	615.00
Total and average.	31	54.81	33.84	2.41	86.32	84.61	261.99	208.09	470.08	478.06
OHIO.										
No children.....	4	69.00	28.78	2.55	73.12	73.95	247.40	171.90	419.30	480.48
1 child.....	7	61.71	23.07	2.28	75.36	97.94	269.36	169.27	429.63	427.77
2 children.....	1	72.00	17.50	4.00	60.00	99.00	252.50	205.65	458.15	450.00
3 children.....	6	72.00	26.08	2.96	109.33	68.03	278.40	227.16	505.56	566.38
4 children.....	4	63.00	35.50	3.07	93.04	86.82	281.43	265.64	547.07	516.39
5 children.....										
Total and average.	22	66.55	26.94	2.74	86.73	83.44	266.40	204.71	471.11	492.28
PENNSYLVANIA.										
No children.....	18	59.75	24.36	4.82	63.41	90.95	243.29	201.88	445.17	522.15
1 child.....	21	51.60	26.00	3.28	69.35	118.27	268.50	200.52	469.02	497.80
2 children.....	24	66.69	26.25	4.24	75.83	93.60	266.59	226.10	492.69	527.82
3 children.....	29	61.20	28.22	4.22	78.51	109.30	281.45	229.35	510.80	508.82
4 children.....	10	62.90	26.45	4.01	84.62	88.62	266.60	244.45	511.05	523.04
5 children.....	8	67.50	25.90	4.75	90.68	107.50	296.83	235.81	532.14	572.32
Total and average.	110	60.94	26.41	4.16	75.15	102.57	269.23	220.48	489.71	518.95
TENNESSEE.										
No children.....	3	40.00	15.34	5.33	50.00	78.00	189.57	144.58	334.15	420.67
1 child.....										
2 children.....	1	36.60	8.00	6.00	65.00	86.20	201.20	140.95	342.15	420.00
3 children.....	2	48.00	12.00	6.60	117.50	94.00	278.10	185.05	463.15	703.53
4 children.....	1	18.00	16.00	4.00	75.00	91.30	204.30	183.20	387.50	410.50
5 children.....										
Total and average.	7	38.57	13.43	5.60	75.00	86.03	218.63	161.14	379.77	504.22
VIRGINIA.										
No children.....	1	96.00	23.00	5.20	45.00	81.70	250.90	102.75	353.65	354.00
1 child.....	1	120.00	24.00	3.90	51.00	70.80	269.70	208.60	478.30	584.00
2 children.....	1	72.00	30.00	5.20	07.25	103.80	278.25	113.50	391.75	360.00
3 children.....	2	78.00	31.25	6.20	67.93	119.17	302.55	160.30	462.85	449.35
4 children.....										
5 children.....	1	32.40	23.00	4.00	80.00	105.10	244.50	121.90	366.40	353.17
Total and average.	6	79.40	27.08	5.12	63.18	99.96	274.74	144.56	419.30	424.98
WEST VIRGINIA.										
No children.....										
1 child.....										
2 children.....	2	69.00	23.10	2.40	155.00	68.16	317.66	204.25	521.91	607.00
3 children.....	2	69.00	24.85	2.20	118.00	86.37	300.42	206.12	506.54	788.03
4 children.....										
5 children.....	3	68.67	25.67	2.60	120.33	86.76	304.03	256.02	560.05	662.33
Total and average.	7	68.86	24.70	2.43	129.57	81.33	306.89	226.97	533.86	682.44



TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## A.—PIG IRON—Concluded.

State and size of family.	Fam- ilies.	Average expense per family for—								Aver- age income per family.
		Rent.	Fuel.	Light- ing.	Cloth- ing.	Sun- dries.	Total of pre- ceding.	Food.	Total of all.	
BELGIUM.										
No children.....	2	\$29.34	\$12.55	\$2.01	\$35.70	\$40.46	\$120.06	\$103.01	\$223.07	\$207.00
1 child.....										
2 children.....										
3 children.....										
4 children.....	1	38.60	10.04	3.47	42.46	23.24	117.81	140.31	258.12	214.23
5 children.....										
Total and average.	3	32.42	11.71	2.50	37.96	34.72	119.31	115.44	234.75	209.44
GREAT BRITAIN.										
No children.....	3	37.69	25.95	4.95	45.43	54.41	168.43	124.02	292.45	342.28
1 child.....	12	55.78	22.00	5.66	56.37	71.18	190.99	156.31	347.30	362.76
2 children.....	11	38.30	20.13	5.24	63.36	56.82	188.85	195.24	384.09	398.28
3 children.....	10	35.40	19.47	5.50	66.43	57.12	183.92	205.57	389.49	403.39
4 children.....	9	42.71	18.66	6.27	84.08	62.47	214.19	230.15	444.34	445.29
5 children.....	1	28.79	29.20	4.87	58.41	17.11	138.38	173.08	311.46	311.46
Total and average.	46	37.63	20.76	5.58	66.18	60.72	190.87	189.03	379.90	393.78

## B.—BAR IRON.

<b>ALABAMA.</b>										
No children.....	1	\$60.00	\$21.00	\$4.00	\$56.00	\$83.00	\$224.00	\$151.40	\$375.40	\$468.00
1 child.....	5	105.60	13.60	4.50	116.00	170.80	410.50	184.57	595.07	606.94
2 children.....	5	168.00	22.80	8.48	157.12	269.60	626.00	224.33	850.33	1,214.00
3 children.....	4	91.50	27.75	5.40	103.75	155.00	383.40	246.26	629.66	753.38
4 children.....	1	120.00	28.00	7.50	135.00	181.00	521.50	267.90	789.40	926.25
5 children.....	2	132.00	22.75	5.25	267.50	167.50	595.00	301.60	896.60	835.13
Total and average.	18	121.00	21.53	6.03	142.03	190.06	480.65	225.11	705.76	844.59
<b>ILLINOIS.</b>										
No children.....	3	88.00	45.67	3.17	85.00	251.23	473.07	240.63	714.00	702.67
1 child.....	4	87.00	39.12	4.00	143.75	120.60	394.47	220.93	615.40	642.25
2 children.....	1	72.00	53.00	4.00	100.00	60.50	239.50	220.90	510.40	500.00
3 children.....	2	66.00	44.00	4.63	100.00	171.65	386.28	227.56	613.84	550.00
4 children.....										
5 children.....	3	76.00	44.70	4.25	165.00	164.11	454.06	312.29	766.35	758.33
Total and average.	13	80.31	43.74	3.96	125.00	164.02	417.03	247.64	664.67	657.85
<b>NEW YORK.</b>										
No children.....	1	120.00	27.55	2.50	55.00	117.25	322.30	170.45	492.75	550.00
1 child.....	1	60.00	22.00	3.00	58.00	263.00	406.00	184.50	590.50	560.00
2 children.....	5	84.60	31.10	3.04	80.40	85.38	283.92	208.72	492.64	519.40
3 children.....	2	81.50	39.00	2.00	53.50	44.45	220.45	226.80	447.25	410.00
4 children.....	1	82.50	38.00	2.50	75.00	53.00	251.00	250.30	501.30	270.00
5 children.....										
Total and average.	10	84.55	32.11	2.72	69.70	94.90	283.98	210.24	494.22	479.70
<b>OHIO.</b>										
No children.....	11	77.73	27.05	4.19	101.48	174.99	385.44	189.17	574.61	595.33
1 child.....	16	78.38	25.88	4.00	103.41	156.01	367.08	187.21	554.89	681.55
2 children.....	15	96.80	32.58	3.81	110.42	115.26	358.87	227.43	586.30	884.41
3 children.....	9	112.33	33.37	4.05	126.70	176.67	453.12	244.03	697.75	724.99
4 children.....	4	87.00	38.13	3.17	135.65	137.85	401.80	217.55	619.35	618.85
5 children.....	2	87.00	37.25	3.00	86.00	86.24	299.49	230.70	530.19	428.66
Total and average.	57	89.37	30.31	3.90	110.21	148.49	382.28	210.89	593.17	711.88

TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## B.—BAR IRON—Concluded.

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
PENNSYLVANIA.										
No children.....	42	\$95.17	\$24.74	\$8.35	\$41.42	\$86.09	\$255.77	\$242.18	\$497.95	\$526.23
1 child.....	27	99.07	24.79	8.01	60.89	129.32	322.08	249.61	571.69	625.70
2 children.....	31	100.90	26.17	6.74	76.74	103.41	313.96	253.65	567.61	646.71
3 children.....	33	105.29	26.02	8.13	78.23	98.61	316.28	270.05	586.33	624.42
4 children.....	15	108.67	27.20	8.78	89.97	79.81	314.43	282.13	596.56	608.34
5 children.....	1	96.00	30.00	8.00	98.00	90.50	322.50	315.29	637.79	701.25
Total and average.	149	100.68	25.61	7.95	65.72	99.69	299.65	256.60	556.25	600.51
TENNESSEE.										
No children.....	5	70.80	14.20	3.24	60.40	113.20	261.84	156.19	418.03	431.00
1 child.....	2	61.50	14.00	4.40	76.00	76.25	232.15	126.93	359.13	362.50
2 children.....	2	66.00	12.00	4.40	81.00	85.38	248.78	118.20	366.98	377.50
3 children.....	1	126.00	15.00	4.80	140.00	118.10	403.90	202.50	606.40	700.00
4 children.....	1	126.00	15.00	4.80	140.00	118.10	403.90	202.50	606.40	700.00
5 children.....	1	126.00	15.00	4.80	140.00	118.10	403.90	202.50	606.40	700.00
Total and average.	10	73.50	13.80	3.86	75.60	100.74	267.50	147.38	414.88	433.50
VIRGINIA.										
No children.....	2	78.00	20.75	1.80	63.50	109.45	273.50	164.10	437.60	450.00
1 child.....	1	96.00	36.00	2.40	95.00	66.00	295.40	189.15	484.55	480.00
2 children.....	1	72.00	26.00	1.80	55.00	69.64	224.44	215.56	440.00	313.72
3 children.....	1	72.00	26.00	1.80	55.00	69.64	224.44	215.56	440.00	313.72
4 children.....	5	94.20	35.40	3.56	76.32	153.34	362.82	262.26	625.08	623.50
5 children.....	2	114.75	38.25	5.05	66.50	109.02	333.57	333.63	667.20	662.66
Total and average.	11	93.14	32.45	3.25	71.96	121.75	322.55	246.50	569.05	557.87
BELGIUM.										
No children.....	2	30.49	12.16	3.38	48.25	32.00	126.28	102.64	228.92	204.39
1 child.....	8	25.91	10.76	2.80	56.33	39.64	135.44	101.72	237.16	196.02
2 children.....	4	28.37	11.63	2.35	45.11	44.13	131.59	127.49	259.08	243.98
3 children.....	5	20.84	10.34	4.29	56.93	46.97	139.37	113.04	252.41	244.80
4 children.....	6	29.53	13.48	3.20	71.57	52.27	170.05	172.89	342.94	337.20
5 children.....	1	11.58	12.54	5.02	77.20	57.56	163.90	93.84	257.74	192.03
Total and average.	26	25.95	11.62	3.24	58.42	44.75	143.98	124.05	268.03	245.85
FRANCE.										
No children.....	2	26.06	9.65	4.82	40.53	70.12	160.18	183.16	343.34	357.05
1 child.....	1	26.06	9.65	4.82	40.53	70.12	160.18	183.16	343.34	357.05
2 children.....	1	26.06	9.65	4.82	40.53	70.12	160.18	183.16	343.34	357.05
3 children.....	3	27.02	5.47	3.53	53.72	66.97	156.71	211.67	368.38	381.75
4 children.....	2	28.95	5.79	3.37	52.59	44.24	134.94	207.99	342.93	304.26
5 children.....	1	28.95	5.79	3.37	52.59	44.24	134.94	207.99	342.93	304.26
Total and average.	7	27.30	6.75	3.86	49.62	63.95	151.48	202.47	353.95	352.55
GERMANY.										
No children.....	2	16.42	0.79	2.11	28.70	38.82	92.84	102.45	195.29	199.09
1 child.....	2	20.00	7.85	3.17	59.95	70.30	161.27	137.61	298.88	265.73
2 children.....	5	19.14	6.57	2.11	41.20	53.15	122.17	116.78	238.95	233.67
3 children.....	5	19.14	6.57	2.11	41.20	53.15	122.17	116.78	238.95	233.67
4 children.....	1	14.28	8.57	2.86	38.23	57.37	121.40	134.19	255.59	242.76
5 children.....	1	14.28	8.57	2.86	38.23	57.37	121.40	134.19	255.59	242.76
Total and average.	10	18.28	7.07	2.40	42.16	54.14	124.05	119.82	243.87	234.07
GREAT BRITAIN.										
No children.....	13	52.78	25.98	0.30	47.86	70.49	202.91	152.13	355.04	382.20
1 child.....	12	47.25	25.20	5.08	35.59	51.17	164.29	151.66	315.95	331.63
2 children.....	21	54.96	27.13	0.68	61.82	72.47	223.06	182.30	405.45	435.88
3 children.....	8	48.03	27.86	6.11	64.78	64.82	211.60	182.99	394.59	415.35
4 children.....	8	53.77	26.76	7.61	130.06	118.33	336.53	256.19	592.72	601.50
5 children.....	6	57.26	27.57	7.10	135.45	80.52	307.90	201.22	569.12	618.86
Total and average.	68	52.43	26.65	6.40	69.30	73.54	228.32	186.89	415.21	440.43

TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## C.—STEEL.

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
ALABAMA.										
No children.....	1	\$60.00	\$24.50	\$3.00	\$45.00	\$112.50	\$245.00	\$112.80	\$357.80	\$340.00
1 child.....										
2 children.....										
3 children.....	1	60.00	12.00	2.00	105.00	110.00	289.00	142.50	431.50	360.00
4 children.....										
5 children.....										
Total and average.....	2	60.00	18.25	2.50	75.00	111.25	267.00	127.65	394.65	350.00
ILLINOIS.										
No children.....	2	84.00	30.75	4.62	75.00	256.65	451.02	187.80	638.82	502.50
1 child.....	5	93.60	36.60	4.81	72.80	96.47	304.28	237.36	541.64	614.15
2 children.....	5	93.60	36.50	2.66	95.40	116.83	344.99	295.84	640.83	829.63
3 children.....	3	120.00	49.00	3.10	120.66	189.17	481.93	302.21	784.14	831.50
4 children.....										
5 children.....	2	120.00	45.50	7.20	117.50	152.48	442.68	291.48	734.16	1,051.25
Total and average.....	17	100.23	39.12	4.14	93.41	144.25	381.15	266.54	647.69	754.17
NEW YORK.										
No children.....	5	80.40	24.00	1.76	26.80	46.08	179.04	155.61	334.65	339.40
1 child.....	3	66.00	26.00	2.00	72.67	74.20	240.87	217.47	458.34	440.51
2 children.....	3	82.00	28.00	3.33	62.33	43.70	219.36	193.92	413.23	424.40
3 children.....	3	88.00	30.00	2.47	94.00	58.76	273.23	280.63	553.86	545.00
4 children.....	6	70.00	27.00	3.78	83.33	65.97	250.08	245.82	495.90	436.49
5 children.....	2	78.00	31.50	3.40	38.00	27.50	178.40	226.08	404.48	377.50
Total and average.....	22	76.64	27.14	2.80	63.50	55.05	225.13	217.33	442.46	422.76
OHIO.										
No children.....	2	90.00	22.75	2.60	42.50	253.33	411.18	144.23	555.41	589.50
1 child.....										
2 children.....										
3 children.....	1	88.00	26.25	4.30	130.00	63.15	311.70	197.57	509.27	900.00
4 children.....										
5 children.....										
Total and average.....	3	89.33	23.92	3.17	71.67	189.93	378.02	162.01	540.03	693.00
PENNSYLVANIA.										
No children.....	4	58.75	19.87	6.25	30.50	68.50	183.87	199.79	383.66	446.35
1 child.....	3	56.67	19.67	8.33	53.50	82.33	220.50	228.85	449.35	478.27
2 children.....	13	65.77	17.56	6.84	57.23	58.27	205.67	214.20	419.87	480.67
3 children.....	4	75.50	20.13	8.00	79.75	77.87	261.25	235.26	496.51	560.88
4 children.....	2	66.25	21.25	7.50	76.00	61.25	232.25	250.40	482.65	475.00
5 children.....	2	90.00	21.63	8.75	76.00	79.80	276.18	334.62	610.80	808.50
Total and average.....	28	66.95	19.04	7.26	58.91	66.86	219.02	227.90	446.92	509.98
WEST VIRGINIA.										
No children.....	5	76.80	25.50	2.99	114.00	67.97	287.26	158.27	445.53	577.28
1 child.....	2	84.00	29.00	2.07	107.50	93.45	316.92	179.27	496.19	510.50
2 children.....	3	112.00	19.07	3.15	92.00	54.07	280.29	174.23	454.52	512.24
3 children.....	2	72.00	27.00	2.67	95.00	61.98	258.65	186.48	445.13	546.86
4 children.....	1	120.00	32.00	6.76	130.00	156.80	415.56	208.58	654.14	1,500.00
5 children.....										
Total and average.....	13	88.62	25.28	3.26	106.23	74.59	297.98	173.40	471.38	618.29
GERMANY.										
No children.....	1	6.85	9.38	2.74	53.15	87.27	159.40	115.54	274.94	273.51
1 child.....	2	10.85	9.28	3.75	55.04	57.47	136.39	148.16	284.55	311.92
2 children.....	1	17.14	8.57	4.12	54.20	45.52	129.55	145.16	274.71	199.13
3 children.....										
4 children.....	1	14.28	8.57	1.90	61.88	70.64	157.27	152.82	310.09	265.37
5 children.....										
Total and average.....	5	11.99	9.02	3.25	55.86	63.68	143.80	141.97	285.77	272.37



TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## C.—STEEL—Concluded.

State and size of family.	Fam-ilies.	Average expense per family for—								Aver- age- income per family.
		Rent.	Fuel.	Light- ing.	Cloth- ing.	Sun- dries.	Total of pre- ceding.	Food.	Total of all.	
GREAT BRITAIN.										
No children.....	16	\$41. 19	\$19. 09	\$5. 64	\$45. 32	\$75. 33	\$186. 57	\$195. 43	\$382. 00	\$415. 22
1 child.....	10	36. 77	16. 84	6. 04	61. 07	61. 56	182. 28	235. 93	418. 21	437. 74
2 children.....	11	57. 20	23. 78	5. 69	60. 61	50. 33	197. 61	165. 67	363. 28	386. 67
3 children.....	19	49. 49	16. 14	6. 73	78. 12	76. 95	227. 43	271. 04	498. 47	522. 77
4 children.....	11	45. 94	17. 36	6. 57	75. 32	87. 33	232. 52	258. 56	491. 08	536. 82
5 children.....	12	48. 39	15. 41	6. 61	88. 21	67. 09	225. 71	276. 30	502. 91	547. 61
Total and average.	79	46. 61	17. 95	6. 23	68. 02	70. 92	209. 73	235. 67	445. 40	477. 00

## D.—BITUMINOUS COAL.

<b>ALABAMA.</b>										
No children.....	6	\$56.00	\$11.58	\$6.03	\$117.54	\$191.70	\$382.85	\$182.08	\$564.93	\$616.48
1 child.....	7	43.71	13.07	6.19	121.86	239.07	423.90	207.88	631.78	791.74
2 children.....	1	36.00	15.00	7.00	120.00	119.50	297.50	137.70	435.20	420.00
3 children.....	7	53.14	13.29	7.31	137.14	175.22	386.10	219.31	605.41	651.40
4 children.....	4	45.00	17.25	6.36	135.00	104.20	307.81	188.84	496.65	571.33
5 children.....	1	36.00	22.50	10.30	210.00	329.00	607.80	290.50	898.30	980.00
Total and average.	26	48.69	13.87	6.67	130.32	189.05	388.60	202.55	591.15	671.78
<b>INDIANA.</b>										
No children.....	3	44.00	19.25	3.33	87.50	71.02	225.10	93.85	318.95	315.00
1 child.....	7	48.29	14.71	3.63	74.00	74.86	215.49	94.51	310.00	308.10
2 children.....	5	60.00	15.70	3.78	97.50	74.21	251.19	130.64	381.83	333.75
3 children.....	3	48.00	15.00	3.47	77.17	65.66	209.30	126.48	335.78	321.67
4 children.....	1	48.00	20.00	4.80	106.30	73.50	252.60	147.40	400.00	400.00
5 children.....										
Total and average.	19	50.63	16.01	3.66	84.52	72.56	227.38	111.75	339.13	336.06
<b>OHIO.</b>										
No children.....	7	41.14	16.86	2.53	46.14	76.47	183.14	126.19	309.33	271.57
1 child.....	8	46.87	18.44	2.59	71.00	46.82	185.72	161.28	347.00	380.00
2 children.....	9	43.56	19.81	2.32	57.67	46.02	169.38	172.94	342.32	340.96
3 children.....	6	45.00	16.00	2.50	60.42	64.80	188.72	169.07	357.79	335.67
4 children.....	4	43.50	13.50	2.40	73.25	52.86	185.51	174.27	359.78	330.39
5 children.....	1	60.00	28.40	3.60	82.00	61.15	235.15	277.24	512.39	425.00
Total and average.	35	44.54	17.78	2.50	61.36	56.72	182.90	163.40	346.30	336.29
<b>PENNSYLVANIA.</b>										
No children.....	15	58.67	11.74	3.05	68.46	143.90	285.82	178.16	463.98	433.63
1 child.....	16	61.66	12.90	4.56	52.11	94.00	225.23	177.84	403.07	397.20
2 children.....	15	69.53	11.03	4.44	66.09	101.43	252.52	212.48	465.00	471.50
3 children.....	9	58.94	15.42	2.26	50.70	100.35	227.67	222.28	449.95	401.83
4 children.....	13	58.92	16.14	3.14	58.16	92.74	229.10	217.35	446.45	447.95
5 children.....	4	73.25	12.87	5.45	60.88	56.86	209.31	208.99	418.30	390.90
Total and average.	71	62.53	13.13	3.73	59.86	104.61	243.86	199.29	443.15	429.40
<b>WEST VIRGINIA.</b>										
No children.....										
1 child.....										
2 children.....										
3 children.....	1	64.00	29.00	1.60	125.00	48.80	268.40	237.30	495.70	544.23
4 children.....	1	36.00	22.50	1.20	148.00	143.60	351.30	214.10	565.40	600.00
5 children.....										
Total and average.	2	50.00	25.75	1.40	136.50	96.20	300.85	220.70	530.55	572.12

TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## D.—BITUMINOUS COAL—Concluded.

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
BELGIUM.										
No children.....	1	\$13. 90	\$15. 52	\$1. 50	\$30. 88	\$68. 54	\$130. 34	\$137. 36	\$267. 70	\$290. 47
1 child.....										
2 children.....	1	13. 90	20. 84	3. 02	40. 53	82. 66	160. 95	239. 69	400. 64	401. 44
3 children.....										
4 children.....										
5 children.....										
Total and average.	2	13. 90	18. 18	2. 26	35. 71	75. 60	145. 65	188. 52	334. 17	345. 96
GREAT BRITAIN.										
No children.....	9	32. 66	25. 55	3. 70	40. 88	58. 00	160. 79	155. 74	316. 53	322. 66
1 child.....	5	43. 65	17. 75	3. 53	38. 93	50. 53	154. 39	177. 12	331. 51	345. 68
2 children.....	22	43. 00	16. 11	4. 69	45. 57	57. 79	167. 13	180. 83	347. 96	380. 79
3 children.....	20	46. 66	13. 70	4. 94	47. 08	55. 95	168. 33	185. 93	354. 26	376. 93
4 children.....	19	47. 17	14. 63	6. 13	58. 92	61. 62	188. 47	207. 23	395. 70	406. 04
5 children.....	8	51. 85	12. 79	6. 38	59. 61	55. 11	185. 75	232. 63	418. 38	434. 62
Total and average.	83	44. 61	15. 99	5. 06	49. 44	57. 55	172. 65	190. 15	362. 80	382. 41

## E.—COKE.

<b>ALABAMA.</b>										
No children.....	6	\$51.33	\$20.25	\$4.27	\$84.33	\$80.67	\$240.85	\$138.94	\$379.79	\$484.16
1 child.....	1	72.00	10.50	4.80	85.00	54.50	226.80	139.40	366.20	371.00
2 children.....	4	41.50	14.25	3.18	110.00	85.87	254.80	172.79	427.59	394.00
3 children.....	1	18.00	12.00	2.60	130.00	108.56	271.10	185.40	456.50	460.00
4 children.....										
5 children.....	1	48.00	5.00	5.60	175.00	93.00	326.60	268.80	595.40	480.00
Total and average.	13	47.08	15.85	3.95	102.77	83.34	252.99	162.95	415.94	445.53
<b>PENNSYLVANIA.</b>										
No children.....	15	62.73	12.47	2.30	73.65	63.32	214.47	170.45	384.92	516.13
1 child.....	9	69.22	13.97	2.25	97.84	61.09	244.37	163.98	408.35	508.33
2 children.....	8	66.63	12.87	2.56	116.22	43.08	241.36	208.21	449.57	529.25
3 children.....	10	66.80	12.08	3.16	106.05	69.20	257.29	226.71	484.00	590.50
4 children.....	10	62.30	13.11	2.77	139.00	71.67	288.85	256.85	545.70	599.40
5 children.....	2	72.00	16.08	2.76	133.75	60.28	284.87	291.08	575.95	585.00
Total and average.	54	65.41	12.96	2.60	104.31	62.47	247.75	205.85	453.60	548.52
<b>TENNESSEE.</b>										
No children.....	2	39.00	6.75	2.40	26.50	58.87	133.52	94.85	228.37	222.50
1 child.....	2	24.00	12.00	4.10	32.75	29.95	102.80	84.78	187.58	186.25
2 children.....	1	42.00	18.00	3.00	35.00	29.50	127.50	89.80	217.30	198.75
3 children.....	2	30.00	13.00	2.70	43.20	35.38	124.28	123.69	247.97	254.40
4 children.....	2	22.50	12.00	2.95	50.00	43.35	130.86	119.50	250.30	216.28
5 children.....										
Total and average.	9	30.33	11.72	3.03	37.77	40.51	123.36	103.94	227.30	217.64
<b>WEST VIRGINIA.</b>										
No children.....	2	36.00	12.00	3.20	29.00	84.55	164.75	112.58	277.33	390.00
1 child.....	2	30.00	12.00	2.40	33.50	62.50	140.40	124.50	264.90	347.50
2 children.....	2	36.00	12.00	2.60	53.25	85.80	189.65	144.88	334.53	384.30
3 children.....	1	36.00	12.00	2.40	52.20	46.40	149.00	157.45	306.45	342.00
4 children.....	1	36.00	12.00	3.00	78.50	63.10	192.60	165.50	358.10	366.00
5 children.....										
Total and average.	8	34.50	12.00	2.73	45.27	71.90	166.40	135.86	302.26	368.95
<b>GREAT BRITAIN.</b>										
No children.....	2	22.61	25.92	1.83	28.95	29.39	103.70	150.46	259.16	259.75
1 child.....	2	24.09	15.45	1.95	40.15	42.62	124.26	174.79	299.05	310.55
2 children.....	2	40.07	19.10	3.89	32.84	44.94	140.84	163.49	304.33	296.96
3 children.....	1	44.29	10.22	4.33	43.80	70.37	179.06	229.38	408.44	468.16
4 children.....	1	44.29	12.65	6.33	65.70	45.26	174.23	205.36	379.59	379.59
5 children.....										
Total and average.	8	32.76	17.98	3.26	39.17	44.44	137.61	176.53	314.14	322.78

TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## F.—IRON ORE.

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
NEW YORK.										
No children.....										
1 child.....	2	\$18.00	\$42.50	\$1.83	\$65.00	\$69.00	\$196.33	\$173.13	\$369.46	\$363.45
2 children.....										
3 children.....	2	57.00	41.35	3.00	87.00	77.50	265.85	217.83	483.68	415.75
4 children.....	1	24.00	75.00	3.60	92.00	28.30	222.90	245.62	468.52	421.00
5 children.....	2	48.00	54.50	2.74	107.50	38.00	250.74	256.00	506.74	465.00
Total and average.	7	38.57	50.24	2.68	87.28	56.76	235.53	219.93	455.46	415.63
OHIO.										
No children.....	3	35.32	9.00	2.52	42.34	78.28	167.46	113.65	281.09	283.33
1 child.....	3	29.00	14.83	1.92	49.67	83.58	179.00	102.59	281.59	278.50
2 children.....	3	34.99	8.66	1.80	41.00	54.77	141.22	156.69	297.91	403.33
3 children.....										
4 children.....										
5 children.....	2	37.40	12.00	2.43	83.50	24.68	160.01	175.46	335.47	327.50
Total and average.	11	33.88	11.05	2.14	51.45	63.57	162.09	133.61	295.70	322.77
PENNSYLVANIA.										
No children.....	8	32.63	14.33	1.64	26.36	39.75	114.71	103.97	218.68	184.70
1 child.....	6	26.67	14.98	2.43	54.18	87.79	186.05	150.71	336.76	305.03
2 children.....	2	12.00	15.50	4.40	86.88	83.71	202.49	195.62	398.11	396.50
3 children.....	3	20.00	20.67	2.42	75.67	54.87	173.63	199.90	373.53	382.73
4 children.....	2	45.00	17.40	3.15	68.98	73.65	208.18	183.15	391.33	371.55
5 children.....										
Total and average.	21	28.33	15.82	2.39	51.18	63.05	160.77	147.30	308.07	285.34
TENNESSEE.										
No children.....	1	12.00	10.00	4.00	25.00	70.80	121.80	104.65	226.45	250.00
1 child.....										
2 children.....	1	12.00	12.00	4.00	50.00	40.50	118.50	161.95	280.45	290.00
3 children.....	1	30.00	9.00	2.80	62.00	27.30	131.10	155.50	286.60	300.00
4 children.....	1	15.00	20.00	2.40	72.00	110.50	219.90	148.29	368.19	440.00
5 children.....	1	15.00	9.00	4.00	55.00	76.00	159.00	134.20	293.20	300.00
Total and average.	5	16.80	12.00	3.44	52.80	65.02	150.06	140.92	290.98	316.00
VIRGINIA.										
No children.....	1	36.00	16.25	3.00	30.00	88.65	173.90	79.73	253.63	452.53
1 child.....										
2 children.....	1	34.50	23.12	5.20	80.85	226.75	370.42	139.25	509.67	544.25
3 children.....	1	33.00	20.00	5.20	64.40	45.00	167.60	106.11	273.71	260.00
4 children.....										
5 children.....										
Total and average.	3	34.50	19.79	4.47	58.42	120.13	237.31	108.36	345.67	418.93
GERMANY.										
No children.....										
1 child.....										
2 children.....	1	40.46	13.09	1.90	34.51	68.05	158.01	125.76	283.77	264.89
3 children.....	1	27.13	7.14	1.86	32.13	55.37	123.63	176.48	300.11	296.76
4 children.....										
5 children.....	1	32.84	6.43	4.88	34.51	50.78	129.44	162.59	292.03	344.03
Total and average.	3	33.48	8.89	2.88	33.71	58.07	137.03	154.94	291.97	301.89



TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## G.—PIG IRON, BAR IRON, AND STEEL COMBINED.

State and size of family.	Fam- ilies.	Average expense per family for—								Ave age income per family.
		Rent.	Fuel.	Light- ing.	Cloth- ing.	Sun- dries.	Total of pre- ceding.	Food.	Total of all.	
ALABAMA.										
No children.....	35	\$73.11	\$16.83	\$4.72	\$80.89	\$136.92	\$312.47	\$158.58	\$471.05	\$484.42
1 child.....	21	67.60	12.68	4.82	92.09	126.29	302.88	181.79	484.67	519.65
2 children.....	15	109.80	21.10	6.21	125.57	183.89	446.57	204.24	650.91	830.35
3 children.....	16	69.19	20.81	4.55	104.00	128.26	326.81	200.77	527.58	591.24
4 children.....	12	97.00	19.58	6.53	153.33	148.60	425.04	223.86	648.90	621.54
5 children.....	5	89.40	18.30	6.10	176.80	173.70	464.30	253.51	717.81	683.05
Total and average.	104	80.11	17.61	5.21	106.12	143.32	352.37	188.45	540.82	583.24
GEORGIA.										
No children.....	4	25.50	6.25	3.50	49.50	73.41	158.16	119.80	277.96	322.56
1 child.....	2	48.00	8.00	4.80	75.00	138.50	274.30	144.63	418.93	610.00
2 children.....	2	26.00	7.00	4.60	66.50	58.00	162.10	118.28	280.38	308.50
3 children.....	1	48.00	8.00	4.80	85.00	144.75	290.55	192.00	482.55	475.00
4 children.....	2	38.00	10.00	4.40	77.50	63.75	193.65	132.80	326.45	314.00
5 children.....										
Total and average.	11	34.00	7.55	4.22	65.54	87.17	198.48	132.96	331.44	384.57
ILLINOIS.										
No children.....	9	88.00	37.28	4.51	92.22	239.04	461.05	236.66	697.71	640.84
1 child.....	13	84.31	35.96	4.39	101.12	111.73	337.51	224.25	561.76	601.65
2 children.....	7	90.86	42.22	2.99	96.71	107.31	340.09	280.44	620.53	756.88
3 children.....	8	96.00	44.88	4.57	129.00	173.11	447.56	284.18	731.74	774.94
4 children.....										
5 children.....	6	92.00	45.52	5.52	150.83	157.59	451.46	307.23	758.69	860.38
Total and average.	43	89.39	40.25	4.38	110.66	155.48	400.16	258.72	658.88	705.35
NEW YORK.										
No children.....	8	78.75	22.72	1.86	37.50	61.46	202.29	156.52	358.81	363.38
1 child.....	17	54.12	31.08	2.20	76.24	96.91	260.55	199.32	459.87	499.32
2 children.....	14	74.14	30.89	2.84	74.65	79.68	262.20	201.16	463.36	446.83
3 children.....	8	75.75	34.8	2.29	81.50	60.71	254.63	244.28	498.91	479.13
4 children.....	13	60.35	35.12	3.33	97.92	63.33	260.05	253.65	513.70	466.42
5 children.....	3	84.00	31.00	3.27	68.00	73.16	259.43	208.57	468.00	456.67
Total and average.	63	67.15	31.23	2.60	75.71	75.92	252.61	211.66	464.27	459.01
OHIO.										
No children.....	17	77.12	26.95	3.62	87.87	160.43	355.99	179.82	535.81	567.62
1 child.....	23	73.30	25.02	3.48	94.87	138.34	335.01	181.75	516.76	604.31
2 children.....	16	95.25	31.64	3.82	107.27	114.25	352.23	226.07	578.30	857.26
3 children.....	16	95.69	30.19	3.65	120.40	128.83	378.76	235.14	613.90	676.45
4 children.....	8	75.00	36.81	3.12	114.32	112.34	341.61	241.60	583.21	567.62
5 children.....	2	87.00	37.25	3.00	86.00	86.24	299.49	230.70	530.19	428.66
Total and average.	82	83.24	29.17	3.56	102.50	132.56	351.03	207.45	558.48	652.27
PENNSYLVANIA.										
No children.....	64	82.93	24.33	7.23	46.93	86.35	247.77	228.19	475.96	520.09
1 child.....	51	77.03	24.99	6.08	63.94	122.00	204.04	238.18	522.22	564.37
2 children.....	68	82.11	24.55	5.88	72.69	91.31	276.54	236.38	512.92	573.01
3 children.....	66	84.11	26.63	6.40	78.45	102.05	297.64	250.06	547.70	569.78
4 children.....	27	88.58	26.48	6.92	86.95	81.70	290.63	265.82	556.45	566.87
5 children.....	11	74.18	25.50	5.77	88.67	100.92	295.04	261.00	556.04	626.98
Total and average.	287	82.16	25.27	6.43	68.67	97.59	280.12	239.96	520.08	560.42
TENNESSEE.										
No children.....	8	59.25	14.62	4.03	56.50	100.34	234.74	151.84	386.58	427.13
1 child.....	2	61.50	14.00	4.40	76.00	76.25	232.15	126.98	359.13	362.50
2 children.....	3	56.00	10.67	4.93	75.67	85.65	232.92	125.78	358.70	391.67
3 children.....	2	48.00	12.00	6.60	117.50	94.00	278.10	185.05	463.15	703.53
4 children.....	2	72.00	15.50	4.40	107.50	104.70	304.10	192.85	496.95	570.25
5 children.....										
Total and average.	17	59.12	13.65	4.57	75.35	94.68	247.37	153.06	400.42	462.62

TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.

## G.—PIG IRON, BAR IRON, AND STEEL COMBINED—Concluded.

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
VIRGINIA.										
No children.....	3	\$84.00	\$21.50	\$2.93	\$57.33	\$100.20	\$265.96	\$143.65	\$409.61	\$418.00
1 child.....	2	108.00	30.00	3.15	73.00	68.40	282.55	198.88	481.43	532.00
2 children.....	2	72.00	28.00	3.50	61.13	86.72	251.35	164.53	415.88	336.86
3 children.....	2	78.00	31.25	6.20	67.93	119.17	302.55	160.30	462.85	449.35
4 children.....	5	94.20	35.40	3.56	76.32	153.34	362.82	262.26	625.08	623.50
5 children.....	3	87.50	33.17	4.70	71.00	107.71	303.88	263.05	566.93	559.50
Total and average.	17	88.29	30.56	3.91	68.86	114.06	305.68	210.52	516.20	510.97
WEST VIRGINIA.										
No children.....	5	76.80	25.50	2.99	114.00	67.97	287.26	158.27	445.53	577.28
1 child.....	2	84.00	29.00	2.97	107.50	93.45	316.92	179.27	496.19	510.50
2 children.....	5	94.80	20.68	2.85	117.20	59.70	295.23	186.24	481.47	550.15
3 children.....	4	70.50	25.92	2.44	106.50	74.17	279.53	196.30	475.83	667.44
4 children.....	1	120.00	32.00	6.76	130.00	156.80	445.56	208.58	654.14	1,500.00
5 children.....	3	68.67	25.67	2.60	120.33	86.76	304.03	256.02	560.05	662.33
Total and average.	20	81.70	25.08	2.97	114.40	76.95	301.10	192.15	493.25	640.74
BELGIUM.										
No children.....	4	29.92	12.35	2.69	41.98	36.23	123.17	102.82	225.99	205.69
1 child.....	8	25.91	10.76	2.81	56.33	39.63	135.44	101.72	237.16	196.02
2 children.....	4	28.37	11.63	2.35	45.11	44.13	131.59	127.40	259.08	243.98
3 children.....	5	20.84	10.34	4.29	56.93	46.97	139.37	113.04	252.41	244.80
4 children.....	7	30.82	12.99	3.24	67.41	48.12	162.58	168.24	330.82	319.64
5 children.....	1	11.58	12.54	5.02	77.20	57.56	163.90	93.84	257.74	192.03
Total and average	29	26.62	11.63	3.16	56.30	43.72	141.43	123.16	264.59	242.08
FRANCE.										
No children.....	2	26.06	9.65	4.82	40.53	79.12	160.18	183.16	343.34	357.05
1 child.....										
2 children.....										
3 children.....	3	27.02	5.47	3.53	53.72	66.97	156.71	211.67	368.38	381.75
4 children.....	2	28.95	5.79	3.37	52.59	44.24	134.94	207.99	342.93	304.26
5 children.....										
Total and average.	7	27.30	6.75	3.86	49.62	63.95	151.48	202.47	353.95	352.55
GERMANY.										
No children.....										
1 child.....	3	13.23	7.65	2.32	36.85	54.97	115.02	106.81	221.83	223.89
2 children.....	4	15.42	8.57	3.46	57.49	63.89	148.83	142.88	291.71	288.83
3 children.....	6	18.81	6.90	2.45	43.37	51.87	123.40	121.51	244.91	227.91
4 children.....	1	14.28	8.57	1.90	61.88	70.64	157.27	152.82	310.09	265.37
5 children.....	1	14.28	8.57	2.86	38.32	57.37	121.40	134.19	255.59	242.76
Total and average.	15	16.18	7.72	2.68	46.73	57.32	130.63	127.20	257.83	246.84
GREAT BRITAIN.										
No children.....	32	45.57	22.53	5.84	46.16	71.40	191.50	171.15	362.65	394.97
1 child.....	34	40.12	21.61	5.57	50.42	61.29	179.01	178.08	357.09	373.83
2 children.....	43	51.27	24.48	6.06	63.18	62.81	207.08	181.40	389.20	413.67
3 children.....	37	45.37	19.57	6.26	72.08	68.97	212.25	234.30	446.55	467.28
4 children.....	28	47.14	20.46	6.77	93.78	88.20	256.35	248.75	505.10	525.88
5 children.....	19	50.16	19.98	6.67	101.56	68.70	247.07	266.11	513.18	557.68
Total and average.	193	46.52	21.69	6.14	68.03	69.41	211.79	207.37	419.16	444.28



TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Continued.  
H.—BITUMINOUS COAL, COKE, AND IRON ORE COMBINED.

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
ALABAMA.										
No children .....	12	\$53.67	\$15.92	\$5.14	\$100.94	\$136.18	\$311.85	\$160.51	\$472.36	\$550.32
1 child .....	8	47.25	12.75	6.01	117.25	210.00	399.26	189.32	598.58	739.15
2 children .....	5	40.40	14.40	3.94	112.00	92.60	263.34	165.77	429.11	399.20
3 children .....	8	48.75	13.13	6.73	136.25	166.87	371.73	215.06	586.79	627.47
4 children .....	4	45.00	17.25	6.36	135.00	104.20	307.81	188.84	496.65	571.33
5 children .....	2	42.00	13.75	7.95	192.50	211.00	467.20	279.65	746.85	720.00
Total and average.	39	48.15	14.53	5.76	121.14	153.82	343.40	189.35	532.75	596.36
INDIANA.										
No children .....	3	44.00	19.25	3.33	87.50	71.02	225.10	93.85	318.95	315.00
1 child .....	7	48.29	14.71	3.63	74.00	74.86	215.49	94.51	310.00	308.10
2 children .....	5	60.00	15.70	3.78	97.50	74.21	251.19	130.64	381.83	383.75
3 children .....	3	48.00	15.00	3.47	77.17	65.66	209.30	126.48	335.78	321.67
4 children .....	1	48.00	20.00	4.80	106.30	73.50	252.60	147.40	400.00	400.00
5 children .....										
Total and average.	19	50.63	16.01	3.66	84.52	72.56	227.38	111.75	339.13	336.08
NEW YORK.										
No children .....										
1 child .....	2	18.00	42.50	1.83	65.00	69.00	196.33	173.13	369.46	363.45
2 children .....										
3 children .....	2	57.00	41.35	3.00	87.00	77.50	265.85	217.83	483.68	415.75
4 children .....	1	24.00	75.00	3.60	92.00	28.30	222.90	245.62	468.52	421.00
5 children .....	2	48.00	54.50	2.74	107.50	38.00	250.74	256.00	506.74	465.00
Total and average.	7	38.57	50.24	2.68	87.28	56.76	235.53	219.93	455.46	415.63
OHIO.										
No children .....	10	39.40	14.50	2.53	45.00	77.01	178.44	122.42	300.86	275.10
1 child .....	11	42.00	17.45	2.41	65.18	56.84	183.88	145.28	329.16	352.32
2 children .....	12	41.41	17.03	2.19	53.50	48.21	162.34	108.88	271.22	256.56
3 children .....	6	45.00	16.00	2.50	60.42	64.80	188.72	109.07	297.79	335.67
4 children .....	4	43.50	13.50	2.40	73.25	52.86	185.51	174.27	359.78	330.39
5 children .....	3	44.93	17.47	2.82	83.00	36.83	185.05	209.38	394.43	360.00
Total and average.	46	41.99	16.17	2.41	58.99	58.36	177.92	156.27	384.19	333.06
PENNSYLVANIA.										
No children .....	38	54.79	12.57	2.45	61.65	90.17	221.63	159.50	381.13	413.79
1 child .....	31	57.08	13.62	3.48	65.79	83.24	223.21	168.56	391.77	411.62
2 children .....	25	64.00	11.98	3.84	83.79	81.34	244.95	209.76	454.71	483.98
3 children .....	22	57.20	14.62	2.69	79.26	79.99	233.76	221.24	455.00	484.99
4 children .....	24	59.17	14.98	2.99	92.74	82.37	252.25	230.96	483.21	504.69
5 children .....	6	72.83	13.94	4.55	85.17	58.00	234.49	236.35	470.84	455.60
Total and average.	146	58.68	13.45	3.12	75.05	83.05	233.35	194.24	427.59	452.74
TENNESSEE.										
No children .....	3	30.00	7.83	2.93	26.00	62.85	129.61	98.12	227.73	231.67
1 child .....	2	24.00	12.00	4.10	32.75	29.95	102.80	84.78	187.58	186.25
2 children .....	2	27.00	15.00	3.50	42.50	35.00	123.00	125.88	248.88	244.38
3 children .....	3	30.00	11.67	2.73	49.47	32.68	126.55	134.29	260.84	269.60
4 children .....	3	20.00	14.67	2.77	57.33	65.73	160.50	129.10	289.60	291.25
5 children .....	1	15.00	9.00	4.00	55.00	76.00	159.00	134.20	293.20	300.00
Total and average.	14	25.50	11.82	3.18	43.14	49.26	132.90	117.14	250.04	252.77
VIRGINIA.										
No children .....	1	36.00	16.25	3.00	30.00	88.65	173.90	79.73	253.63	452.53
1 child .....										
2 children .....	1	34.50	23.12	5.20	80.85	226.75	370.42	139.25	509.67	544.25
3 children .....	1	33.00	20.00	5.20	64.40	45.00	167.60	106.11	273.71	260.00
4 children .....										
5 children .....										
Total and average.	3	34.50	19.79	4.47	58.42	120.13	237.31	108.36	345.67	418.93



TABLE 1.—INCOME AND EXPENDITURE IN NORMAL FAMILIES—Concluded.

**H.—BITUMINOUS COAL, COKE, AND IRON COMBINED—Concluded.**

State and size of family.	Families.	Average expense per family for—								Average income per family.
		Rent.	Fuel.	Lighting.	Clothing.	Sundries.	Total of preceding.	Food.	Total of all.	
WEST VIRGINIA.										
No children.....	2	\$36.00	\$12.00	\$3.20	\$29.00	\$84.55	\$164.75	\$112.58	\$277.33	\$390.00
1 child.....	2	30.00	12.00	2.40	33.50	62.50	140.40	124.50	264.90	347.50
2 children.....	2	36.00	12.00	2.60	53.25	85.80	189.65	144.88	334.53	384.30
3 children.....	2	50.00	20.50	2.00	88.60	47.60	208.70	192.38	401.08	443.12
4 children.....	2	36.00	17.25	2.10	113.25	103.35	271.95	189.80	461.75	483.00
5 children.....										
Total and average.	10	37.60	14.75	2.46	63.52	76.76	195.09	152.83	347.92	409.58
BELGIUM.										
No children.....	1	13.90	15.52	1.50	30.88	68.54	130.34	137.36	267.70	290.47
1 child.....										
2 children.....										
3 children.....	1	13.90	20.84	3.02	40.53	82.66	160.95	239.69	400.64	401.44
4 children.....										
5 children.....										
Total and average.	2	13.90	18.18	2.26	35.71	75.60	145.65	188.52	334.17	345.96
GERMANY.										
No children.....										
1 child.....										
2 children.....	1	40.46	13.09	1.90	34.51	68.05	158.01	125.76	283.77	264.89
3 children.....	1	27.13	7.14	1.86	32.13	55.37	123.63	176.48	300.11	296.75
4 children.....										
5 children.....	1	32.84	6.43	4.88	34.51	50.78	129.44	162.59	262.03	344.03
Total and average.	3	33.48	8.89	2.88	33.72	58.06	137.03	154.54	291.97	301.89
GREAT BRITAIN.										
No children.....	11	30.83	25.62	3.36	38.71	52.80	151.32	154.78	306.10	311.22
1 child.....	7	38.07	17.09	3.08	39.28	48.27	145.78	176.46	322.23	335.64
2 children.....	24	42.76	16.36	4.60	44.51	56.71	164.94	179.39	344.33	373.80
3 children.....	21	46.55	13.53	4.92	46.93	56.92	163.85	187.99	356.84	381.27
4 children.....	20	47.03	14.53	6.14	59.26	60.80	187.76	207.13	394.89	404.72
5 children.....	8	51.86	12.79	6.38	59.61	55.11	185.75	232.63	418.38	434.62
Total and average.	91	43.57	16.17	4.90	48.53	56.40	169.57	188.95	358.52	377.17

TABLE 2.—RECAPITULATION OF INCOME AND EXPENDITURE IN NORMAL FAMILIES, BY STATES.

[Tables 1 to 4 exclude families having boarders, those with more than five children, and those with children over 14 years of age, and consider all others as normal.]

## A.—PIG IRON.

State.	Fam- ilies.	Average expense per family for—								Aver- age income per family.
		Rent.	Fuel.	Light- ing.	Cloth- ing.	Sun- dries.	Total of pre- ceding.	Food.	Total of all.	
UNITED STATES.										
Alabama.....	84	\$71.82	\$16.75	\$5.10	\$99.17	\$134.08	\$326.92	\$182.04	\$508.96	\$532.79
Georgia.....	11	34.00	7.55	4.22	65.54	87.17	198.48	132.96	331.44	384.57
Illinois.....	13	84.31	38.23	5.12	118.89	161.61	408.16	259.58	667.74	639.01
New York.....	31	54.81	33.84	2.41	86.32	84.61	261.99	208.09	470.08	478.06
Ohio.....	22	66.55	26.94	2.74	86.73	83.44	266.40	204.71	471.11	492.28
Pennsylvania.....	110	60.94	26.41	4.16	75.15	102.57	269.23	220.48	489.71	518.95
Tennessee.....	7	38.57	13.43	5.60	75.00	86.03	218.63	161.14	379.77	504.22
Virginia.....	6	79.40	27.08	5.12	63.18	99.96	274.74	144.56	419.30	424.98
West Virginia.....	7	68.86	24.70	2.43	129.57	81.33	306.89	226.97	533.86	682.44
Total and average.	291	63.91	23.93	4.19	86.80	109.40	288.23	202.47	490.70	513.79
EUROPE.										
Belgium.....	3	32.42	11.71	2.50	37.96	34.72	119.31	115.44	234.75	209.44
Great Britain.....	46	37.63	20.76	5.58	66.18	60.72	190.87	189.03	379.90	393.78
Total and average.	49	37.31	20.21	5.39	64.45	59.12	186.48	184.53	371.01	382.49
Grand total and average.	340	60.07	23.39	4.27	83.58	102.15	273.56	199.89	473.45	494.87

## B.—BAR IRON.

<b>UNITED STATES.</b>										
Alabama.....	18	\$121.00	\$21.53	\$6.03	\$142.03	\$190.06	\$480.65	\$225.11	\$705.76	\$844.59
Illinois.....	13	80.31	43.74	3.96	125.00	164.02	417.03	247.64	664.67	657.85
New York.....	10	84.55	32.11	2.72	69.70	94.90	283.98	210.24	494.22	479.70
Ohio.....	57	89.37	30.31	3.90	110.21	148.49	382.28	210.89	593.17	711.88
Pennsylvania.....	149	100.68	25.61	7.95	65.72	99.69	299.65	256.60	556.25	600.51
Tennessee.....	10	73.50	13.80	3.86	75.60	100.74	267.50	147.38	414.88	433.50
Virginia.....	11	93.14	32.45	3.25	71.96	121.75	322.55	246.50	569.05	557.87
Total and average.	268	96.72	27.30	6.22	83.96	120.03	334.23	238.11	572.34	625.28
<b>EUROPE.</b>										
Belgium.....	26	25.95	11.62	3.24	58.42	44.75	143.98	124.05	268.03	245.85
France.....	7	27.30	6.75	3.86	49.62	63.95	151.48	202.47	353.95	352.55
Germany.....	10	18.28	7.07	2.40	42.16	54.14	124.05	119.82	243.87	234.07
Great Britain.....	68	52.43	26.65	6.40	69.30	73.54	228.32	186.89	415.21	440.43
Total and average.	111	41.57	20.11	5.14	63.07	64.44	194.33	167.11	361.43	370.72
Grand total and average.	379	80.57	25.19	5.90	77.84	103.75	293.25	217.32	510.57	550.73

## C.—STEEL.

<b>UNITED STATES.</b>										
Alabama.....	2	\$60.00	\$18.25	\$2.50	\$75.00	\$111.25	\$267.00	\$127.65	\$394.65	\$350.00
Illinois.....	17	100.23	39.12	4.14	93.41	144.25	381.15	266.54	647.69	754.17
New York.....	22	76.64	27.14	2.80	63.50	55.05	225.13	217.33	442.46	422.76
Ohio.....	3	89.33	23.92	3.17	71.67	189.93	378.02	162.01	540.03	693.00
Pennsylvania.....	28	66.95	19.04	7.26	58.91	66.86	219.02	227.90	446.92	509.98
West Virginia.....	13	88.62	25.28	3.26	106.23	74.59	297.98	173.40	471.38	618.29
Total and average.	85	80.05	26.26	4.61	75.06	85.85	271.85	219.87	491.72	555.50
<b>EUROPE.</b>										
Germany.....	5	11.99	9.02	3.25	55.86	63.68	143.80	141.97	285.77	272.37
Great Britain.....	79	46.61	17.95	6.23	68.02	70.92	209.73	235.67	445.40	477.00
Total and average.	82	45.64	17.84	6.21	68.89	72.93	211.39	234.91	446.30	475.22
Grand total and average.	167	63.15	22.13	5.34	72.03	79.51	242.16	227.26	469.42	516.08

TABLE 2.—RECAPITULATION OF INCOME AND EXPENDITURE IN NORMAL FAMILIES, BY STATES—Concluded.

## D.—BITUMINOUS COAL.

State.	Fam- ilies.	Average expense per family for—								Aver- age income per family.
		Rent.	Fuel.	Light- ing.	Cloth- ing.	Sun- dries.	Total of pre- ceding.	Food.	Total of all.	
UNITED STATES.										
Alabama .....	26	\$48.69	\$13.87	\$6.87	\$130.32	\$189.05	\$388.60	\$202.55	\$591.15	\$671.78
Indiana .....	19	50.63	16.01	3.66	84.52	72.56	227.38	111.75	339.13	336.08
Ohio .....	35	44.54	17.78	2.50	61.36	56.72	182.90	163.40	346.30	336.29
Pennsylvania .....	71	62.53	13.13	3.73	59.86	104.61	243.86	199.29	443.15	429.40
West Virginia.....	2	50.00	25.75	1.40	136.50	96.20	309.85	220.70	530.55	572.12
Total and average.	153	54.42	14.84	3.91	76.24	103.92	253.33	181.04	434.37	446.10
EUROPE.										
Belgium .....	2	13.90	18.18	2.26	35.71	75.60	145.65	188.52	334.17	345.96
Great Britain.....	83	44.61	15.99	5.06	49.44	57.55	172.65	190.15	362.80	382.41
Total and average.	85	43.89	16.04	4.99	49.11	57.98	172.01	190.11	362.12	381.56
Grand total and average.	238	50.66	15.27	4.30	66.55	87.51	224.29	181.28	408.57	423.05

## E.—COKE.

<b>UNITED STATES.</b>										
Alabama .....	13	\$47.08	\$15.85	\$3.95	\$102.77	\$83.34	\$252.99	\$162.95	\$415.94	\$445.53
Pennsylvania .....	54	65.41	12.96	2.60	104.31	62.47	247.75	205.85	453.60	548.52
Tennessee .....	9	30.33	11.72	3.03	37.77	40.51	123.36	103.94	227.30	217.64
West Virginia .....	8	34.50	12.00	2.73	45.27	71.90	166.40	135.86	302.26	368.95
Total and average.	84	55.87	13.18	2.86	91.32	64.25	227.48	181.63	409.11	480.03
<b>EUROPE.</b>										
Great Britain .....	8	32.76	17.98	3.26	39.17	44.44	137.61	176.53	314.14	322.78
Total and average.	8	32.76	17.98	3.26	39.17	44.44	137.61	176.53	314.14	322.78
Grand total and average.	92	53.86	13.60	2.90	86.79	62.52	219.67	181.18	400.85	466.35

## F.—IRON ORE.

<b>UNITED STATES.</b>										
New York .....	7	\$38.57	\$50.24	\$2.08	\$87.28	\$56.76	\$235.53	\$219.53	\$455.46	\$415.63
Ohio .....	11	33.88	11.05	2.14	51.45	63.57	162.09	133.61	295.70	322.77
Pennsylvania .....	21	28.33	15.82	2.39	51.18	63.65	160.77	147.30	308.07	285.34
Tennessee .....	5	10.80	12.00	3.44	52.80	65.02	150.06	140.92	290.98	316.00
Virginia .....	3	34.50	19.79	4.47	58.42	120.13	237.31	108.36	345.67	418.93
Total and average.	47	30.32	19.68	2.62	57.25	66.09	175.96	151.75	327.71	325.29
<b>EUROPE.</b>										
Germany .....	3	33.48	8.89	2.88	33.71	58.07	137.03	154.94	291.97	301.89
Total and average.	3	33.48	8.89	2.88	33.71	58.07	137.03	154.94	291.97	301.89
Grand total and average.	50	30.52	19.03	2.63	55.84	65.61	173.63	151.94	325.57	323.89



**TABLE 3.—RECAPITULATION OF INCOME AND EXPENDITURE IN NORMAL FAMILIES, BY INDUSTRIES.**

[Tables 1 to 4 exclude families having boarders, those with more than five children, and those with children over 14 years of age, and consider all others as normal.]

Industries.	Fam- ilies.	Average expense per family for—								Aver- age income per family.
		Rent.	Fuel.	Light- ing.	Cloth- ing.	Sun- dries.	Total of pre- ceding.	Food.	Total of all.	
UNITED STATES.										
Pig iron .....	291	\$63.91	\$23.93	\$4.19	\$86.80	\$109.40	\$288.23	\$202.47	\$490.70	\$513.79
Bar iron .....	268	96.72	27.30	6.22	83.96	120.03	334.23	238.11	572.34	625.28
Steel .....	85	80.05	26.26	4.61	75.06	85.85	271.85	219.87	491.72	555.50
Bituminous coal .....	153	54.42	14.84	3.91	76.24	103.92	253.33	181.04	434.37	446.10
Coke .....	84	55.87	13.18	2.86	91.32	64.25	227.48	181.63	409.11	480.03
Iron ore .....	47	30.32	19.68	2.62	57.25	66.09	175.96	151.75	327.71	325.29
Total and average.	928	70.87	22.43	4.57	82.07	103.13	283.07	206.37	489.44	526.05
EUROPE.										
Pig iron .....	49	37.31	20.21	5.39	64.45	59.12	186.48	184.53	371.01	382.49
Bar iron .....	111	41.57	20.11	5.14	63.07	64.44	194.33	167.11	361.43	370.72
Steel .....	82	45.64	17.84	6.21	68.89	72.93	211.39	234.91	446.30	475.22
Bituminous coal .....	85	43.89	16.04	4.99	49.11	57.98	172.01	190.11	362.12	381.56
Coke .....	8	32.76	17.98	3.26	39.17	44.44	137.61	176.53	314.14	322.78
Iron ore .....	3	33.48	8.89	2.88	33.71	58.07	137.03	154.94	291.97	301.89
Total and average.	338	42.24	18.40	5.33	60.35	63.57	189.84	191.09	381.85	398.76
Grand total and average.	1,266	63.23	21.35	4.77	76.27	92.57	258.19	202.53	460.72	492.06

**TABLE 4.—RECAPITULATION OF INCOME AND EXPENDITURE IN NORMAL FAMILIES, BY SIZE OF FAMILY.**

[Tables 1 to 4 exclude families having boarders, those with more than five children, and those with children over 14 years of age, and consider all others as normal.]

Size of family.	Fam- ilies.	Average expense per family for—								Aver- age income per family.
		Rent.	Fuel.	Light- ing.	Cloth- ing.	Sun- dries.	Total of pre- ceding.	Food.	Total of all.	
UNITED STATES.										
No children .....	222	\$68.75	\$19.78	\$4.61	\$64.33	\$107.73	\$265.20	\$178.39	\$443.59	\$468.22
1 child .....	196	64.96	21.56	4.29	77.17	110.66	278.64	189.20	467.84	502.22
2 children .....	184	76.23	22.59	4.56	83.64	94.68	281.70	211.10	492.80	565.22
3 children .....	170	73.79	24.42	4.77	90.15	103.89	297.02	227.56	524.58	557.68
4 children .....	109	70.91	24.01	4.61	100.12	92.50	292.15	233.21	525.36	424.17
5 children .....	47	73.95	27.03	4.80	109.14	104.94	319.87	252.72	572.59	592.57
Total and average.	928	70.87	22.43	4.57	82.07	103.13	283.07	206.37	489.44	526.05
EUROPE.										
No children .....	50	39.66	21.74	4.92	43.66	64.75	174.72	161.89	336.61	357.60
1 child .....	52	36.11	18.53	4.62	49.05	53.92	161.14	162.01	326.15	332.68
2 children .....	74	46.57	20.80	5.35	57.11	62.45	192.16	179.05	371.18	392.95
3 children .....	74	40.47	15.49	5.22	59.88	62.60	183.66	202.20	385.86	401.77
4 children .....	58	43.94	16.81	5.91	76.72	72.10	215.48	221.63	437.11	447.07
5 children .....	30	47.55	16.98	6.36	85.22	63.73	219.83	243.59	463.42	495.06
Total and average.	338	42.24	18.40	5.33	60.35	63.57	189.84	191.99	381.85	398.76
Grand total and average.	1,266	63.23	21.35	4.77	76.27	92.57	258.19	202.53	460.72	492.06

From the foregoing tables (1 to 4) we can take up either of the subjects involved and make comparisons for them for the different states and industries directly; as, for instance, looking at the matter of rent, we find that in Alabama the average expense per family of the normal families employed in the coke industry for rent is \$47.08; in Pennsylvania, \$65.41; in Tennessee, \$30.33; in West Virginia, \$34.50; in Great Britain, \$32.76, and so on through the whole list, the last two columns, showing in contrast the total expenditure of the normal families considered and the average income per family. It seems to be a fair conclusion from an examination of the table on the contrasted expenditure and income of the normal family, that the size of the family has apparently no influence, or, at the highest, a very limited influence, on the amounts paid for rent, fuel, lighting, and sundries, while the amounts paid for clothing and food increase generally in a very steady manner in proportion to the size of the family. In all probability the extra expense for clothing and food, as the families increase in size, is covered by retrenchments in the amount paid for sundries. This latter assumption, however, cannot be thoroughly proved by a study of the "Sundries" column, but is only thrown out as a probable explanation and one resulting from meagre information of the appearance in the direction named.

In studying the tables which present summaries and recapitulations, that is, those beginning with j, the number of families must always be considered when determining the influence of the figures. Where the figures are more or less erratic in character they are from states from which but a limited number of budgets applicable to the normal family were received, or, if received, were not available for such a mathematical consideration of the cost of living.

### MISCELLANEOUS NOTES.

These notes cover, in a brief way, various points relative to the conditions of life in many of the localities from which budgets were obtained. The cost of board for single persons, here given for many localities, is stated according to local usage, instead of being reduced to a single basis, as a week. Each paragraph presents the facts for an establishment.

#### PIG IRON.

ALABAMA.—The Department has budgets from six pig iron furnaces in this state and from four of them it has obtained further information as follows:

1. Most of the employes live in houses owned by the company. Three-fourths of the employes are colored, the white employes being mostly skilled laborers. While the white laborers all earn enough to be comfortable, yet their home conditions vary greatly, some being very clean and thrifty and others keeping their homes and families in a much dirtier and lower condition than the colored employes do. The houses and families of the colored employes are generally dirty and ill kept. Sani-

tary conditions of the houses are very bad. Indolence and resulting general filth and dirt about the homes of the people is the rule. Earnings of these people are sufficient to keep family well, but waste in buying, cooking, caretaking, etc., is such that shortly after pay day nothing is left. But little difference in rates between the "commissary" and city stores and remarkably few complaints. Coal and wood is picked up by all employés. They never buy except in extreme cases. Medical attendance is furnished at \$1 per month for families, 75 cents per month for a single man. Single men can get board and lodgings at \$4.50 per week, exclusive of washing, at the only boarding house. Washing generally amounts to \$1.50 to \$2 extra per month.

2. The majority of the employés are colored and single men. Employés are fairly housed and make few complaints.

3. The employés are also mostly colored and the majority of them are single men or men living apart from their families. These men usually club together, renting a house to sleep in, ten or twelve occupying one room, sleeping on the floor, etc. The houses owned by the company, where a portion of the employés live, are in a very bad condition, and are situated among the slag, drift, and refuse of the cinder yard. There is no drainage, no privies, and stench everywhere. Water has to be brought a distance or caught in barrels from the sooty roof. Employés complain of usury charged for borrowed money, 30 and 35 per cent. being paid. The waste of food and clothing is very great. The earnings of the employés are sufficient to make them comfortable and even to enable them to save, but the method of life of the colored ones is such that most of their earnings are wasted. The white employés have houses in the suburbs and are generally comfortable.

4. The facts relative to the employés are much the same as to color, unmarried condition, etc., as those described in paragraph 3 above. Employés are, however, paid every week, and in consequence can spend their earnings to much better advantage than when paid less frequently. Single men boarding pay \$3 to \$4 per week, sleeping two and three in a room. These employés are superior in health and deportment to many found in smaller establishments.

GEORGIA.—Budgets were obtained for but a single establishment in Georgia, for which further information was also obtained as follows:

The greater part of the employés are colored, the white employés being mostly skilled laborers. The houses are all owned by the company, many being in a bad condition and crowded. The employés are paid promptly in cash. There is a store owned by the company where the employés are charged the same rates as at other stores. The company employs two teachers for nine months of the year, and the children of the employés are taught without expense to their parents. The white children are taught separately from the colored. There is no boarding house belonging to the company, and the single men pay from \$12 to \$14 per month for very ordinary room and board. Water for drinking is scarce, as the smaller streams often dry up. Convict labor is employed at this place and causes much dissatisfaction among the free employés, who assert that it has the effect of driving away the best class of workmen.

NEW YORK.—Of three places for which budgets were obtained reports from two were furnished as follows:

1. There are no boarding houses for employés here, single men being taken in small numbers by private families at the rate of about \$15 per month, exclusive of washing. The expense for clothing among furnace employés is large, as shoes are frequently scorched and overalls last but a short time.

2. The same general condition prevails here as described in paragraph 1 above. There are no boarding houses, and the prices for room and meals in private families range from \$12 to \$15 per month.

OHIO.—Budgets were obtained from five different furnaces, from four of which the following information was furnished:



1. Room and meals for single men can be obtained for an average cost of \$16 per month. The houses are generally in poor repair, none of them being owned by the company.

2. The rates for board, etc., for single men are as follows :

Meals, lodging, and washing, per month .....	\$15.00
Meals, per week .....	3.00
Meals and lodging, per week .....	3.50
Washing, per week .....	.50

At this place the employés are largely Germans, who frequently own their own homes and exhibit more prosperity than is usually found. There is also a large number of Italians employed here, the majority of whom are single. As many as 12 to 15 of these unmarried Italians live in one house of three or four rooms.

3. The prices paid by single employés for board are within the following limits.

Meals alone, per week .....	\$3.00 to	\$4.50
Meals and lodging, per month .....	18.00	20.00
Washing .....	.75	1.00

The furnace employés at this place are largely of foreign birth and very ignorant.

4. The average price paid by single men per month for meals and lodging is \$18. The company owns no tenement houses.

PENNSYLVANIA.—Budgets were secured from employés at twelve pig iron furnaces in this state, and information of a general character was obtained for ten of that number as follows :

1. The employés are nearly all Hungarians, and the majority of those who are married have left their families in Europe. They are frugal in their habits, and usually keep on hand, for use in case of sickness or other emergency, at least \$40 in cash, each. The balance of their surplus earnings is regularly sent to their families. The boarding houses are cooperative, companies of from 20 to 45 men being formed, who secure a suitable house and elect a "boarding boss" (usually a man whose wife is with him), whose duty it is to attend to the purchase of supplies, paying rent, and keeping accounts. At the end of every month each member of the company pays an equal share of the total expenses, and in addition \$1.50 or \$2 to the wife of the "boarding boss," who cooks the provisions and attends to the rooms. They also pay the boss 50 cents each per month if his entire time is taken up by the affairs of the company ; but if he is himself a working man, earning wages, he becomes one of the company and pays his share of the total expenses. It is intended that the entire cost of board and lodging shall not exceed \$9 per month per man, and if, at the end of a month, it is found to have gone beyond this amount, a meeting of the company is held and the bill of fare revised so as to reduce the cost. Each man furnishes his own bedding. The furniture is meagre, consisting mainly of home made tables and benches in lieu of chairs, while the bedsteads are generally improvised from old boards, the only really good article of furniture in the establishment being the cooking stove. The houses are crowded to their utmost capacity, the same rooms being occupied alternately by the men employed during the day and at night, and from 4 to 10 men sleeping in the same room together. Once a month, on pay day, a keg of beer is bought on the cooperative plan, if 20 men agree, for \$3, which they drink between them. Less than 20 men will not buy together, the cost per man being considered too great. Each man usually has one fair suit of clothes besides his work clothes, the average expense per man for clothing being about \$18 per year.

2. No regular boarding houses for employés are kept, the single men usually lodging with the families of other working men. The customary price for board and lodging, when in the same house, is \$4 per week, but if a room is rented without board the cost for the room is from \$1.50 to \$2.50 per week, and for meals \$3.50 per week. For single meals the price is 20 cents.

3 to 10, inclusive. No regular boarding houses are kept for these establishments, single men boarding with the families of other employés. The price for board and lodging ranges from \$14 to \$18 per month. The cost of washing is from 50 cents to \$4 per month.

**TENNESSEE.**—There are four pig iron furnaces in this state for which the Department has obtained budgets. A large part of the employés are colored, the white employés being mostly skilled laborers. For two of the furnaces the following additional information was obtained as follows:

1. The surroundings are good and there is much prosperity among the employés. In their homes, however, but little attention is given to cleanliness, and both white and black are much the same in this respect.

2. The colored employés appear to do well, and some are saving money.

**VIRGINIA.**—Budgets were obtained for but one blast furnace in Virginia, and for this other information was obtained as follows:

The prevailing prices for meals and lodging for single men are from \$15 to \$16 per month for white employés, and \$10 per month for colored employés. Board is obtained almost entirely in the families of married men working in the furnace. Many of the single colored men provide their own food and pay \$2 per month to have it cooked.

**WEST VIRGINIA.**—Budgets were obtained from but one furnace in West Virginia, and other information was also obtained as follows:

The average price for meals and room for single employés is \$18 per month. The company does not own tenement houses and the employés rent from private parties, so that rents vary considerably.

**GREAT BRITAIN.**—The Department has obtained budgets for four furnaces in this country, but has other information in regard to only one of them as follows:

Employés of all kinds earn on an average 19s. (\$4.62) per week, and a family will earn an average of £3 6s. (\$16.06) per week. The houses are mostly owned by the company. They are built of stone and have good gardens, in which all the vegetables used in a family, except potatoes, are usually raised. The company keeps the fences in repair and whitewashes the outside of the houses at least twice a year. Workmen living in these houses are supplied with coal (one-half ton every two weeks) by the company. The average amount paid per week for fuel and rent is 4s. 9d. (\$1.16), and is stopped out of the wages by the company. Single men can get board and lodging for 8s. 6d. (\$2.07) to 11s. (\$2.68) per week. It is more common for them to pay from 2s. (49 cents) to 3s. 6d. (85 cents) per week for lodging and attendance; that is, they furnish their own food and the family they hire from prepare their meals. Every employé of the company must pay for the doctor according to earnings, as follows: Earnings 4s. (97 cents) per week, or less, nothing; earnings 4s. 1d. (99 cents) to 12s. (\$2.92) per week, one penny (2 cents); earnings 12s. 1d. (\$2.94) to 20s. (\$4.87) per week, 2d. (4 cents), and so on; increasing one penny (2 cents) per week for every 8s. (\$1.95) increase of earnings. This doctor's fee is stopped from the wages by the company. Other stoppages from wages are made with consent of the men, such as payments to benefit societies, etc. In an average family it would seem that of the wages the workmen receive, the sums stopped being deducted, nothing is left after buying food, clothing for the wife and children, and beer for the workman himself. When he needs clothes he gets an advance of £1 (\$4.87) from the company. This money is then stopped from his wages at the rate of 5s. (\$1.22) per week until paid. Some families take boarders to save rent, and in some cases two families will take one of the houses together, one family sleeping nights and working days and the other doing the reverse. In general the company appears to try for the welfare of its employés, but there is much squalor, drunkenness, and immorality among them. Public houses are plentiful and are constantly frequented by men and women and boys and girls. Both married and unmarried women are frequently immoral.

## BAR IRON.

ILLINOIS.—In Illinois budgets were secured from the employes of one establishment.

The cost of living of unmarried employes is as follows: Meals and lodging, when in the same house, about \$4.50 per week; meals without lodging, \$3 to \$3.50 per week; lodging without meals, \$1 to \$1.50 per week.

OHIO.—In Ohio budgets were obtained showing cost of living, etc., of employes in nine rolling mills, and information of a general character relating to employes in seven of the same, as follows:

1. The unmarried men pay \$18 per month for board and lodging.

2 and 3. The married employes live in houses of from two to five rooms, to which gardens of from one-fourth to three-fourths of an acre are usually attached, for which they pay from \$5 to \$10 per month. The price of board and lodging for single men is from \$3.50 to \$4.50 per week.

4 to 7. The average rate paid for board and lodging by the unmarried employes is \$16 per month.

PENNSYLVANIA.—Budgets were secured from employes in eleven rolling mills in Pennsylvania, from three of which additional information was obtained as follows:

1. The single men pay for board and lodging \$16 per month, when in the same house. For room without board they pay from \$2 to \$3.50 per week, and for board without room \$3 per week, or 20 cents for single meals.

2. The price of meals and lodging, when taken together, is \$4 per week; room, without meals \$1.50 to \$2.50 per week; and meals without room \$3.50 per week, or 20 cents for single meals.

3. The unmarried employes board and lodge with the families of other workmen in the mill, at an expense of \$2.50 per week, and 50 cents per week for washing.

TENNESSEE.—In the only establishment in Tennessee from which budgets were secured the majority of the employes were colored. The families of many of these employes occupy houses which were built for white people and contain bath rooms and other conveniences. Many houses are well furnished, giving evidence of the thrift and prosperity of their occupants.

WEST VIRGINIA.—The price paid for board and lodging by unmarried employes of the only establishment in West Virginia for which budgets were obtained is \$18 per month. The hands in this mill procure houses wherever they can, no tenements being furnished by the company.

FRANCE.—Budgets were obtained from the employes of one establishment in France.

These employes purchase nearly all their provisions from a large cooperative store and live in houses owned by the establishment, consisting of sixteen rooms of about 14 by 16 feet each. These houses are divided into four compartments of four rooms, each of which is occupied by a family, for which a monthly rental of 12½ francs (\$2.41) is paid. This rental includes a vegetable garden of about one-eighth of an acre. The cost of board and lodging for unmarried men is from 2 to 3 francs per day (\$0.386 to \$0.579). A general air of comfort and cleanliness prevails in the houses of these families, and in many cases marked evidences of culture were observed.

## STEEL.

WEST VIRGINIA.—The Department has budgets from two establishments in this state, and from one of these it has further information as follows:

The price charged single men for board is \$16 per month.

GREAT BRITAIN.—The Department has budgets from nine establishments in this country, and from seven of them further information has been obtained as follows:

1. For this see the information for Great Britain under the head of pig-iron.

2 to 6, inclusive. All workmen who earn over £150 (\$729.98) per annum are subject to an income tax; but very few pay it, in some way managing to shirk it. There is no



trade protection society among the employés of these establishments. There exists a "board of arbitration and conciliation," and the wages of all iron workers are regulated by the decisions of that board. The houses where the workmen live are built in flats, from one to three flats in height, most of them being two stories high. They are well built, chiefly of stone, though some are of brick, and are comfortable.

A single man pays 15s. (\$3.65) per week for board and lodging. For breakfast, meat or ham or bacon, with eggs, tea, bread, and oatmeal porridge, is given them. For dinner, they have meat, potatoes, bread, and usually beer or tea. In families the younger children are given oatmeal porridge and milk alone for breakfast. Many of the workmen consume large quantities of drink, the bill of one man at a public house being from 20s. (\$4.87) to 25s. (\$6.08) per week.

### BITUMINOUS COAL.

**ALABAMA.**—The Department has budgets for two coal mines in this state, but has further information for one of them only, as follows:

The majority of the miners are white. Single men are largely in the majority. The houses furnished the miners are very poor; most of them mere sheds; none painted or plastered, and but few with ceilings; rough plank inside and out; rain and dust both enter freely. Drinking water is bad; drainage in many sections unknown. There are very few privies and only a few houses fenced in. Several boarding houses, but none kept by company. The most filthy and ignorant are to be found among the foreign element, their surroundings often being worse than those of the negro. The miners earn good wages, but they spend freely, and often the money has all disappeared by sunset of pay day. There is a "commissary" where many spend all they earn. Prices for provisions are about the same as in the city. The miners are generally very wasteful in providing and using food. No free schools. The above information relates to the free laborers, though convict labor is largely employed in these mines.

**INDIANA.**—The Department has budgets from but one mine in Indiana, from which it has the following further information:

The employés are nearly all natives of this country and in the majority of cases have very comfortable homes. Children well clothed and fed. Carpets in houses, etc. The board of the single men is \$3.50 per week. Washing is 75 cents to \$1 per month.

**OHIO.**—The Department has budgets from six mines in this state, and from three of these it has obtained further information, as follows:

1. The miners here are in rather a bad condition. The most of them live in company houses, which are boarded inside. Those living near the mine get their coal by picking it up, while those living away from the mine pay \$1.60 a load. Single men pay \$12 to \$15 per month board. Meals are only \$2 to \$2.50 per week. Washing is 75 cents to \$1 per month.

2. Employés mostly live in log cabins, but in a general way live very comfortably. Although the state law requires companies to pay every two weeks this company pays monthly only, but gives employés the money due them any time they desire it. The company runs a store.

3. The miners here run a successful cooperative store. Articles are sold at wholesale prices plus 3 per cent. on each dollar's worth to pay expenses. There is but one salaried official, the clerk, who is paid \$50 per month. There are three directors, who do the buying, but serve for nothing. The miners are mostly English or Welsh. Single men get meals and lodging for \$15 to \$18 per month. Meals alone for \$12 per month. Washing costs from \$1 to \$1.25 per month.

**PENNSYLVANIA.**—The Department has budgets from eleven mines in this state, and from six of these it has obtained further information, as follows:

1. Homes of miners are all located in town, where, under local option law, no liquor can be obtained. There is little or no drinking among them. About three-fourths of the employés are married men and about one-half of them own their homes. There is a company's store at which nearly all the employés trade, but no higher prices are

charged than elsewhere. The company has a row of houses for rent, but no one occupies them.

2. Only about one-third of the employés are married men, and a very few only own their houses. The company owns houses in which most of the miners live. They are built of rough boards, and no attention to drainage or ventilation was paid in their construction.

3. About one-third of the employés are married and most of them own their houses. Company runs a store.

4. One-half the employés are married and a few own their homes. Nearly all buy their goods from the company's store.

5. Company owns houses, which are very good ones, plastered and painted within and without. Complaint is made of exorbitant charges at the company's store. There is more beer drinking here than is usual in Pennsylvania.

6. Over half the employés are married and just about half own their houses. Miners are principally Germans.

TENNESSEE.—The Department has budgets for but one mine in this state, and for that has also further information, as follows:

Single men pay for meals and room \$16 per month.

GREAT BRITAIN.—For this country the Department has budgets for ten mining companies, but has outside information in regard to one only. For this information see the statement under the head of Great Britain in the notes on pig iron.

### COKE.

ALABAMA.—Budgets were obtained from two establishments in this state, and for one of these certain additional information was furnished, as follows:

The houses occupied by the employés and owned by the company are often mere sheds. None of them are painted or plastered. There are no free schools at this place. No boarding house kept by the company, but several kept by private parties. A commissary store is kept by the company and prices are about the same as elsewhere. Nearly all the employés are colored, and single men are in the majority.

TENNESSEE.—Budgets were obtained for one establishment and the following general information was also furnished:

The majority of the employés are colored and occupy huts along the side of the mountain. There is no school at the place for colored children, who consequently grow up in dense ignorance. The company operates the only store in the place and prices are high.

The prices charged single men for living are as follows:

Meals, per week .....	\$3.50
Meals and lodging, per week .....	4.00
Washing, per fortnight.....	.75

WEST VIRGINIA.—Budgets showing income and expenses of families were obtained for one establishment, and the following additional information was furnished:

The employés have very steady work and work very steadily. The company discourages the contracting of debts by their workmen, gives them all the ground they wish to cultivate on the side of the hill, furnishes coal at \$1 per month, and requires them to place themselves on the doctor's roll, married men paying \$1 per month, and single men 75 cents. The company also sells lots on the hillside to its employés (for building purposes only) at the rate of \$3.50 per acre, and many of the men are investing in lots and erecting box shanties thereon.

The prices paid for living expenses by single men are:

Meals and lodging, per month.....	\$15.00
Washing, per month.....	\$1.25 to 2.00
Doctor, per month.....	.75

GREAT BRITAIN.—Budgets were obtained for four establishments, from one of which general information was obtained, for which see Great Britain under the head of pig iron.

### IRON ORE.

NEW YORK.—Budgets were obtained from the employés of two iron ore mines. For these the following general information was reported :

1. Most of the employés are single men and foreigners, the following countries contributing the largest numbers: Germany, Hungary, Ireland, and Italy.

2. There are no boarding houses for miners. The families are scattered over the adjoining hills and seem fairly prosperous and happy.

OHIO.—Budgets were obtained for two mines in this state, and for one of these the following additional information was furnished :

The houses let for tenements are mainly one story shanties, with an occasional old farm house which has come into possession of the company. None of the houses are in good repair. The average rate of rent for a tenement of two or three rooms is \$3.33 per month. The miners are prevented from working at times on account of water in the mine. The average cost to single men for meals and room is \$12 per month.

PENNSYLVANIA.—Budgets were obtained from four mines in this state, from one of which additional information was furnished, for which see No. 1, Pennsylvania, under the head of pig iron.

The "messes" are run at the mines the same as at the furnace, except that the company furnishes houses rent free, with a tenant at will clause. The bill of fare at the mines includes two pounds of meat per man per day, one for dinner and for supper. Each man pays the cook \$1.50 per month. The expenses for one month as shown by mess books were:

For food, etc.....	\$6.93
Cook .....	1.50
Total .....	8.43

Where employés come into the mines for only a few days and do not join the company or mess they are charged 25 cents a day for food and 5 cents for cooking, or 30 cents per day. Each man has his own bed tick and must get it filled for himself. These remarks apply to the Hungarians, who comprise nearly all the employés of the mine.

VIRGINIA.—Budgets were secured for employés at one mine and the following general information was also furnished :

The company operates a store and the employés are given to understand that their trade is expected, but the prices do not exceed those of any other store in the neighborhood. Some employés buy at other stores. For each day or fraction of a day worked the company issues a ticket which is good for its face value at the company's store in merchandise, but is not transferable. On the 15th of each month the company pays the balance due, after deducting purchases on tickets, in cash.

The prices for living for single men are as follows :

	Per month.
Meals and lodging (whites).....	\$8 to \$12.00
Meals and lodging (colored).....	8 to 9.00
Washing .....	1 to 1.25

Very few single colored men board, generally preferring to buy and cook their own provisions, or to hire the cooking done, in which latter case they pay \$1 per month for the service.



## LETTER FROM THE WIFE OF A WORKINGMAN.

The following graphic and instructive statement of the economies practised in one household to make both ends meet is worth printing for its suggestiveness of ways and means. It shows how valuable is the intelligent administration of a wife determined to get the most for the good of the family out of the husband's earnings, and is undoubtedly illustrative of what goes on in thousands of families. It was addressed to an agent of the Department:

DEAR SIR:

In pursuance of the question of living and what it costs, the amount of money the bread winner receives for his labor, and the minding it takes to make it "sufficient unto the day," I offer you the result of my investigation at home, which I believe to be a correct statement of our expenses for one year:

White flour .....	600 pounds, at	\$0.03 per pound ..	\$18.00
Graham flour .....	150 pounds, at	.03½ per pound ..	4.80
"A" sugar .....	156 pounds, at	.08 per pound ..	12.48
Coffee (roasted) .....	52 pounds, at	.30 per pound ..	15.60
Fresh meat .....	546 pounds, at	.10 per pound ..	54.60
Salt meat .....	156 pounds, at	.12½ per pound ..	19.50
Baking powder .....	12 pounds, at	.50 per pound ..	6.00
Tea .....	6 pounds, at	.75 per pound ..	4.50
Beans .....	60 pounds, at	.05 per pound ..	3.00
Butter .....	104 pounds, at	.20 per pound ..	20.80
Lard .....	100 pounds, at	.10 per pound ..	10.00
Salt .....	60 pounds, at	.01 per pound ..	.60
Pepper .....	1½ pounds, at	.35 per pound ..	.44
Soap .....	96 pounds, at	.05 per pound ..	4.80
Starch .....	12 pounds, at	.10 per pound ..	1.20
Potatoes .....	18 bushels, at	1.40 per bushel ..	25.20
Onions .....	3 bushels, at	1.60 per bushel ..	4.80
Coal oil .....	52 gallons, at	.15 per gallon ..	7.80
Vinegar .....	4 gallons, at	.20 per gallon ..	.80
Eggs .....	24 dozen, at	.15 per dozen ..	3.60
Yeast .....	1 dozen packages, at	.05 per package ..	.60
Matches .....	1 dozen boxes, at	.02½ per box ..	.30
Bluing .....	4 bottles, at	.05 per bottle ..	.20
Brooms .....	4, at	.25 per broom ..	1.00
Total grocery account .....			220.62
House rent, \$7 per month .....			84.00
Fuel, \$2 per ton .....			24.00
Shoes (4 pairs at \$3; 6 pairs at \$1.50; 6 pairs at \$1) .....			27.00
Barbering (hair cutting once a month, at 25 cents; shaving once a week, at 10 cents, and twice a week half the time, with an occasional shampoo) .....			10.00
Tobacco (a 5-cent package and 2 cigars a week) .....			7.80
Reading (a daily paper at 10 cents a week and a Sunday paper at 5 cents) ..			7.80
Total .....			381.22
Wages (average \$48 per month) .....			576.00
Expenses .....			381.22
Surplus .....			194.78
Number in family, 7; number of children, 4; ages, 2, 4, 6, and 7 years.			

The management that "maintains a six-dollar house on four dollars" will not conform to statistics; hence I must explain that I save four pounds a week of white flour by using graham, and that the flour, lard, baking powder, and sugar on my list are sufficient, if we keep light bread most of the time, and make the pies and cakes few and very far between. I use "A" sugar because there is less shrinkage than in other brands. I make fresh coffee once a day. Butter and eggs are more frequently used as substitutes for meat than otherwise. Crackers, milk, rice, wheat, cheese, pickles, and spices are substitutes for articles of kindred value. All prepared meats, prepared and tropical fruits are bits of extravagance in which we may indulge to the cost of something more indispensable.

The fitness of things must largely control, not the bill of fare alone, but the purchase. In summer and winter alike I must try to buy the food that will sustain us the greatest number of meals at the lowest price, and I should like to shake hands with the person who can reduce it to figures. The cost of pounds, bushels, gallons, etc., on my list are computed at what they actually cost me now. Could I buy in larger quantities I could render a different account. The dividing-up process is the real business of the working man (or his wife). The families are not few who do just as I did a few weeks ago, when I found on Monday morning that I had just \$3.35 with which to feed seven of us until Saturday night, and keep the house going. Indeed, some do better figuring than I did, for I, fortunately, had both fuel and flour. At our house meat is the basis, and in an emergency like this we use the coarser meats. So I arranged to have fresh meat once a day. I bought a dime's worth of flank steak twice, at 6½ cents per pound, a soup bone at 10 cents, a 15-cent "boil" at 8 cents per pound, a 15-cent roast at 10 cents per pound, and two pounds of bacon, all of which cost me 85 cents. Then I bought as follows: Sugar, 25 cents; tea, 10; coffee, 30; baking powder, 15; soap, 10; coal oil, 15; cabbage, 10; potatoes, 35; pickles, 10; onions, 10; dried peaches, 15; crackers, 10; beans, 10; eggs, 15; and butter, 20. I have been asked "Why buy pickles and onions when the same amount of money would buy rice and wheat, which surely is cheaper, because so wholesome?" My experience with my children is that rice and wheat require butter or sugar, or both, to make them palatable, and as butter and sugar are luxuries with us we must use them sparingly. With a dime's worth of onions a peck of potatoes will last us a week, at a cost of 45 cents. Without them a half bushel of potatoes are used, at 65 cents, a difference, you see, of enough money to buy beefsteak twice. As for pickles, a dozen at a cost of 10 cents will last us a week, and make salt meat endurable, and they last longer than a peck of apples at 25 or 30 cents a peck. If you wish a demonstration of this fact, just place a peck of apples, no matter how hard and green, where 4 or 5 children have access to them. In addition to all this why and wherewith a visitor adds to the expense \$2 per week, and the living is no better than before. This, I think, is due to the disadvantage of buying in small quantities. If I count the cost for a single meal, no more than 5 cents extra for meat, and the same for vegetables (the smallest quantity I could buy), the cost in one week is \$2.10. Two visitors a single meal, at different times, cost more than both at the same meal.

Ordinarily our expenses (groceries, fuel, and rent) are from \$6 to \$7 per week. In the course of a year we have \$194.78 with which to buy clothing and household incidentals. Now these "clothing and incidental" items are a host within themselves. Divide \$194.78 among seven persons for clothing alone, and we have but \$2.32 a month. The "incidentals" are interminable. Stamps, writing material, thread, needles, buttons, pins, lamp flues; in fact everything, from car fare uptown on a rainy day, and a bottle of Castoria for baby, to ammonia and carpet tacks during house cleaning. Could we use a year's earnings as I have divided them we might get through, but bills that were made when the children were sick or the husband out of employment the year previous press heavily sometimes, and cut into the present years' earnings. Or if the factory shuts down without warning, as it did last year for six weeks, we have a growing expense with nothing to counterbalance. An

itemized account of the expenditures of the \$194.78, compared with an itemized account of what we must and do have on credit I suppose will reveal the frustration of our efforts. I think sometimes in our efforts to make both ends meet we are like a kitten I once had who tried with all his little might to catch his tail. He kept twirling round and round and round, always with the end he so much wanted in view, but never quite catching it.

No doubt this "affair" needs boiling down; things I write usually do; but the man who serves the people with a dish of facts can do that to suit himself.

Yours, socially,

Mrs. J. E. B.



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GENERAL TABLES—COST OF LIVING.

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TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES.

## A.—DESCRIPTION OF THE FAMILY.

Bnd- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Hnsband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1	Alabama	American.	Engineers' helper	Home						2
2	do	American.	Warehouse man	Home					1	3
3	do	American.	Switch tender	Home						2
4	do	American.	Coke drawer	Home			1	1	1	2
5	do	American.	Stockhouse man	Home						2
6	do	American.	Ore breaker	Home						2
7	do	American.	Ore breaker	Home			1		1	4
8	do	American.	Water carrier	Home		1		1		6
9	do	American.	Carpenter	Home			3			5
10	do	American.	Brakcman	Home				1	1	4
11	do	American.	Moulder	Home						2
12	do	American.	Laborer	Home						2
13	do	American.	Foreman, laborers	Home			1			3
14	do	American.	Laborer	Home		1				3
15	do	American.	Laborer	Home				3	1	6
16	do	American.	Carpenter	Home						2
17	do	American.	Weighman	Home			3		2	7
18	do	American.	Weighman	Home			3			5
19	do	American.	Stockhouse man	Home		2			1	5
20	do	American.	Stockhouse man	Home	1	1				4
21	do	American.	Stockhouse man	Home					1	3
22	do	American.	Stockhouse man	Home			1			3
23	do	American.	Filler, top	Home			1			3
24	do	American.	Filler, top	Home			1		2	5
25	do	American.	Filler, top	Home			1			3
26	do	American.	Filler, bottom	Home					1	3
27	do	American.	Water tender	Home					1	3
28	do	American.	Water tender	Home		1	2	1	2	8
29	do	American.	Engineer	Home						2
30	do	American.	Brakeman, locomotive.	Home					1	3
31	do	American.	Fireman, locomotive	Home						2
32	do	American.	Engineer, locomotive	Home		2	2			6
33	do	American.	Engineer, blowing	Home						2
34	do	American.	Buggyman	Home						2
35	do	American.	Bnggyman	Home						2
36	do	American.	Cinder tapper	Home						2
37	do	American.	Cinderman	Home						2
38	do	American.	Cinder tapper	Home						2
39	do	American.	Keeper	Home					2	4
40	do	American.	Keeper	Home					1	3
41	do	American.	Keeper	Home			1		2	5
42	do	American.	Cleaner	Home				1		3
43	do	American.	Pumpman	Home		3	1		2	8
44	do	American.	Founder	Home			1	1		4
45	do	American.	Stoveman	Home			2			4
46	do	American.	Stoveman	Home		1	2	1		6
47	do	American.	Inspector, car	Home			4	1		7
48	do	American.	Loader	Home						2
49	do	American.	Iron loader	Home					5	7
50	do	American.	Iron carrier	Home					1	3
51	do	American.	Iron handler	Home		2		1		5
52	do	American.	Cageman and stockman.	Home			1			3
53	do	American.	Slagman	Home		1	3	1		7
54	do	American.	Slagman	Home			2		2	6
55	do	American.	Coke forker and helper.	Home			2		1	5
56	do	American.	Moulder	Home			2			4
57	do	American.	Moulder	Home					3	5
58	do	American.	Keeper	Home			2			4
59	do	American.	Engineer	Home			3	2		7
60	do	American.	Laborer	Home		3	1		1	7
61	do	American.	Stock unloader	Home			1	2		5
62	do	American.	Keeper's helper.	Home			2	1		5
63	do	American.	Coke unloader	Home		1	2			5
64	do	American.	Brickyard boss	Home			1	3		6
65	do	American.	Iron carrier	Home			3		1	6
66	do	American.	Blacksmith	Home	2	2	3			9
67	do	American.	Carpenter	Home			3		2	7
68	do	American.	Engineer	Home	1	3	3		1	10
69	do	American.	Engineer, locomotive	Home			3			5
70	do	American.	Foreman	Home			1		1	4



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total per- sons in fam- ily.	
			Husband.	Wife at home or at work	Children.					
					At work.	At school.	At home.	Un- known.		
71	Alabama	American.	Machinist	Home	1	3	2		1	9
72	do	American.	Cinderman	Home				1	6	9
73	do	American.	Filler	Home						2
74	do	American.	Filler, top	Home						2
75	do	American.	Iron breaker	Home			2	1	2	7
76	do	American.	Iron carrier	Home						2
77	do	American.	Iron handler	Home				1		3
78	do	American.	Keepers' helper	Home			1	1		4
79	do	American.	Keepers' helper and moulder.	Home			3	1	1	7
80	do	American.	Laborer	Work		3	2			7
81	do	American.	Laborer	Home			3	1	1	7
82	do	American.	Keepers' helper	Home						2
83	do	American.	Cinderman	Home				1	1	4
84	do	American.	Filler, top	Home						2
85	do	American.	Cageman and filler		1		1			3
86	do	American.	Moulder	Home						2
87	do	American.	Iron carrier	Home			1			3
88	do	American.	Foreman, iron hand- lers.	Work		1				3
89	do	American.	Iron loader				1			2
90	do	American.	Iron carrier	Home			2			4
91	do	American.	Iron carrier	Home			4	1	1	8
92	do	American.	Cageman	Home						2
93	do	American.	Sandman	Home					1	3
94	do	American.	Furnace helper	Home			1			3
95	do	American.	Iron carrier	Home		1				3
96	do	American.	Iron loader	Home						2
97	do	American.	Weighmen	Home	1					3
98	do	American.	Keepers' helper	Home			3	1		6
99	do	American.	Keepers' helper and scaleman.	Home					1	3
100	do	American.	Keeper	Home						2
101	do	American.	Keeper	Home			2	2		6
102	do	American.	Fallman	Home						2
103	do	American.	Fallman	Home			1			3
104	do	American.	Laborer	Home						2
105	do	American.	Weighman	Home			2			4
106	do	American.	Warehouse man	Home						2
107	do	American.	Engineer, locomotive	Home				2		4
108	do	American.	Machinist	Home	1			4		7
109	do	American.	Tracklayer	Home			1	2		5
110	do	American.	Iron breaker and piler.	Home		3	1			6
111	do	American.	Iron grader	Home		1	3			6
112	do	American.	Iron loader	Home			2			4
113	do	American.	Iron loader	Home			2		1	5
114	do	American.	Filler, top	Home		4				6
115	do	American.	Fireman and stove- man.	Home			1		2	5
116	do	American.	Engineer, locomotive	Home						2
117	do	American.	Fireman	Home			3			5
118	do	American.	Fireman	Home		2		1		5
119	do	American.	Keepers' helper and moulder.	Work		2				4
120	do	American.	Laborer	Home		1				3
121	do	American.	Iron breaker and la- borer.	Work		3	1		1	7
122	do	American.	Keeper	Home						2
123	do	American.	Filler, stockhouse	Home		1	1	2		6
124	do	American.	Cinder tapper	Home			1			3
125	do	American.	Cinder tapper	Home					3	5
126	do	American.	Cinder tapper	Work	1		3			6
127	do	American.	Slagman	Home						2
128	do	American.	Stockhouse man	Home		2	3			7
129	do	American.	Stockhouse man	Home			2	1	1	6
130	do	American.	Brakeman	Home		2	2	1		7
131	do	American.	Water tender	Home	4	2	2			10
132	do	American.	Fireman	Home						2
133	do	Canadian.	Boiler tender	Home	1	1	2			6
134	do	English	Machinist	Home	1	3	3			9

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

End- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total per- sons in fam- ily.	
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.			Un- known.
135	Alabama	English	Carpenter	Home						2
136	do	English	Machinist	Home			2			4
137	do	German	Stoker	Home		1				3
138	do	German	Stoveman	Home	2	2	2			8
139	do	German	Blacksmith	Home						2
140	do	Irish	Moulders' helper	Home			1			3
141	do	Irish	Stoveman	Home			1	1		4
142	do	Scotch	Engineer, blast	Home						2
143	do	Welsh	Engineer, blowing	Home			2	1		5
144	Georgia	American	Cinderman and la- borer.	Home			2	1		5
145	do	American	Foreman, quarry	Home			3			5
146	do	American	Engineer	Home		5				7
147	do	American	Laborer	Home						2
148	do	American	Engineer	Home	1	1	4			8
149	do	American	Fireman	Home						2
150	do	American	Hostler	Home	1	5				8
151	do	American	Furnace helper	Home		3	4		1	10
152	do	American	Engineer	Home		2	3		1	8
153	do	American	Carpenter	Home	2	3	2			9
154	do	American	Pumpman	Home					2	4
155	do	American	Yardmaster	Home			1			3
156	do	American	Cinder wheeler	Home			2			4
157	do	American	Coke forker	Home			2			4
158	do	American	Engineer, stationary	Home						2
159	do	American	Iron carrier	Home	1	1			1	5
160	do	American	Laborer	Home	1				2	5
161	do	American	Cinderman	Home	1	3	1			7
162	do	American	Driver	Home		2	2			6
163	do	American	Laborer	Home		2	2			6
164	do	American	Cinderman	Home						2
165	do	American	Yardman	Home	1	3	4			10
166	do	American	Fireman	Home			1			3
167	do	American	Carpenter	Home	1	1			4	8
168	do	American	Yardmaster	Home	1	2	3			8
169	Illinois	American	Carpenter	Home						2
170	do	American	Blacksmiths' helper	Home		3				5
171	do	American	Iron carrier	Home			1			3
172	do	American	Filler, bottom	Home			1			4
173	do	American	Metal breaker	Home			1	1		3
174	do	American	Laborer	Home	1			1		3
175	do	Anstrian	Laborer	Home			1			4
176	do	Bohemian	Filler, bottom	Home			2			5
177	do	Bohemian	Filler, bottom	Home			3			9
178	do	Canadian	Filler, top	Home		4	2		1	8
179	do	English	Casthouse man	Home		3	2			5
180	do	English	Cageman	Home			1	2		7
181	do	English	Helper	Home			2	3		4
182	do	English	Laborer and metal carrier.	Home						10
183	do	Fr. Canad.	Filler, top	Home			2	4	2	10
184	do	German	Filler, bottom	Home		1	2			4
185	do	German	Cinderman	Home		1	1			3
186	do	German	Cinderman	Home			1			2
187	do	German	Cinder snapper	Home						5
188	do	German	Ore breaker	Home			3			2
189	do	German	Cageman and filler	Home						6
190	do	German	Filler, bottom	Home		2	2			2
191	do	German	Engineer and ma- chinist.	Home						4
192	do	German	Ore man	Home		2				3
193	do	German	Iron carrier	Home			1			4
194	do	German	Filler, bottom	Home			2			5
195	do	German	Boiler tender	Home		2			1	6
196	do	German	Ore sampler	Home		1	3			2
197	do	German	Helper	Home						5
198	do	German	Cinder snapper	Home	1			2		4
199	do	Irish	Ore man	Home		1			1	4
200	do	Irish	Laborer	Home			3			4
201	do	Irish	Iron breaker	Home			2			4
202	do	Irish	Helper	Home						2

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget number.	Locality.	Nationality.	Occupation or condition of—						Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Unknown.		
203	Illinois	Irish	Keeper	Home			3		1	6
204	do	Irish	Casthouse man	Home		1	1		3	7
205	do	Irish	Mason	Home						2
206	do	Irish	Laborer	Home						2
207	do	Scotch	Metal breaker	Home				3		5
208	do	Welsh	Iron breaker	Home				3		5
209	New York	American	Engineer	Home			1		1	4
210	do	American	Laborer	Home			2			4
211	do	American	Carpenter	Home		1				3
212	do	American	Engineer	Home			3	1		6
213	do	American	Watchman	Home		1				3
214	do	American	Keeper	Home			1			3
215	do	American	Iron man	Home			1			3
216	do	American	Moulder	Home			2			4
217	do	American	Yardmaster	Home			4			6
218	do	Austrian	Cinderman	Home			1		2	5
219	do	Austrian	Filler	Home			2		2	6
220	do	English	Teamster	Home		3				5
221	do	English	Filler, top	Home						2
222	do	English	Filler, top	Home			4			6
223	do	English	Oven man	Home			2		2	6
224	do	English	Stock breaker	Home			1			3
225	do	English	Iron breaker	Home			2			4
226	do	Fr. Canad.	Keepers' helper	Home		2	4			8
227	do	German	Blacksmith	Home		5	3		6	16
228	do	German	Woigher	Home			2			4
229	do	German	Laborer	Home						2
230	do	German	Filler	Home			2			4
231	do	German	Laborer	Home			1			3
232	do	Hungarian	Miner	Home			2		3	7
233	do	Hungarian	Cinderman	Home					5	7
234	do	Hungarian	Laborer	Home		1	2		7	12
235	do	Irish	Foreman, yard	Home		6	2			10
236	do	Irish	Laborer	Home					2	4
237	do	Irish	Keeper	Home		3	2			7
238	do	Irish	Helper	Home		1	2			5
239	do	Irish	Blastman	Home	1	4	3			10
240	do	Irish	Moulder	Home		4	4		1	11
241	do	Irish	Engineers' helper	Home					1	3
242	do	Irish	Machinist	Home	1	4	3			10
243	do	Irish	Filler	Home			3			5
244	do	Irish	Cinderman	Home			1			3
245	do	Irish	Filler	Home		2	2			6
246	do	Irish	Laborer	Home		1	2		1	6
247	do	Irish	Filler, bottom	Home			1			3
248	do	Irish	Breaker	Home	2	5	1			10
249	do	Irish	Filler, bottom	Home					1	3
250	do	Irish	Boiler tender	Home			4			6
251	do	Irish	Laborer	Home	1	2				5
252	do	Irish	Laborer	Home		1	1			3
253	do	Irish	Ore breaker	Home	1		1	2		6
254	do	Irish	Iron breaker	Home		1				3
255	do	Irish	Ore breaker	Home		1				3
256	do	Irish	Engineer and fireman.	Home			1			3
257	do	Irish	Filler, top	Home			4			6
258	do	Irish	Slagman	Home			1			3
259	do	Irish	Laborer	Home	2	2			1	7
260	do	Polish	Filler	Home					4	6
261	do	Scotch	Filler	Home		4	1		4	11
262	do	Scotch	Breaker	Home			1		2	5
263	do	Scotch	Helper	Home		3	1			6
264	do	Welsh	Stableman	Home		1				3
265	Ohio	American	Keeper	Home	3				1	6
266	do	American	Laborer	Home		1				3
267	do	American	Laborer	Home			2			4
268	do	American	Machinist	Home		2	1			5
269	do	American	Boilerman	Home	2	1	1			6
270	do	American	Foreman	Home		3	2			7
271	do	American	Iron carrier	Home			1			3
272	do	American	Laborer	Home	3		1			6
273	do	American	Keeper	Home		4				6
274	do	American	Filler and laborer.	Home			1			3



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget number.	Locality.	Nationality.	Occupation or condition of—						Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Unknown.		
275	Ohio	American	Stovemán	Home		2	3			7
276	do	American	Engineer	Home	1	4	1			8
277	do	American	Filler	Home		1	3			6
278	do	American	Filler	Home						2
279	do	American	Iron carrier	Home		2	1			5
280	do	American	Engineer, hoisting	Home		2				4
281	do	American	Stovemán	Home		3	1			6
282	do	American	Laborer	Home			1			3
283	do	American	Engineer	Home						2
284	do	American	Screenér	Home			3		2	7
285	do	American	Hot-blast man	Home			1			3
286	do	American	Filler	Home		1	2			5
287	do	American	Engineer	Home			3			5
288	do	Bohemian	Iron handler	Home		1	2			5
289	do	Bohemian	Laborer	Home						2
290	do	Bohemian	Cinderman	Home	1		1			4
291	do	Bohemian	Blacksmiths' helper	Home						2
292	do	Bohemian	Laborer	Home			1			3
293	do	Bohemian	Filler	Home		4				6
294	do	Bohemian	Blacksmith	Home	1		3			7
295	do	Bohemian	Helper	Home		2	3			7
296	do	Bohemian	Cagemán	Home		2	2			6
297	do	English	Laborer	Home			3			5
298	do	English	Machinist	Home		2	2			6
299	do	English	Helper	Home						2
300	do	German	Laborer	Home			1		1	4
301	do	German	Laborer	Home			1			3
302	do	German	Laborer	Home			1			3
303	do	German	Laborer	Home		4				6
304	do	German	Helper	Home	1	3	1	1	1	9
305	do	German	Laborer	Home	1	2	1		1	7
306	do	German	Engineer	Home			2	1		5
307	do	German	Laborer	Home			3			5
308	do	German	Iron handler	Home			3			5
309	do	German	Slagman	Home		1	2			5
310	do	German	Stovemán	Home						2
311	do	German	Filler	Home		2	3			7
312	do	German	Cindorman	Home		3	1			6
313	do	German	Keepers' helper	Home		3	1			6
314	do	German	Filler, top	Home		1	3		1	7
315	do	German	Keeper	Home			1			3
316	do	German	Cinderman	Home			2			4
317	do	German	Keeper	Home	1	2				5
318	do	German	Foreman	Home		1	2			5
319	do	German	Iron handler	Home			3			5
320	do	German	Screenér	Home		1				3
321	do	German	Filler	Home		1				3
322	do	German	Engineer	Home		2				4
323	do	German	Cindorman	Home		1	2		1	6
324	do	German	Stable boss	Home		2	2			6
325	do	German	Iron carrier	Home		2	2			6
326	do	German	Fireman	Home	1	1	2			6
327	do	German	Filler, top	Home			3			5
328	do	German	Helper	Home	1	2	1			6
329	do	German	Filler	Home						2
330	do	German	Metal carrier	Home		3				5
331	do	German	Cinder snapper	Home		3	1			6
332	do	German	Laborer	Home		2	3			7
333	do	German	Laborer	Home						2
334	do	German	Stock unloader	Home			4			6
335	do	German	Cager	Home	2		2			6
336	do	German	Filler	Home	1	3	3			9
337	do	German	Hot-blast man	Home	1	1	3			7
338	do	German	Hot-blast man		3	2				6
339	do	German	Trackman	Home		3	2			7
340	do	German	Trackman	Home		2	2		1	7
341	do	German	Filler, top	Home			1			3
342	do	German	Keeper	Home		1	1			4
343	do	German	Carpenter	Home		2	1			5
344	do	German	Filler	Home			3			4
345	do	German	Blacksmith	Home		3	1			6
346	do	Irish	Iron handler	Home			3		2	7
347	do	Irish	Filler	Home		2	3			7

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bnd- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total pers- ons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
348	Ohio	Irish	Helper	Home			1			3
349	do	Irish	Filler	Home			2			4
350	do	Irish	Helper	Home						2
351	do	Irish	Cinder snapper and filler.	Home		1	3			6
352	do	Irish	Keeper	Home	2	2	1			7
353	do	Irish	Laborer	Home	1	2	1			6
354	do	Irish	Laborer	Home		1	3			6
355	do	Irish	Cageman	Home		2	2			6
356	do	Irish	Foreman	Home		2	2			6
357	do	Irish	Filler, top	Home			1			3
358	do	Irish	Engineer	Home		1	4			7
359	do	Irish	Helper	Home	2	5	1			10
360	do	Irish	Engineer	Home			1			3
361	do	Scotch	Coke cleaner	Home			4			10
362	do	Swedish	Stock unloader	Home		3	1			6
363	Pennsylvania	American	Blacksmith	Home			1			3
364	do	American	Boiler tender	Home		1	2			5
365	do	American	Carpenter	Home		3	2			7
366	do	American	Carpenter	Home		2	1			5
367	do	American	Carpenter	Home			3		1	6
368	do	American	Cinder snapper	Home		2	2			6
369	do	American	Cinder snapper	Home			4			6
370	do	American	Engineer	Home		1	1			4
371	do	American	Engineer	Home		1	1			4
372	do	American	Foreman	Home		2	2			6
373	do	American	Iron budger	Home		3				5
374	do	American	Iron budger	Home			2			4
375	do	American	Iron budger	Home			1			3
376	do	American	Iron budger	Home						2
377	do	American	Iron budger	Home		4	1			7
378	do	American	Laborer	Home		1	2			5
379	do	American	Laborer	Home		2	1			5
380	do	American	Machinist	Home			1			3
381	do	American	Stove tender	Home			2			4
382	do	American	Timekeeper	Home						2
383	do	American	Foreman, iron hand- lers.	Home		2	2			6
384	do	American	Iron handler	Home		2	2			6
385	do	American	Moulder	Home					1	3
386	do	American	Laborer	Home		3				5
387	do	American	Filler, bottom	Home						2
388	do	American	Iron handler	Home		2	1		1	6
389	do	American	Melter	Home		3	1			6
390	do	American	Dumper	Home		2	1			5
391	do	American	Iron handler	Home			2			4
392	do	American	Iron man	Home		2				4
393	do	American	Laborer	Home		1	3		1	7
394	do	American	Laborer	Home			2			4
395	do	American	Cinderman	Home		2	1		5	10
396	do	American	Iron carrier	Home		2	1		1	6
397	do	American	Laborer	Home		2	3			7
398	do	American	Filler	Home			3		1	6
399	do	American	Fireman	Home		2	2		1	7
400	do	American	Filler and laborer	Home			1			3
401	do	American	Foreman, fillers	Home		1	2		1	6
402	do	American	Laborer	Home		1	2			5
403	do	American	Engineer	Home						2
404	do	American	Laborer	Home	1	3				6
405	do	American	Helper	Home			3			5
406	do	American	Helper and laborer	Home		2	3	2		9
407	do	American	Scraper	Home						2
408	do	American	Iron carrier	Home		1	2			5
409	do	American	Filler and laborer	Home			1		1	4
410	do	American	Keeper	Home		2	1			5
411	do	American	Iron carrier	Home		3				5
412	do	American	Laborer	Home					2	4
413	do	American	Filler and laborer	Home			1	1		4
414	do	American	Carpenter	Home		1	1			4
415	do	American	Blacksmith	Home			1			3
416	do	American	Engineer	Home		1	1			4
417	do	American	Engineer	Home			2			4

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
418	Pennsylvania.	American.	Filler.....	Home.....	.....	4	2	1	1	10
419	do	American.	Filler.....	Home.....	.....	.....	2	1	2	7
420	do	American.	Filler and laborer.....	Home.....	.....	.....	1	1	.....	4
421	do	American.	Hot-blast man.....	Home.....	.....	2	1	.....	.....	5
422	do	American.	Laborer.....	Home.....	.....	.....	2	.....	.....	4
423	do	American.	Helper.....	Home.....	.....	.....	3	.....	.....	5
424	do	American.	Helper.....	Home.....	.....	.....	2	.....	.....	4
425	do	American.	Laborer.....	Home.....	.....	.....	.....	.....	.....	2
426	do	American.	Helper.....	Home.....	.....	2	.....	.....	.....	4
427	do	American.	Laborer.....	Home.....	.....	.....	3	.....	.....	5
428	do	American.	Shipper.....	Home.....	.....	2	2	.....	.....	6
429	do	American.	Laborer.....	Home.....	.....	.....	.....	.....	.....	2
430	do	American.	Helper.....	Home.....	.....	.....	1	.....	.....	3
431	do	American.	Helper.....	Home.....	.....	.....	.....	.....	.....	2
432	do	American.	Laborer.....	Home.....	.....	.....	1	.....	.....	3
433	do	American.	Iron man.....	Home.....	.....	.....	2	.....	.....	4
434	do	American.	Filler.....	Home.....	.....	.....	.....	.....	.....	2
435	do	American.	Bottom builder.....	Home.....	.....	2	3	.....	.....	7
436	do	American.	Laborer.....	Home.....	.....	.....	.....	.....	1	3
437	do	American.	Filler.....	Home.....	.....	1	3	.....	.....	6
438	do	American.	Keeper.....	Home.....	.....	.....	1	.....	.....	3
439	do	American.	Laborer.....	Home.....	.....	2	2	.....	.....	6
440	do	American.	Helper.....	Home.....	.....	.....	3	.....	1	6
441	do	American.	Cinderman.....	Home.....	.....	1	2	.....	.....	5
442	do	American.	Laborer.....	Home.....	.....	2	1	.....	.....	5
443	do	American.	Hot-blast man.....	Home.....	.....	1	.....	1	2	6
444	do	American.	Cinderman.....	Home.....	.....	.....	3	.....	.....	5
445	do	American.	Blacksmith.....	Home.....	1	1	1	1	3	9
446	do	American.	Laborer.....	Home.....	.....	1	1	.....	.....	4
447	do	American.	Laborer.....	Home.....	.....	.....	2	.....	.....	4
448	do	American.	Iron carrier.....	Home.....	.....	.....	2	.....	.....	4
449	do	American.	Iron carrier.....	Home.....	.....	2	2	.....	1	7
450	do	American.	Hot-blast man.....	Home.....	.....	.....	.....	.....	.....	2
451	do	American.	Filler.....	Home.....	.....	2	4	.....	.....	8
452	do	American.	Filler.....	Home.....	.....	1	2	.....	2	7
453	do	American.	Iron carrier.....	Home.....	.....	1	.....	.....	.....	3
454	do	American.	Laborer.....	Home.....	.....	2	1	1	.....	5
455	do	American.	Iron carrier.....	Home.....	.....	2	1	.....	.....	5
456	do	American.	Engineer.....	Home.....	.....	.....	3	.....	1	6
457	do	American.	Engineer, chief.....	Home.....	1	1	1	.....	.....	5
458	do	American.	Filler.....	Home.....	.....	.....	2	.....	1	5
459	do	American.	Filler.....	Home.....	.....	.....	2	.....	.....	4
460	do	American.	Filler.....	Home.....	.....	.....	1	.....	2	5
461	do	American.	Filler.....	Home.....	.....	.....	1	.....	.....	3
462	do	American.	Helper.....	Home.....	.....	.....	1	.....	.....	3
463	do	American.	Helper.....	Home.....	.....	.....	2	.....	.....	6
464	do	American.	Helper and laborer.....	Home.....	.....	2	1	.....	1	0
465	do	American.	Hot-blast man.....	Home.....	.....	1	.....	.....	1	4
466	do	American.	Iron carrier.....	Home.....	.....	1	1	.....	.....	4
467	do	American.	Keeper.....	Home.....	2	.....	1	.....	2	7
468	do	American.	Keeper and laborer.....	Home.....	.....	1	2	.....	.....	5
469	do	American.	Laborer.....	Home.....	.....	.....	3	.....	.....	5
470	do	American.	Laborer.....	Home.....	.....	.....	1	.....	1	4
471	do	American.	Laborer.....	Home.....	.....	1	1	.....	.....	4
472	do	American.	Laborer.....	Home.....	.....	1	3	.....	.....	6
473	do	American.	Laborer.....	Home.....	2	4	.....	.....	.....	8
474	do	American.	Laborer.....	Home.....	.....	.....	2	.....	.....	4
475	do	American.	Laborer.....	Home.....	1	.....	1	2	1	7
476	do	American.	Cinderman.....	Home.....	.....	1	1	1	.....	5
477	do	American.	Engineer.....	Home.....	.....	.....	1	.....	.....	3
478	do	American.	Engineer.....	Home.....	2	.....	1	.....	.....	5
479	do	American.	Filler.....	Home.....	.....	3	1	.....	.....	6
480	do	American.	Filler.....	Home.....	.....	4	1	.....	.....	7
481	do	American.	Filler.....	Home.....	.....	2	1	.....	.....	5
482	do	American.	Filler and laborer.....	Home.....	.....	.....	.....	.....	.....	2
483	do	American.	Filler and laborer.....	Home.....	.....	.....	2	.....	1	5
484	do	American.	Fireman.....	Home.....	.....	.....	2	.....	.....	4
485	do	American.	Laborer.....	Home.....	.....	1	1	.....	.....	4
486	do	American.	Helper.....	Home.....	.....	.....	1	.....	.....	3
487	do	American.	Helper.....	Home.....	1	3	2	.....	3	11
488	do	American.	Helper.....	Home.....	.....	.....	.....	.....	.....	2



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
489	Pennsylvania.	American.	Helper.....	Home.....			1		1	4
490	do	American.	Keeper.....	Home.....			2			4
491	do	American.	Keoper.....	Home.....		1	3			6
492	do	American.	Laborer.....	Home.....	1	1	1		2	7
493	do	American.	Laborer.....	Home.....	1	3	4		1	11
494	do	American.	Laborer.....	Home.....		1	2			5
495	do	American.	Laborer.....	Home.....			3			5
496	do	American.	Laborer.....	Home.....		3	2		3	10
497	do	American.	Laborer.....	Home.....			1		1	4
498	do	American.	Laborer.....	Home.....		2			1	5
499	do	American.	Foreman.....	Home.....		3	1		1	7
500	do	American.	Filler.....	Home.....	1		2	1		6
501	do	American.	Laborer.....	Home.....		1	4			7
502	do	American.	Iron carrier.....	Home.....			3			5
503	do	American.	Filler.....	Home.....			2			4
504	do	American.	Laborer.....	Home.....	1				2	5
505	do	American.	Laborer.....	Home.....		3	2		2	9
506	do	American.	Filler and laborer.....	Home.....					3	5
507	do	American.	Filler.....	Home.....		3	5			10
508	do	American.	Laborer.....	Home.....	1	3				6
509	do	American.	Hot-blast man.....	Home.....		3				5
510	do	American.	Cinderman.....	Home.....			1			3
511	do	American.	Yardmaster.....	Home.....			2		1	5
512	do	American.	Iron carrier.....	Home.....		1	1		1	5
513	do	American.	Filler.....	Home.....		2	1			5
514	do	American.	Filler.....	Home.....			2			4
515	do	American.	Filler.....	Home.....			3			5
516	do	American.	Carpenter.....	Home.....		3				5
517	do	American.	Filler.....	Home.....		1	2			5
518	do	American.	Filler.....	Home.....		2	2			6
519	do	American.	Filler.....	Home.....		3	1			6
520	do	American.	Helper.....	Home.....			1			3
521	do	American.	Laborer.....	Home.....		3			2	7
522	do	American.	Cinderman and la- borer.	Home.....		3	1			6
523	do	American.	Laborer.....	Home.....	1	1	1	1	2	8
524	do	American.	Laborer.....	Home.....			2			4
525	do	American.	Iron carrier.....	Home.....						2
526	do	American.	Keoper.....	Home.....			2			2
527	do	American.	Iron carrier.....	Home.....			2	1	1	6
528	do	American.	Iron carrier.....	Home.....		2	2			6
529	do	American.	Filler and laborer.....	Home.....		1				3
530	do	American.	Filler and laborer.....	Home.....		1			1	4
531	do	American.	Filler and laborer.....	Home.....		1				3
532	do	American.	Engineer.....	Home.....					1	3
533	do	American.	Laborer.....	Home.....	1	1	1			5
534	do	American.	Cinderman.....	Home.....		1	4			7
535	do	American.	Fireman.....	Home.....			3			5
536	do	American.	Iron carrier.....	Home.....			3		1	6
537	do	American.	Helper.....	Home.....			4			6
538	do	American.	Laborer.....	Home.....		4	3			9
539	do	American.	Holper.....	Home.....		3	3			8
540	do	American.	Filler.....	Home.....			1		2	5
541	do	American.	Fireman.....	Home.....			3			5
542	do	American.	Filler and laborer.....	Home.....			1			3
543	do	American.	Iron carrier.....	Home.....			1			3
544	do	American.	Founder.....	Home.....		3	1			6
545	do	American.	Helper.....	Home.....		1				3
546	do	American.	Filler.....	Home.....		1				5
547	do	American.	Teamster.....	Home.....		1			2	3
548	do	American.	Filler.....	Home.....		1				7
549	do	American.	Carpenter.....	Home.....	1	2	2		4	7
550	do	American.	Keeper.....	Home.....	1	1	1		1	6
551	do	American.	Helper.....	Home.....		3	2		1	8
552	do	American.	Iron carrier.....	Home.....		2	1			5
553	do	American.	Laborer.....	Home.....		1			1	4
554	do	American.	Laborer.....	Work.....		2	1		2	7
555	do	American.	Foreman.....	Home.....		3	1			6
556	do	American.	Laborer.....	Home.....		1				3
557	do	American.	Laborer.....	Home.....						2
558	do	American.	Foreman, laborers.....	Home.....		1	2			5
559	do	American.	Filler.....	Home.....			1		1	4

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget number.	Locality.	Nationality.	Occupation or condition of—						Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
560	Pennsylv'ia.	American.	Laborer	Home	2	2	3			9
561	do	American.	Yardmaster	Home		1			3	6
562	do	American.	Laborer	Home		1	2			5
563	do	American.	Laborer	Home	2	3	1			8
564	do	English.	Iron handler	Home		2	2			6
565	do	English.	Iron carrier	Home			1			3
566	do	English.	Laborer	Home			2		1	5
567	do	English.	Laborer	Home	1					3
568	do	English.	Cinderman	Home			2		2	6
569	do	English.	Hot-blast man	Home		2	2		1	7
570	do	English.	Laborer	Home	3	1	1	2		9
571	do	English.	Watchman	Home	1	2	1			6
572	do	English.	Laborer	Home						2
573	do	English.	Engineer	Home			1		1	4
574	do	English.	Laborer	Home			2			4
575	do	English.	Helper and laborer	Home		1	1		2	8
576	do	English.	Mechanic	Home		2	1			5
577	do	English.	Laborer	Home	1	4	4			11
578	do	English.	Laborer	Home	1		1		1	5
579	do	English.	Laborer	Home		4	2	1		9
580	do	English.	Filler	Home		2	2			6
581	do	English.	Helper	Home		2	2		2	8
582	do	English.	Laborer	Home						2
583	do	English.	Laborer	Home		1				3
584	do	English.	Filler	Home		5	3			10
585	do	German.	Engineer	Home	2	1	1		2	8
586	do	German.	Iron handler	Home		1			1	4
587	do	German.	Carpenter	Home		2	1			5
588	do	German.	Water tender	Home		3	1			6
589	do	German.	Foreman, laborers	Home			1	2		5
590	do	German.	Carpenter	Home			2			4
591	do	German.	Laborer	Home		1	3			6
592	do	German.	Foreman, carpenters	Home		3	3			8
593	do	German.	Keepers' helper	Home			2			4
594	do	German.	Laborer	Home		3	4	1		10
595	do	German.	Fireman	Home			1			3
596	do	German.	Laborer	Home		2	3			7
597	do	German.	Helper	Home			2			4
598	do	German.	Filler	Home		1	2			5
599	do	German.	Filler	Home		3	2			7
600	do	Irish.	Foreman, laborers	Home		4	1		1	8
601	do	Irish.	Iron budger	Home			1			3
602	do	Irish.	Keeper	Home		2	2		1	7
603	do	Irish.	Laborer	Home		3	3			8
604	do	Irish.	Blacksmith	Home			2			4
605	do	Irish.	Dumper	Home					1	3
606	do	Irish.	Filler	Home						2
607	do	Irish.	Helper	Home			3			5
608	do	Irish.	Filler, bottom	Home		4	1			7
609	do	Irish.	Filler, bottom	Home			1			3
610	do	Irish.	Laborer	Home		2	1			5
611	do	Irish.	Engineer	Home			1		1	4
612	do	Irish.	Laborer	Home		2	2			6
613	do	Irish.	Cinderman	Home	1	2	3			8
614	do	Irish.	Filler	Home		4	1		1	8
615	do	Irish.	Filler	Home			4			6
616	do	Irish.	Filler	Home		3	1			5
617	do	Irish.	Helper	Home	2	2	1			7
618	do	Irish.	Keeper	Home	1	4	3			10
619	do	Irish.	Keeper	Home		1	2			5
620	do	Irish.	Laborer	Home			1			3
621	do	Irish.	Laborer	Home		3	4	1		10
622	do	Irish.	Laborer	Home						2
623	do	Irish.	Laborer	Home						2
624	do	Irish.	Iron man	Home					1	3
625	do	Irish.	Laborer	Home		1				3
626	do	Irish.	Blacksmith	Home	1	1				4
627	do	Irish.	Helper	Home			1		7	10
628	do	Irish.	Laborer	Home					1	3
629	do	Irish.	Laborer	Home			3			6

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Hnsband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
630	Pennsylv'ia.	Irish.....	Laborer.....	Home.....			1			3
631	do.....	Irish.....	Laborer.....	Home.....			2			4
632	do.....	Irish.....	Laborer.....	Home.....	1	3	1			7
633	do.....	Irish.....	Laborer.....	Home.....			2			4
634	do.....	Irish.....	Filler.....		1	4	1			7
635	do.....	Irish.....	Filler.....	Home.....		3				5
636	do.....	Irish.....	Filler.....	Home.....		4	3		2	11
637	do.....	Irish.....	Blacksmith.....	Home.....	1	3	2			8
638	do.....	Irish.....	Filler.....	Home.....			3			5
639	do.....	Irish.....	Filler.....	Home.....	1	2				5
640	do.....	Irish.....	Filler.....	Home.....			1			3
641	do.....	Irish.....	Filler.....	Home.....	1	2				5
642	do.....	Irish.....	Iron carrier.....	Home.....			1		1	4
643	do.....	Irish.....	Laborer.....	Home.....			1			3
644	do.....	Irish.....	Laborer.....	Home.....						2
645	do.....	Irish.....	Laborer.....	Home.....	2	4	2			10
646	do.....	Irish.....	Laborer.....	Home.....	1	3	2			8
647	do.....	Irish.....	Laborer.....	Home.....	1	1	1		1	6
648	do.....	Irish.....	Filler.....	Home.....		2	2			6
649	do.....	Irish.....	Filler.....	Home.....			4			6
650	do.....	Irish.....	Filler.....	Home.....			3			5
651	do.....	Irish.....	Filler.....		1	4	1			7
652	do.....	Irish.....	Filler and laborer.....	Home.....		2	2		3	9
653	do.....	Irish.....	Helper.....	Home.....		3	1			6
654	do.....	Irish.....	Hot-blast man.....	Home.....	1	4	1		2	10
655	do.....	Irish.....	Hot-blast man.....	Home.....		4	3		4	13
656	do.....	Irish.....	Iron carrier.....	Home.....						2
657	do.....	Irish.....	Iron carrier.....	Home.....		3	3			8
658	do.....	Irish.....	Laborer.....	Home.....		4	1	1		8
659	do.....	Irish.....	Laborer.....	Home.....		1	3		1	7
660	do.....	Irish.....	Laborer.....	Home.....		3	3		2	10
661	do.....	Irish.....	Laborer.....	Home.....			3			5
662	do.....	Irish.....	Filler.....	Home.....		1				3
663	do.....	Irish.....	Laborer.....	Home.....	1				2	5
664	do.....	Irish.....	Filler.....	Home.....					2	4
665	do.....	Irish.....	Filler.....	Home.....	2	2	2			8
666	do.....	Irish.....	Filler and laborer.....	Home.....			2		2	6
667	do.....	Irish.....	Blacksmith.....	Home.....	2	2	1			7
668	do.....	Irish.....	Helper and keeper.....	Home.....		1	1		1	5
669	do.....	Irish.....	Helper and laborer.....	Home.....	1	1	2		1	7
670	do.....	Irish.....	Filler.....			1				2
671	do.....	Italian.....	Laborer.....	Home.....		1	1			4
672	do.....	Scotch.....	Laborer.....	Home.....		2	1			5
673	do.....	Scotch.....	Laborer.....	Home.....						2
674	do.....	Scotch.....	Iron carrier.....	Home.....			1			3
675	do.....	Scotch.....	Iron carrier.....	Home.....					6	8
676	Tennessee	American.....	Iron carrier.....	Home.....			1			3
677	do.....	American.....	Roller.....	Home.....		3				5
678	do.....	American.....	Iron carrier.....	Home.....			1		1	4
679	do.....	American.....	Cinderman.....	Home.....			2			4
680	do.....	American.....	Roller.....	Home.....						2
681	do.....	American.....	Keeper.....	Home.....		1				3
682	do.....	American.....	Iron carrier.....	Home.....					1	3
683	do.....	American.....	Iron breaker.....	Home.....						2
684	do.....	American.....	Driver.....	Home.....		1			5	8
685	do.....	American.....	Furnace helper.....	Home.....				1		3
686	do.....	American.....	Engineer.....	Home.....		1				3
687	do.....	American.....	Engineer, chief.....	Home.....		1	2			5
688	do.....	American.....	Blacksmiths' helper.....	Home.....				1		3
689	do.....	American.....	Iron carrier.....	Home.....						2
690	do.....	American.....	Keeper.....	Home.....		3	1			6
691	do.....	American.....	Hot-blast man.....	Home.....			1			3
692	do.....	American.....	Engineer, locomotive.....	Home.....			1			3
693	do.....	American.....	Keeper.....	Home.....		1				3
694	do.....	American.....	Engineers' helper.....	Home.....		2				4
695	do.....	American.....	Engineer.....	Home.....			3			5
696	do.....	American.....	Founder.....	Home.....			3			5
697	do.....	American.....	Furnace helper.....	Work.....					1	3
698	do.....	American.....	Foreman, stock-house.....	Home.....						2
699	do.....	American.....	Cageman.....	Home.....			1		1	4
700	do.....	American.....	Filler, top.....	Home.....						2
701	do.....	American.....	Furnace helper.....	Home.....						2



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
702	Tennessee	American.	Clerk and porter....	Home	2	4	3			11
703	do	American.	Stoveman.....	Home					3	5
704	do	American.	Engineer.....	Home		2	1			5
705	do	American.	Keeper.....	Home		1	2			5
706	do	American.	Miner.....	Home			2		3	7
707	do	American.	Coke handler.....	Home		1			4	7
708	do	American.	Carpenter.....	Home			1		1	4
709	do	American.	Iron grader.....	Home			1			3
710	do	American.	Iron grader.....	Home			1			3
711	do	American.	Iron grader.....	Home						2
712	do	American.	Cinderman.....	Home						2
713	do	American.	Roller.....	Home		1	1			4
714	do	American.	Moulder.....	Home						2
715	do	American.	Miner.....	Home	1		8			11
716	do	American.	Machinist.....	Home	1	2			1	6
717	do	American.	Keeper.....	Home			2			4
718	do	American.	Foreman, blacksmith	Home		4	2		2	10
719	do	American.	Laborer.....	Home					1	3
720	do	American.	Hostler.....	Home	2	2	2			8
721	do	American.	Fireman.....	Home		4	2			8
722	do	American.	Filler, top.....	Home		1				3
723	do	American.	Keepers' helper.....	Home			4			6
724	do	American.	Laborer.....	Home			1		2	5
725	do	Irish.....	Machinist.....	Home		5	3			10
726	do	Irish.....	Scrapman.....	Home	1	3	3			8
727	Virginia	American.	Unloader.....	Home	1		3	3	1	10
728	do	American.	Teamster.....	Home	1				2	5
729	do	American.	Filler.....	Home			2	1	1	6
730	do	American.	Teamster.....	Home		3	2		1	8
731	do	American.	Cinderman.....	Home	1		3		2	8
732	do	American.	Iron carrier.....	Home					1	3
733	do	American.	Laborer.....	Home			1	1	1	5
734	do	American.	Moulder.....	Home			2		1	5
735	do	American.	Filler and iron car- rier.	Home			2	3	2	9
736	do	American.	Yardman.....	Home			3			5
737	do	American.	Yardman.....	Home			1	1		4
738	do	American.	Iron grader.....	Home	1			1	3	7
739	do	American.	Unloader.....	Home		3		3	1	9
740	do	American.	Filler and unloader.	Home			5			7
741	do	American.	Unloader.....	Home				2		4
742	do	American.	Unloader.....	Home				2		4
743	do	American.	Laborer.....	Home			1		6	9
744	do	American.	Yardman.....	Home			1	1		4
745	do	American.	Iron carrier and helper.	Home			1		1	4
746	do	American.	Dumper.....	Home	5					7
747	do	American.	Unloader.....	Home						2
748	do	American.	Unloader.....	Home	2			3		7
749	do	American.	Blacksmith.....	Home	2		2	1		7
750	do	American.	Engineer.....	Home			1			3
751	do	American.	Stove tender.....	Home			3			5
752	do	American.	Conductor.....	Home		3	1		1	7
753	do	American.	Oil man.....	Home			2		2	6
754	W. Virginia.	American.	Filler.....	Home		1	1			4
755	do	American.	Foremen, laborers	Home			2			4
756	do	American.	Carpenter.....	Home	1					3
757	do	American.	Foreman.....	Home			3			5
758	do	German.	Cageman.....	Home		2	1			5
759	do	German.	Iron handler.....	Home			3	2		7
760	do	German.	Iron handler.....	Home		3	2			7
761	do	Irish.....	Laborer.....	Home		2	2			6
762	do	Scotch.....	Blacksmith.....	Home		3	2			7
763	Belgium	Belgian.	Fireman.....	Home	2	3	2			9
764	do	Belgian.	Iron carrier.....	Home	2	1				5
765	do	Belgian.	Founder.....	Home		3	1			6
766	do	Belgian.	Miner.....	Home						2
767	do	Belgian.	Charger.....	Home						2
768	do	Belgian.	Foreman, miners	Home	2			1		5
769	do	Belgian.	Iron carrier.....	Home	2	2				6
770	do	Belgian.	Furnace helper.....	Home	3		2	4		11
771	do	Belgian.	Miner.....	Home	1	1	2			6

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Concluded.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—				Board- ers and others.	Total per- sons in fam- ily.	
			Husband.	Wife at home or at work.	Children.				
					At work.	At school.	At home.	Un- known.	
772	Belgium	Belgian	Calciner	Home	3				5
773	do	Belgian	Furnace helper	Home	3		1		7
774	Great Britain	English	Boiler man	Home		1	1	1	4
775	do	English	Filler, coke	Home			1		3
776	do	English	Engineer, loco- motive.	Home		1	1		4
777	do	English	Engineer, blowing	Home		3	1		6
778	do	English	Engineer, hoisting	Home		1	1		4
779	do	English	Gasman	Home	1				3
780	do	English	Keeper	Home			1		3
781	do	English	Keeper	Home			2	1	5
782	do	English	Keeper	Home		3			5
783	do	English	Keeper	Home		2	2		6
784	do	English	Filler	Home					2
785	do	English	Filler	Home			1		3
786	do	English	Filler	Home			1		3
787	do	English	Flagman	Home		2			4
788	do	English	Slagman	Home		1	2		5
789	do	English	Slagman	Home		3	1		6
790	do	English	Furnace helper	Home	1	4			7
791	do	English	Charger	Home			1		4
792	do	English	Ladler	Home				1	2
793	do	English	Moulder	Home		1			3
794	do	English	Iron handler	Home		5	1	1	9
795	do	Irish	Holper	Home			1		3
796	do	Irish	Keeper	Home		2	1		5
797	do	Irish	Charger	Home	1	3	1		7
798	do	Irish	Charger	Home			1		3
799	do	Irish	Filler	Home		2	1		5
800	do	Irish	Filler	Home	2	3			7
801	do	Scotch	Filler	Home		3	1		6
802	do	Scotch	Filler	Home		3	1		6
803	do	Scotch	Filler	Home	3	2			7
804	do	Scotch	Filler	Home		3	1		6
805	do	Scotch	Keeper	Home			2	2	6
806	do	Scotch	Keeper	Home		2			4
807	do	Scotch	Keeper	Home		1	1		4
808	do	Scotch	Keeper	Home	2	1			5
809	do	Scotch	Keeper	Home	2	3			7
810	do	Scotch	Keeper	Home	3			2	7
811	do	Scotch	Keeper	Home		3	1		6
812	do	Scotch	Keepers' helper	Home			2		4
813	do	Scotch	Keepers' helper	Home			1		3
814	do	Scotch	Keepers' helper	Home	2	2			6
815	do	Scotch	Keepers' helper	Home		1	1		4
816	do	Scotch	Keepers' helper	Home	1	3			6
817	do	Scotch	Iron handler	Home		2	1		5
818	do	Scotch	Iron handler	Home		2	1		5
819	do	Scotch	Iron handler	Home			1		3
820	do	Scotch	Iron handler	Home			2	1	5
821	do	Scotch	Iron handler	Home	2			3	7
822	do	Welsh	Charger	Home			1		3
823	do	Welsh	Fitter	Home		3	1		6
824	do	Welsh	Filler	Home	2	2			6
825	do	Welsh	Filler	Home			1		3
826	do	Welsh	Filler	Home		4	1		7
827	do	Welsh	Filler, coke	Home		2	1		5
828	do	Welsh	Foreman	Home	4				6
829	do	Welsh	Hot-blast man	Home		2			4
830	do	Welsh	Keeper	Home		2			4
831	do	Welsh	Laborer	Home		2	1		5
832	do	Welsh	Laborer	Home	2	3	1		8
833	do	Welsh	Mason	Home				1	3
834	do	Welsh	Mason	Home			2		4
835	do	Welsh	Iron handler	Home	1	1	3		7
836	do	Welsh	Iron handler	Home			1		2
837	do	Welsh	Slagman	Home				1	4
838	do	Welsh	Holper	Home	1	2	1		6

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hns- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
1	24	20																	
2	31	42																	
3	18	19																	
4	36	36	12	M.	4	F.													
5	45	38																	
6	24	20																	
7	28	24	5	F.															
8	30	30	10	F.	8	F.	4	M.	2	F.									
9	30	25	6	F.	4	M.	1	M.											
10	28	25	7	F.															
11	31	23																	
12	23	21																	
13	46	28	2	M.															
14	38	36	8	F.															
15	40	36	14	F.	11	M.	10	M.											
16	25	22																	
17	45	29	6	M.	4	F.	1	F.											
18	30	25	6	F.	4	M.	1	M.											
19	49	45	14	M.	12	F.													
20	45	40	18	M.	14	F.													
21	34	23																	
22	33	20	1	M.															
23	28	19	1	F.															
24	28	26	1	F.															
25	28	18	2	F.															
26	30	23																	
27	31	21																	
28	34	29	8	M.	7	F.	4	M.	1	M.									
29	36	33																	
30	26	17																	
31	25	26																	
32	43	33	12	F.	10	M.	4	F.	2	F.									
33	30	30																	
34	26	21																	
35	23	21																	
36	24	22																	
37	22	16																	
38	40	30																	
39	28	23																	
40	30	29																	
41	36	19	1	F.															
42	42	34	12	M.															
43	33	32	15	M.	12	M.	6	M.	4	M.									
44	20	36	10	M.	3	M.													
45	25	19	4	M.	1	M.													
46	29	28	10	M.	7	M.	5	M.	3	F.									
47	31	30	8	M.	6	F.	5	F.	4	M.	1	M.							
48	23	21																	
49	45	28																	
50	26	26																	
51	32	27	10	M.	9	M.	7	F.											
52	22	22	3	M.															
53	50	28	15	F.	10	M.	8	F.	5	M.	2	F.							
54	26	25	3	F.	2	M.													
55	27	23	3	F.	1	F.													
56	36	19	3	F.	2	M.													
57	34	23																	
58	38	25	4	M.	2	F.													
59	35	30	9	F.	8	M.	5	F.	3	F.	1	F.							
60	30	30	13	F.	11	F.	9	M.	6	M.									
61	33	30	11	M.	10	M.	4	M.											
62	30	24	14	M.	6	F.	5	F.											
63	34	29	11	M.	8	F.	2	F.											
64	59	49	14	F.	11	M.	9	M.	5	M.									
65	26	26	6	M.	4	M.	2	M.											
66	44	37	19	M.	17	M.	10	F.	8	F.	6	M.	4	F.	1	M.			
67	30	32	6	M.	4	M.	1	F.											
68	35	39	18	M.	16	F.	11	M.	9	F.	7	M.	4	F.	1	F.			
69	30	30	4	M.	2	M.	1	M.											
70	39	38	2	F.															
71	38	36	16	M.															
72	34	30	7	F.															





TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

- [All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
145	29	27	4	M.	3	M.	1	M.											
146	50	45	18	F.	16	M.	13	F.	11	F.	9	M.							
147	50	21	18	M.	12	F.	6	M.	5	F.	3	M.	1	F.					
148	56	41																	
149	28	22																	
150	45	45	28	F.	20	F.	18	F.	15	F.	12	F.	10	M.					
151	49	39	19	F.	14	M.	12	F.	9	F.	7	F.	4	M.	2	F.			
152	29	34	9	M.	8	M.	4	F.	3	F.	1	F.							
153	40	40	18	M.	16	M.	13	M.	12	F.	10	F.	6	M.	4	M.			
154	22	19																	
155	23	23	5	M.															
156	29	28	3	F.	1	F.													
157	21	19	3	F.	1	F.													
158	32	18																	
159	45	45	20	M.	14	F.													
160	52	49	18	M.															
161	42	37	17	M.	15	F.	9	F.	6	M.	1	M.							
162	27	24	13	M.	11	M.	5	M.	1	M.									
163	31	25	6	M.	4	M.	3	M.	1	M.									
164	28	26																	
165	35	34	14	M.	11	F.	10	F.	7	M.	6	M.	5	F.	3	M.	1	F.	
166	23	20	1	F.															
167	76	56	21	F.	16	F.													
168	45	28	18	M.	16	F.	9	F.	6	M.	3	M.	2	F.					
169	32	24																	
170	45	44	18	F.	17	M.	9	F.											
171	23	23	1	F.															
172	24	20	2	F.															
173	36		9	F.	2	F.													
174	35	28	7	F.															
175	30	27	2	F.															
176	31	29	6	M.	4	M.													
177	25	25	4	F.	2	F.	1	M.											
178	37	36	14	M.	12	M.	9	M.	7	M.	5	F.	3	F.					
179	34	31	12	M.	10	M.	7	M.	5	F.	3	F.							
180	41	37	12	F.	9	F.	5	M.											
181	40	37	12	M.	10	M.	8	M.	6	F.	3	F.							
182	36	31																	
183	35	32	15	M.	12	M.	9	M.	7	M.	6	F.	3	F.					
184	33	29	8	M.	4	M.	1	M.											
185	30	34	14	M.	4	M.													
186	34	33	3	F.															
187	22	19																	
188	32	22	5	M.	4	M.	1	M.											
189	24	24																	
190	44	42	11	M.	9	F.	5	F.	1	F.									
191	32	27																	
192	38	36	13	F.	10	M.													
193	26	20	1	M.															
194	32	34	3	M.	1	M.													
195	55	46	14	F.	12	F.													
196	43	25	6	M.	4	M.	2	F.	1	F.									
197	40	35																	
198	46	40	19	F.	14	F.	8	M.											
199	53	46	15	F.															
200	61		27	F.	24	M.	20	F.											
201	38	32	5	M.	3	F.													
202	31	35																	
203	30	25	4	F.	2	M.	1	M.											
204	52	45	16	F.	14	M.													
205	35	22																	
206	35	26																	
207	38	35	12	F.	9	F.	7	M.											
208	41	36	13	F.	11	M.	7	M.											
209	26	24	1	M.															
210	28	29	6	F.	2	M.													
211	57	51	16	M.															
212	32	36	7	F.	5	M.	3	M.	1	M.									
213	37	29	8	M.															
214	33	29	1	M.															
215	24	22	2	M.															
216	35	35	5	F.	2	F.													

**B.—AGE AND SEX—Continued.**

The children.

No. of budget.	Age of—		The children.																Others, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus-band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
217	33	30	5	M.	4	M.	3	M.	1	M.									
218	30	25	1	M.															
219	30	30	3	F.	1	M.													
220	40	38	14	F.	12	M.	8	F.											
221	40	44																	
222	29	27	5	M.	3	F.	2	F.	1	F.									
223	40	27	4	M.	1	M.													
224	28	24	1	F.	1														
225	27	26	3	M.	1	F.													
226	32	42	10	M.	9	M.	6	M.	5	M.	3	M.	1	M.					
227	47	47	18	F.	16	F.	14	M.	13	F.	9	M.	7	F.	6	M.	5	M.	
228	29	30	2	M.	1	M.													
229	26	20																	
230	30	24	4	M.	2	M.													
231	22	23	5	F.															
232	36	28	2	F.	1	F.													
233	26	18																	
234	38	36	10	M.	3	F.	2	M.											
235	41	39	16	F.	14	M.	12	F.	10	M.	7	M.	5	M.	3	F.	1	M.	
236	69	59																	
237	37	30	11	M.	8	M.	5	M.	3	M.	1	M.							
238	26	30	6	M.	3	M.	1	M.											
239	37	37	16	M.	14	M.	12	M.	10	F.	7	F.	5	F.	3	F.	1	F.	
240	42	36	16	F.	14	M.	12	M.	8	F.	5	M.	3	F.	2	M.	1	M.	
241	27	22																	
242	42	40	16	M.	13	M.	10	M.	8	F.	7	F.	4	F.	3	M.	1	M.	
243	30	36	4	F.	2	M.	1	M.											
244	32	32	5	F.															
245	37	34	11	M.	7	F.	3	F.	2	M.									
246	38	32	14	M.	4	M.	2	M.											
247	23	23	1	M.															
248	40	35	17	M.	15	M.	14	M.	12	M.	10	M.	8	M.	6	M.	4	M.	
249	24	25																	
250	36	28	5	M.	4	M.	3	M.	1	M.									
251	42	44	20	F.	12	M.	9	M.											
252	50		20	F.	14	M.													
253	60	47	22	F.	16	M.	12	F.	9	M.									
254	60	60	14	F.															
255	38	38	8	M.															
256	28	30	3	F.															
257	30	26	6	M.	4	F.	2	M.	1	F.									
258	24	28	1	F.															
259	60	44	18	M.	13	M.	10	M.	7	F.									
260	26	18																	
261	42	36	16	M.	14	F.	10	F.	7	M.	3	F.							
262	29	29	1	F.															
263	44	42	13	F.	11	M.	9	F.	2	M.									
264	53	50	11	M.															
265	46	46	19	M.	18	M.	15	M.											
266	43	40	10	M.															
267	36	25	2	M.	1	M.													
268	49	48	17	F.	14	F.	11	M.											
269	47	47	21	F.	18	M.	15	M.	10	M.									
270	52	48	17	F.	14	M.	12	F.	8	M.	6	M.							
271	27	29	3	F.															
272	58	59	25	M.	22	M.	21	M.	17	F.									
273	49	45	16	F.	12	F.	10	M.	7	M.									
274	27	22	2	M.															
275	49	47	19	F.	15	F.	12	M.	8	M.	5	F.	3	M.					
276	44	39	18	F.	16	M.	14	M.	10	F.	6	M.							
277	33	27	8	M.	6	F.	4	F.	1	F.									
278	51	47																	
279	50	47	10	M.	8	F.	5	M.											
280	40	40	14	M.	12	M.													
281	35	38	14	M.	12	F.	10	F.	3	F.									
282	35	30	6	M.															
283	37	30																	
284	26	21	3	M.	2	F.	1	F.											
285	55	50	25	F.															
286	42	39	18	F.	15	M.	12	M.											
287	32	26	5	M.	4	M.	2	F.											
288	48	40	8	F.	6	F.	3	F.											





TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																	
	Hus- band.	Wife.	First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		Oth- ers, and age and sex unkn.	
			Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.		
361	50	40	17	F.	15	F.	13	F.	12	M.	9	M.	6	M.	3	M.	1	M.		
362	35	32	16	F.																
363	31	32	1	F.	13	M.	8	F.	7	M.										
364	36	33	7	F.	4	F.	1	M.												
365	39	32	11	F.	9	M.	7	M.	5	M.	2	F.								
366	40	36	12	F.	9	F.	6	M.												
367	39	26	5	M.	4	M.	1	M.												
368	36	30	10	M.	7	F.	4	M.	1	F.										
369	32	34	17	F.	6	F.	5	M.	2	M.										
370	36	35	9	F.	4	M.														
371	35	29	7	F.	3	F.														
372	32	28	10	M.	8	M.	5	M.	1	F.										
373	31	28	11	F.	8	M.	6	F.												
374	36	32	8	F.	3	M.														
375	27	21	4	M.																
376	24	22																		
377	38	36	13	F.	11	M.	9	M.			3	M.								
378	42	36	14	F.	8	M.	5	M.	7	M.										
379	36	33	9	M.	7	M.	4	F.												
380	50	48	16	F.																
381	31	26	4	F.	1	F.														
382	26	22																		
383	40	39	17	F.	15	F.	10	M.	5	M.										
384	36	32	10	F.	6	M.	3	F.	1	F.										
385	46	45																		
386	39	37	15	F.	12	F.	6	M.												
387	40	40																		
388	40	39	16	F.	12	M.	5	M.												
389	47	40	19	F.	14	M.	10	M.	6	F.										
390	35	33	8	F.	5	F.	3	M.												
391	32	28	4	M.	2	M.														
392	42	42	16	F.	12	F.														
393	38	36	10	F.	5	M.	4	M.	2	M.										
394	32	23	2	F.	1	F.														
395	57	50	18	F.	15	M.	13	F.												
396	36	44	12	M.	9	M.	5	M.												
397	43	40	14	F.	12	F.	8	M.	3	M.	1	F.								
398	26	20	5	M.	4	F.	2	M.												
399	41	37	15	F.	12	M.	6	M.	1	F.										
400	24	19	1	F.																
401	33	25	7	F.	5	F.	3	F.												
402	47	37	17	F.	9	F.	1	M.												
403	52	53																		
404	46	47	20	M.	12	F.	10	F.	8	M.										
405	38	26	4	M.	2	F.	1	F.												
406	35	35	14	M.	12	F.	10	F.	8	F.	6	M.	4	M.	2	M.				
407	27	27																		
408	32	33	9	F.	5	F.	1	M.												
409	25	22	1	F.																
410	31	29	10	F.	7	F.	2	F.												
411	34	30	10	F.	9	M.	7	M.												
412	67	63																		
413	35	33	7	F.	5	F.														
414	62	58	26	F.	17	F.														
415	55	54	17	F.																
416	35	33	8	F.	4	F.														
417	30	29	5	M.	1	F.														
418	35	36	13	F.	11	F.	10	F.	8	F.	7	M.	3	M.	2	M.				
419	29	27	8	M.	4	F.	1	F.												
420	29	26	7	M.	3	M.														
421	36	38	11	F.	7	F.	1	M.												
422	64	62	22	F.	16	F.														
423	36	32	5	F.	3	F.	1	M.												
424	25	22	2	M.	1	M.														
425	46	42																		
426	53	50	15	F.	10	M.														
427	30	29	3	M.	2	M.	1	M.												
428	36	32	8	M.	7	M.	5	F.	3	M.										
429	46	42																		
430	25	22	2	M.																
431	22	20																		
432	25	23	1	F.																







TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

**B.—AGE AND SEX—Continued.**

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
577	46	42	22	F.	19	M.	18	F.	14	M.	12	F.	9	F.	7	M.	5	M.	1
578	60	50	23	F.	21	F.													
579	45	37	17	F.	15	M.	13	F.	11	M.	9	F.	7	F.	5	F.			
580	32	33	9	M.	7	M.	4	F.	2	F.									
581	44	31	11	M.	8	F.	5	M.	3	M.									
582	59	59																	
583	50	50	19	M.															
584	45	34	16	F.	14	M.	13	M.	11	F.	9	M.	7	M.	5	F.	3	F.	
585	41	40	19	M.	16	M.	14	F.	8	F.									
586	55	56	15	M.															
587	36	35	11	F.	7	M.	2	F.											
588	43	45	14	F.	13	M.	11	M.	4	F.									
589	36	30	12	F.	9	M.	6	M.											
590	41	48	18	F.	14	F.			2	F.									
591	44	34	12	F.	10	F.	5	M.											
592	38	36	12	F.	10	F.	8	F.	6	F.	4	F.	2	F.					
593	42	32	8	M.	4	F.													
594	45	38	18	F.	14	M.	12	M.	10	M.	8	M.	6	M.	3	M.	1	F.	
595	49	45	3	M.															
596	39	30	10	F.	7	M.	5	M.	3	M.	1	F.							
597	29	25	4	M.	1	F.													
598	31	31	11	M.	3	M.	2	M.											
599	38	38	11	F.	9	M.	7	F.	4	F.	1	F.							
600	40	38	17	F.	11	M.	9		7	F.									
601	28	28	4	F.															
602	40	32	12	M.	10	M.	8	F.	4	M.									
603	34	34	11	F.	9	F.	6	M.	4	M.	3	F.	1	M.					
604	42	32	3	F.	1	F.													
605	46	46																	
606	42	40																	
607	30	31	6	F.	3	F.	2	M.											
608	40	41	13	F.	10	F.	8	M.	6	M.	4	F.							
609	36	30	3	F.															
610	40	39	12	F.	10	F.	3	M.											
611	31	30	1	M.															
612	63	44	17	F.	15	F.	11	F.	9	M.									
613	55	44	23	F.	21	F.	19	F.	16	M.	14	M.	12	F.					
614	50	48	28	F.	15	F.	13	M.	11	M.	8	M.							
615	46	35	6	F.	4	F.	2	M.	1	M.									
616	48		18	F.	16	F.	14	F.	12	F.									
617	50	44	17	M.	15	M.	11	M.	9	M.	6	M.							
618	49	45	21	F.	20	F.	17	M.	14	M.	11	M.	9	F.	7	F.	4	M.	
619	53	51	22	F.	18	F.	14	F.											
620	35	28	2	F.															
621	46	37	16	F.	14	F.	11	M.	9	F.	7	M.	4	M.	3	M.	1	M.	
622	29	28																	
623	65	55																	
624	42	40																	
625	41	40	12	F.															
626	53	53	18	M.	14	F.													
627	35	35	4	M.															
628	48	34																	
629	36	32	5	F.	3	F.	1	M.											
630	28	26	1	F.	1	M.													
631	37	27	6	F.	1	M.													
632	60	40	19	M.	16	F.	14	M.	11	F.	9	M.							
633	36	30	3	M.	1	M.													
634	48		20	M.	18	F.	16	M.	14	F.	11	M.	9	M.					
635	52	45	19	M.	17	F.	13	M.											
636	45	44	15	F.	13	M.	11	M.	9	F.	6	F.	3	F.	1	M.			
637	50	48	18	M.	17	F.	16	F.	14	F.	13	F.	11	F.					
638	30	22	4	M.	2	F.	1	M.											
639	39	45	18	M.	13	F.	11	M.											
640	30	25	1	F.															
641	42	45	15	M.	13	M.	11	M.											
642	33	30	1	M.															
643	58	64	25	M.															
644	21	19																	
645	56	43	20	M.	17	M.	15	F.	13	F.	10	M.	8	F.	4	F.	2	M.	
646	42	42	17	M.	13	M.	11	F.	8	M.	6	M.	4	F.					
647	56	54	23	F.	18	M.	16	M.											
648	40	38	9	F.	7	F.	5	M.	1	M.									

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Thira.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
649	40	35	6	F.	4	M.	2	F.	1	M.									
650	28	27	6	F.	2	F.	1	M.											
651	44	.....	17	M.	16	F.	14	F.	12	F.	10	M.	7	M.					
652	34	34	9	M.	7	F.	5	F.	1	F.									
653	39	35	13	M.	11	F.	8	M.	6	M.									
654	49	40	20	M.	16	F.	14	F.	12	F.	9	F.	6	F.					
655	34	33	16	F.	13	F.	11	F.	9	F.	6	M.	4	M.	2	M.			
656	28	28																	
657	40	36	11	M.	9	M.	7	M.	4	M.	2	M.	1	M.					
658	52	45	17	F.	14	M.	13	F.	12	M.	10	F.	7	F.					
659	41	36	9	M.	6	F.	3	M.	1	M.									
660	55	44	18	F.	14	F.	13	F.	10	M.	8	M.	5	F.					
661	29	24	5	M.	3	M.	1	M.											
662	41	43	12	M.															
663	60	56	22	M.															
664	26	21																	
665	47	44	21	M.	18	F.	17	M.	9	M.	7	M.	4	M.					
666	33	27	3	F.	1	F.													
667	49	41	17	M.	15	M.	12	M.	11	F.	3	F.							
668	50	52	20	F.	16	F.													
669	56	50	18	M.	15	F.	13	M.	5	M.									
670	41	.....	11	M.															
671	40	42	10	M.	3	M.													
672	42	38	17	F.	14	F.	10	F.											
673	50	49																	
674	26	25	1	F.															
675	28	28																	
676	29	25	2	F.															
677	32	26	9	M.	8	F.	6	M.											
678	41	38	4	F.															
679	28	22	5	F.	3	M.													
680	27	24																	
681	32	26	6	F.															
682	30	29																	
683	26	16																	
684	51	31	16	F.															
685	40	50																	
686	57	48	14	M.														1	
687	33	35	11	M.	5	M.	3	M.											
688	44	30	13	F.															
689	30	19																	
690	39	38	16	M.	12	F.	7	F.	2	F.									
691	24	23	1	F.															
692	36	23	5	M.															
693	36	40	13	M.															
694	27	34	13	M.	10	F.													
695	35	25	5	F.	3	M.	1	F.											
696	33	32	6	F.	4	M.	2	M.											
697	26	28																	
698	32	28																	
699	26	24	4	F.															
700	26	20																	
701	33	32																	
702	40	37	17	M.	15	M.	14	M.	11	F.	9	M.	8	M.	7	F.	3	M.	
703	28	23																1	
704	24	27	12	F.	8	F.	3	F.											
705	35	28	8	F.	5	F.	1	F.											
706	25	19	3	M.	1	F.													
707	49	39	14	M.															
708	28	18	1	F.															
709	28	22	2	M.															
710	27	19	1	M.															
711	29	17																	
712	28	18																	
713	25	25	6	F.	3	M.													
714	23	23																	
715	48	37	16	F.	11	F.	10	M.	9	M.	7	M.	6	M.	5	F.	4	F.	
716	45	30	15	M.	10	F.	7	F.										1	
717	33	27	2	M.	1	M.													
718	32	27	12	F.	10	F.	7	M.	6	F.	4	F.	1	F.					
719	42	36																	
720	42	36	15	M.	12	M.	10	M.	8	F.	6	F.	2	F.					



TABLE XIX.—PIG IRON:—COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																		Oth- ers, and age and sex unkn.
	Hus- band.	Wife.	First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.				
			Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex			
721	36	36	12	M.	10	M.	8	F.	7	F.	4	F.	3	F.							
722	34	35	16	M.																	
723	30	26	6	M.	5	F.	3	F.	1	M.											
724	63	62	41	F.																	
725	51	38	16	M.	14	F.	13	F.	10	M.	8	M.	7	M.	5	M.	3	F.			
726	65		23	F.	21	M.	17	M.	15	F.	13	M.	11	F.	6	F.					
727	58	45	14	M.	13	F.	10	M.	7	M.	5	M.	3	M.	1	F.					
728	50	44	25	F.																	
729	35	28	10	M.	4	F.	1	M.													
730	40	32	19	M.	10	F.	8	F.	6	M.	2	M.									
731	48	48	17	F.	16	M.	4	F.	3	F.											
732	26	23																			
733	32	24	7	F.	2	M.															
734	31	25	5	M.	1	F.															
735	36	35	13	F.	12	M.	8	F.	6	M.	2	M.									
736	31	24	4	M.	2	M.	1	F.													
737	54	50	19	M.	8	M.															
738	26	27	14	M.	8	F.															
739	35	27	11	M.	9	M.	8	F.	6	M.	3	F.	1	F.							
740	25	22	6	M.	5	F.	4	F.	2	M.	1	F.									
741	29	40	15	M.	12	F.															
742	33	32	15	F.	11	F.															
743	27	21	1	F.																	
744	39	36	13	F.	2	M.															
745	35	32	1	F.																	
746	49	40	25	F.	21	F.	19	F.	17	F.	15	F.									
747	49	49																			
748	45	30	18	F.	16	F.	13	F.	10	M.	7	M.									
749	36	37	18	F.	14	M.	7	M.	5	F.	2	F.									
750	28	26	2	M.																	
751	30	22	3	F.	2	F.	1	F.													
752	40	38	12	M.	11	M.	8	F.	5	F.											
753	30	23	6	M.	1	M.															
754	26	24	7	M.	3	F.															
755	32	27	6	F.	3	F.															
756	56	30	20	M.																	
757	36	30	6	M.	3	M.	2	F.													
758	33	27	11	F.	7	M.	4	F.													
759	36	36																	5		
760	38	29	11	F.	9	F.	7	M.	4	M.	2	M.									
761	40	35	15	F.	11	M.	5	M.	1	F.											
762	38	38	12	M.	9	M.	6	F.	5	M.	2	F.									
763	45	37	18	M.	16	F.	12	M.	10	M.	6	F.	4	M.	2	F.					
764	58	54	17	M.	14	M.	10	F.													
765	43	36	14	F.	12	F.	9	F.	6	M.											
766	34	25																			
767	57	57																			
768	52	52	21	F.	20	M.	17	M.													
769	50	48	16	M.	14	M.	11	F.	8	F.											
770	45	43	23	M.	22	M.	19	F.	16	M.	13	M.	10	F.	8	F.	7	F.	1		
771	50	45	16	F.	12	M.	11	M.	6	M.											
772	62	58	26	F.	20	F.	16	M.													
773	60	57	25	F.	23		21	M.	18	F.											
774	27	26	6	F.	3	M.															
775	24	22	2	M.		M.															
776	29	30	7	F.	4	F.															
777	31	29	10	F.	8	F.	4	M.	2	F.											
778	33	30	6	M.	3	M.															
779	46	44	20	F.																	
780	26	23	1	F.																	
781	31	32	8	F.	6	F.	3	F.													
782	38	36	12	M.	7	F.	5	F.													
783	30	30	8	F.	6	M.	3	M.	1	M.											
784	35	30																			
785	40	37	3	F.																	
786	28	26	2	F.																	
787	31	28	9	M.	6	F.															
788	30	28	6	M.	4	F.	2	M.													
789	31	30	9	M.	7	M.	5	F.	3	F.											
790	49	48	19	M.	14	M.	10	M.	7	M.	2	F.									



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1	No.	\$418.00					\$448.00
2	No.	530.00					530.00
3	No.	500.00				\$30.00	530.00
4	No.	435.00			\$90.00		525.00
5	No.	410.00				20.00	430.00
6	No.	420.00					420.00
7	No.	350.00			96.00	30.00	476.00
8	No.	410.20				20.00	430.20
9	No.	635.00					655.00
10	No.	350.00				18.00	368.00
11	No.	384.00					384.00
12	No.	400.00				25.00	425.00
13	No.	564.00					564.00
14	No.	350.00				15.00	365.00
15	No.	350.00			144.00		494.00
16	No.	912.50					912.50
17	No.	450.00			128.00		578.00
18	No.	460.00					460.00
19	No.	400.00			120.00		520.00
20	No.	200.00		\$225.00			525.00
21	No.	340.00			144.00		484.00
22	No.	330.00					330.00
23	No.	500.00					500.00
24	No.	420.00			192.00		612.00
25	No.	575.00					575.00
26	No.	480.00			48.00		528.00
27	No.	620.00					620.00
28	No.	520.00			90.00		610.00
29	No.	1,040.00					1,040.00
30	No.	620.00					620.00
31	No.	600.00					600.00
32	No.	720.00					720.00
33	No.	840.00					840.00
34	No.	385.00					385.00
35	No.	440.00					440.00
36	No.	350.00					350.00
37	No.	320.00					320.00
38	No.	325.00				30.00	355.00
39	No.	658.50			120.00		778.50
40	No.	650.00			36.00		686.00
41	No.	600.00			72.00		672.00
42	No.	520.00				30.00	550.00
43	No.	400.00			288.00		688.00
44	No.	690.00					690.00
45	No.	590.50					590.50
46	No.	500.00					500.00
47	No.	550.00					550.00
48	No.	425.00					425.00
49	No.	425.00			288.00		713.00
50	No.	500.00			36.00		536.00
51	No.	605.50					605.50
52	No.	390.00					390.00
53	No.	325.00					325.00
54	No.	396.50					396.50
55	No.	425.00			72.00		497.00
56	No.	500.00					500.00
57	No.	430.50					430.50
58	No.	640.00					640.00
59	No.	675.00					675.00
60	No.	375.00			76.50		451.50
61	No.	470.00					470.00
62	No.	552.00					552.00
63	No.	300.00					300.00
64	No.	600.00					600.00
65	No.	390.00			4.00		394.00
66	No.	470.00		400.00			870.00
67	No.	780.00			12.00		792.00
68	No.	708.75		50.00	70.00		828.75
69	No.	900.00					900.00
70	No.	1,118.88					1,118.88
71	Yes	809.50		240.00			1,049.50
72	No.	200.00			140.00	25.00	465.00
73	No.	378.00					378.00
74	No.	554.60					554.60
75	No.	275.00			120.00		395.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
76	No.....	\$400.00					\$400.00
77	No.....	470.00					470.00
78	No.....	341.65					341.65
79	No.....	415.65			\$24.00		439.65
80	No.....	300.00	\$220.00				520.00
81	No.....	236.50			40.00		276.50
82	No.....	555.80					555.80
83	No.....	340.00			48.00	\$40.00	428.00
84	No.....	340.00					340.00
85	No.....	417.60		\$85.00			502.60
86	No.....	315.50					315.50
87	No.....	581.31					581.31
88	No.....	690.00	100.00				790.00
89	No.....	478.75					478.75
90	No.....	497.67					497.67
91	No.....	475.00				75.00	550.00
92	No.....	420.00					420.00
93	No.....	544.90			60.00		604.90
94	No.....	345.20					345.20
95	No.....	325.00					325.00
96	No.....	400.00					400.00
97	No.....	490.00		145.00			635.00
98	No.....	538.70					538.70
99	No.....	399.75					399.75
100	No.....	580.00				25.00	605.00
101	No.....	650.00					650.00
102	No.....	385.00					385.00
103	No.....	395.00					395.00
104	No.....	227.75				20.00	247.75
105	No.....	810.20					810.20
106	No.....	547.50					547.50
107	No.....	1,200.00					1,200.00
108	Yes.....	635.00		58.00			693.00
109	No.....	360.00				50.00	410.00
110	No.....	350.00					350.00
111	No.....	1,080.00					1,080.00
112	No.....	545.28					545.28
113	No.....	633.24			40.00		673.24
114	No.....	527.58					527.58
115	No.....	326.36				30.00	356.36
116	No.....	473.07					473.07
117	No.....	435.77					435.77
118	No.....	453.08					453.08
119	Yes.....	330.64	240.00				570.64
120	No.....	390.00				40.00	430.00
121	No.....	289.10	120.00		60.00		469.10
122	No.....	498.82					498.82
123	No.....	355.79				30.00	385.79
124	Yes.....	462.23					462.23
125	No.....	299.16			144.00		443.16
126	No.....	268.29	120.00	260.00			648.29
127	No.....	354.00				36.00	390.00
128	No.....	300.00				50.00	350.00
129	No.....	390.00					390.00
130	No.....	420.00				80.00	500.00
131	No.....	464.00		588.00			1,052.00
132	No.....	205.00					205.00
133	No.....	630.00		120.00			750.00
134	No.....	1,100.00		25.00			1,125.00
135	Yes.....	625.40					625.40
136	Yes.....	890.00					890.00
137	No.....	500.00					500.00
138	Yes.....	599.76		108.00		30.00	737.76
139	No.....	654.00					654.00
140	No.....	500.00					500.00
141	No.....	569.95					569.95
142	No.....	720.00					720.00
143	No.....	825.00					825.00
144	No.....	335.60					335.60
145	No.....	475.00					475.00
146	No.....	1,020.00					1,020.00
147	No.....	150.00					150.00
148	No.....	620.00		300.00			920.00
149	No.....	350.00					350.00
150	No.....	460.00		20.00		40.00	520.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
151	No.....	\$504.00			\$120.00		\$624.00
152	No.....	420.50					420.50
153	No.....	264.00		\$350.00			614.00
154	No.....	340.00				\$24.00	364.00
155	No.....	700.00					700.00
156	No.....	200.00				145.00	345.00
157	No.....	260.00				12.00	272.00
158	No.....	370.25					370.25
159	No.....	200.00		224.00	24.00		448.00
160	No.....	270.00		200.00	200.00		670.00
161	No.....	440.00		150.00			590.00
162	No.....	270.00					270.00
163	No.....	358.00					358.00
164	No.....	420.00					420.00
165	No.....	420.00		150.00			570.00
166	No.....	520.00					520.00
167	No.....	320.00			200.00		520.00
168	No.....	430.00		200.00			630.00
169	No.....	610.00					610.00
170	Yes.....	473.00				318.90	791.90
171	No.....	584.00					584.00
172	No.....	730.00					730.00
173	No.....	650.00					650.00
174	No.....	492.75					492.75
175	No.....	375.00					375.00
176	Yes.....	684.00					684.00
177	Yes.....	660.00					660.00
178	No.....	778.30			240.00		1,018.30
179	No.....	820.00			54.00		874.00
180	No.....	821.25				80.00	901.25
181	No.....	784.75					784.75
182	No.....	629.35				35.00	664.35
183	No.....	780.45			240.00		1,020.45
184	Yes.....	617.50					617.50
185	No.....	469.00					469.00
186	Yes.....	525.00					525.00
187	No.....	579.50					579.50
188	Yes.....	457.50					457.50
189	No.....	720.25					720.25
190	Yes.....	678.30					678.30
191	No.....	1,038.25					1,038.25
192	Yes.....	655.00					655.00
193	No.....	800.00					800.00
194	Yes.....	684.00					684.00
195	No.....	693.50				258.00	951.50
196	No.....	480.00					480.00
197	No.....	821.25					821.25
198	No.....	730.00		35.00			765.00
199	No.....	300.00			208.00		508.00
200	No.....	420.00					420.00
201	No.....	670.00					670.00
202	No.....	715.95					715.95
203	No.....	1,082.85					1,082.85
204	No.....	710.25			648.00	156.00	1,514.25
205	No.....	700.00					700.00
206	No.....	550.00					550.00
207	No.....	1,003.75					1,003.75
208	No.....	700.00					700.00
209	No.....	650.00					650.00
210	Yes.....	420.00				30.00	450.00
211	No.....	600.00				40.00	640.00
212	Yes.....	760.00					760.00
213	No.....	780.00					780.00
214	No.....	614.68					614.68
215	No.....	492.79					492.79
216	No.....	553.44					553.44
217	No.....	600.00					600.00
218	No.....	340.00			36.00		376.00
219	No.....	350.00			36.00		386.00
220	No.....	375.00				48.00	423.00
221	No.....	360.00					360.00
222	No.....	496.50					496.50
223	No.....	638.29			180.00		818.29
224	No.....	500.00					500.00
225	No.....	556.94					556.94

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
226	No.....	\$406.00					\$406.00
227	Yes.....	500.00			\$900.00		1,400.00
228	No.....	350.00					350.00
229	No.....	300.00					300.00
230	No.....	180.07				\$12.00	192.07
231	No.....	461.32				10.00	471.32
232	No.....	275.00			72.00		347.00
233	No.....	420.00			381.00		801.00
234	No.....	290.00			210.00		500.00
235	Yes.....	500.00					500.00
236	No.....	330.00				24.00	354.00
237	No.....	570.00				45.00	615.00
238	No.....	440.00					440.00
239	No.....	591.20		\$35.00			626.20
240	No.....	568.39			105.00		673.39
241	No.....	488.86					488.86
242	No.....	771.86		30.00			801.86
243	No.....	515.00					515.00
244	No.....	476.63					476.63
245	No.....	478.00				20.00	498.00
246	No.....	399.25			150.00		549.25
247	No.....	518.25					518.25
248	No.....	524.45		325.00		40.00	889.45
249	No.....	510.00			15.00		525.00
250	No.....	522.14					522.14
251	No.....	547.40		160.00			707.40
252	No.....	430.00				10.00	440.00
253	Yes.....	505.35		20.00		48.00	573.35
254	No.....	432.00					432.00
255	No.....	471.86				13.00	484.86
256	No.....	530.25					530.25
257	No.....	511.85					511.85
258	No.....	340.48					340.48
259	No.....	300.00		325.00	168.00		793.00
260	No.....	360.00			144.00		504.00
261	No.....	562.18			360.00		922.18
262	No.....	478.45			120.00		598.45
263	No.....	546.00					546.00
264	No.....	589.59					589.59
265	No.....	528.00					528.00
266	No.....	394.50		400.00		192.00	1,120.00
267	No.....	450.00					450.00
268	Yes.....	862.50					862.50
269	No.....	518.56		100.00			618.56
270	Yes.....	1,105.00					1,105.00
271	No.....	517.68					517.68
272	Yes.....	445.91		400.00			845.91
273	Yes.....	726.80					726.80
274	Yes.....	396.40					396.40
275	Yes.....	539.63					539.63
276	Yes.....	1,020.50		50.00			1,070.50
277	Yes.....	492.20					492.20
278	Yes.....	494.90				80.00	574.90
279	No.....	511.83				20.00	531.83
280	Yes.....	594.63					594.63
281	No.....	552.10					552.10
282	No.....	323.72					323.72
283	Yes.....	720.00					720.00
284	No.....	547.50			360.00		907.50
285	Yes.....	400.50					400.50
286	Yes.....	500.00					500.00
287	No.....	720.00					720.00
288	No.....	520.50					520.50
289	No.....	340.00					340.00
290	No.....	385.50		180.00			565.50
291	No.....	412.75					412.75
292	No.....	460.00					460.00
293	Yes.....	415.60				160.00	575.60
294	Yes.....	600.00		100.00			700.00
295	No.....	435.40					435.40
296	No.....	421.65					421.65
297	No.....	388.45					388.45
298	No.....	575.00					575.00
299	No.....	538.15					538.15
300	Yes.....	350.00			192.00		542.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Budget number.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
301	No.....	\$405.00					\$405.00
302	No.....	360.00					360.00
303	No.....	462.00					462.00
304	No.....	450.00		\$150.00		\$125.90	725.90
305	No.....	382.50		300.00	\$100.00		782.50
306	Yes.....	480.00					480.00
307	Yes.....	468.00					468.00
308	No.....	594.00				96.00	690.00
309	Yes.....	450.75				66.00	516.75
310	Yes.....	472.05					472.05
311	Yes.....	421.15				50.00	471.15
312	Yes.....	448.11					448.11
313	Yes.....	553.59					553.59
314	No.....	531.57			65.00		596.57
315	Yes.....	625.50					625.50
316	Yes.....	451.23					451.23
317	Yes.....	600.00		50.00			650.00
318	Yes.....	646.20					646.20
319	Yes.....	720.50					720.50
320	Yes.....	411.73				48.00	459.73
321	Yes.....	420.00					420.00
322	Yes.....	584.80					584.80
323	Yes.....	446.42			100.00		546.42
324	Yes.....	446.25				18.00	464.25
325	Yes.....	766.10					766.10
326	Yes.....	541.65		100.00			641.65
327	Yes.....	578.30					578.30
328	Yes.....	523.70		50.00			573.70
329	No.....	425.70					425.70
330	Yes.....	596.10					596.10
331	Yes.....	507.55					507.55
332	Yes.....	483.75					483.75
333	Yes.....	378.80					378.80
334	Yes.....	633.25					633.25
335	Yes.....	501.80		240.00			741.80
336	Yes.....	572.25		125.00			697.25
337	Yes.....	511.95		50.00			561.95
338	Yes.....	514.80		450.00			964.80
339	Yes.....	538.95					538.95
340	Yes.....	400.00			150.00		550.00
341	Yes.....	638.75					638.75
342	Yes.....	730.00					730.00
343	Yes.....	638.75				72.00	710.75
344	No.....	547.50					547.50
345	Yes.....	638.75					638.75
346	Yes.....	525.00			336.00		861.00
347	No.....	495.07					495.07
348	Yes.....	458.75					458.75
349	Yes.....	496.18					496.18
350	No.....	545.30					545.30
351	Yes.....	466.15					466.15
352	Yes.....	448.75		268.00			716.75
353	No.....	400.00		120.00			520.00
354	No.....	516.80					516.80
355	Yes.....	542.50					542.50
356	Yes.....	813.35					813.35
357	Yes.....	595.75					595.75
358	Yes.....	706.00					706.00
359	Yes.....	500.20		250.00		144.00	894.20
360	No.....	533.50					533.50
361	No.....	454.05					454.05
362	No.....	505.40					505.40
363	No.....	720.00					720.00
364	No.....	325.00					325.00
365	No.....	735.00					735.00
366	No.....	520.00					520.00
367	No.....	600.00					600.00
368	Yes.....	200.00				132.00	332.00
369	No.....	566.00					566.00
370	No.....	620.00					620.00
371	No.....	600.00					600.00
372	No.....	775.00				8.00	783.00
373	No.....	690.00				12.78	702.78
374	No.....	435.00					435.00
375	No.....	180.00					180.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
376	Yes.....	\$618.00					\$618.00
377	No.....	612.00					612.00
378	No.....	438.00					438.00
379	No.....	401.50					401.50
380	No.....	750.00					750.00
381	No.....	512.00					512.00
382	No.....	480.00					480.00
383	No.....	910.00					910.00
384	No.....	530.40					530.40
385	Yes.....	702.00					702.00
386	No.....	440.00					440.00
387	No.....	520.00					520.00
388	No.....	530.40					530.40
389	No.....	770.50					770.50
390	No.....	509.00					509.00
391	No.....	442.00					442.00
392	No.....	606.90					606.90
393	No.....	484.50			\$100.00		584.50
394	No.....	472.00					472.00
395	No.....	574.00			432.00		1,006.00
396	No.....	605.00					605.00
397	No.....	290.00				\$70.00	360.00
398	No.....	519.75					519.75
399	No.....	584.25			85.00		669.25
400	No.....	519.00					519.00
401	No.....	541.50			60.00		601.50
402	No.....	440.05					440.05
403	No.....	895.00					895.00
404	No.....	210.60		\$544.50		120.00	875.10
405	No.....	332.10				18.65	550.75
406	No.....	512.50					512.50
407	No.....	544.50					544.50
408	No.....	720.00					720.00
409	No.....	429.50					429.50
410	No.....	627.00					627.00
411	Yes.....	837.50					837.50
412	No.....	445.50			75.00		520.50
413	No.....	517.00					517.00
414	No.....	610.00					610.00
415	No.....	580.00					580.00
416	Yes.....	724.00					724.00
417	Yes.....	693.00					693.00
418	No.....	563.00					563.00
419	No.....	460.25				7.00	467.25
420	No.....	340.00					340.00
421	No.....	524.75					524.75
422	No.....	425.25				20.00	445.25
423	No.....	491.00					491.00
424	No.....	513.00					513.00
425	No.....	431.00					431.00
426	No.....	510.00					510.00
427	No.....	426.00					426.00
428	No.....	540.00					540.00
429	No.....	410.15					410.15
430	No.....	512.00					512.00
431	No.....	510.50					510.50
432	No.....	421.00					421.00
433	No.....	551.00					551.00
434	No.....	525.00					525.00
435	No.....	618.00					618.00
436	No.....	441.50					441.50
437	No.....	490.00					490.00
438	No.....	444.00					444.00
439	No.....	495.00					495.00
440	Yes.....	569.20					569.20
441	No.....	445.50				60.00	505.50
442	No.....	283.50				50.00	333.50
443	No.....	549.50				60.00	609.50
444	Yes.....	584.00				150.00	734.00
445	Yes.....	670.80		252.00	200.00		1,122.80
446	No.....	499.00					499.00
447	No.....	469.45					469.45
448	Yes.....	715.00					715.00
449	No.....	461.25			200.00		661.25
450	No.....	585.75					585.75

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
451	No.....	\$470.25					\$470.25
452	No.....	495.00			\$154.00		649.00
453	Yes.....	610.00					610.00
454	No.....	396.00				\$44.00	440.00
455	No.....	463.25				30.00	493.25
456	No.....	607.50				80.00	687.50
457	Yes.....	930.50		\$504.00			1,434.50
458	No.....	498.00				24.50	522.50
459	No.....	473.25					473.25
460	Yes.....	600.00			360.00		960.00
461	Yes.....	534.50					534.50
462	No.....	470.75				20.00	490.75
463	No.....	544.50			61.00		605.50
464	No.....	387.90				18.00	405.90
465	Yes.....	594.00				300.00	894.00
466	No.....	757.50					757.50
467	No.....	148.50		870.40			1,018.90
468	No.....	445.10					445.10
469	No.....	483.00					483.00
470	No.....	467.50					467.50
471	No.....	385.00					385.00
472	No.....	574.50					574.50
473	No.....	184.90		365.60		20.00	570.50
474	No.....	511.00					511.00
475	No.....	400.95		182.50	250.00		833.45
476	No.....	492.30					492.30
477	No.....	695.00				30.00	725.00
478	No.....	660.00		473.85			1,133.85
479	Yes.....	577.50				56.00	633.50
480	No.....	536.00				190.00	726.00
481	Yes.....	581.50					581.50
482	No.....	546.00					546.00
483	No.....	452.00					452.00
484	No.....	539.50					539.50
485	Yes.....	488.00				65.00	553.00
486	No.....	582.00					582.00
487	No.....	544.50		519.75	580.00	60.00	1,704.25
488	No.....	544.50					544.50
489	No.....	544.50			216.00		760.50
490	Yes.....	726.50					726.50
491	Yes.....	627.00					627.00
492	No.....	400.95		294.05	388.00	50.00	1,081.00
493	Yes.....	255.15		168.00			423.15
494	No.....	438.00				90.00	528.00
495	Yes.....	368.45				60.00	428.45
496	No.....	364.50			216.00		580.50
497	No.....	449.00			90.00		545.00
498	No.....	175.00			65.00	120.00	360.00
499	Yes.....	810.00					810.00
500	No.....	566.00		100.00			666.00
501	No.....	365.00				59.00	424.00
502	No.....	366.45				32.00	398.45
503	No.....	551.00					551.00
504	Yes.....	396.00		145.00	400.00		941.00
505	Yes.....	330.95			480.00		810.95
506	No.....	480.00					480.00
507	Yes.....	566.00					566.00
508	Yes.....	460.00		440.00		24.00	924.00
509	Yes.....	540.00				84.00	624.00
510	No.....	553.00				58.00	611.00
511	Yes.....	609.00					609.00
512	Yes.....	750.00			96.00		846.00
513	No.....	565.00					565.00
514	Yes.....	551.00					551.00
515	No.....	534.50					534.50
516	Yes.....	574.00					574.00
517	No.....	549.00				30.00	579.00
518	Yes.....	564.00					564.00
519	Yes.....	540.00				30.00	570.00
520	No.....	522.00				18.00	540.00
521	Yes.....	454.00				60.00	514.00
522	Yes.....	436.00					436.00
523	No.....	433.00		12.00	297.00		742.00
524	Yes.....	301.20					301.20
525	No.....	535.80					535.80



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupat ion of—			Board and lodging.	Other sources.	
		Husband.	W ife.	Children.			
526	Yes.....	\$517.00				\$32.00	\$549.00
527	No.....	665.00					665.00
528	Yes.....	730.00					730.00
529	Yes.....	456.00					456.00
530	No.....	492.00				25.00	517.00
531	No.....	474.75				48.00	522.75
532	Yes.....	828.00				20.00	848.00
533	No.....	366.00		\$150.00		48.00	558.00
534	No.....	563.00					563.00
535	No.....	525.00					525.00
536	No.....	600.00					600.00
537	No.....	478.00					478.00
538	No.....	427.40				21.00	448.40
539	No.....	374.00				150.00	524.00
540	No.....	535.00					535.00
541	No.....	449.00				32.00	481.00
542	No.....	415.70					415.70
543	No.....	415.00					415.00
544	Yes.....	1,500.00					1,500.00
545	No.....	534.00					534.00
546	No.....	524.50			\$160.00	185.00	869.50
547	Yes.....	515.00					515.00
548	No.....	424.00			600.00		1,024.00
549	Yes.....	560.00		640.00			1,200.00
550	No.....	637.00		324.00			961.00
551	No.....	415.50					415.50
552	Yes.....	810.32					810.32
553	No.....	413.80					413.80
554	No.....	413.60	\$140.00		110.00		523.80
555	Yes.....	720.00			156.00	76.00	952.00
556	Yes.....	386.00				50.00	436.00
557	Yes.....	350.00					350.00
558	Yes.....	870.00				121.00	991.00
559	No.....	570.00					570.00
560	No.....	405.80		540.00			945.80
561	No.....	700.00			324.00		1,024.00
562	No.....	600.00					600.00
563	Yes.....	550.00		450.00			1,000.00
564	No.....	530.40					530.40
565	No.....	513.00					513.00
566	No.....	431.00					431.00
567	No.....	465.75		405.00	75.00		945.75
568	No.....	537.75					537.75
569	Yes.....	569.25				445.00	1,014.25
570	Yes.....	182.00		625.35		24.00	831.35
571	Yes.....	670.00		250.00			920.00
572	No.....	410.15					410.15
573	No.....	636.75					636.75
574	No.....	323.75					323.75
575	Yes.....	404.50				7.00	411.50
576	Yes.....	666.25				370.00	1,036.25
577	No.....	396.25		293.00			689.25
578	No.....	347.16		218.70	180.00		745.86
579	No.....	386.10					386.10
580	No.....	479.50					479.50
581	Yes.....	584.00					584.00
582	No.....	471.00					471.00
583	Yes.....	340.80					340.80
584	Yes.....	539.50					539.50
585	No.....	520.00		300.00	408.00		1,228.00
586	No.....	600.00			136.00		736.00
587	Yes.....	602.00					602.00
588	Yes.....	728.00					728.00
589	Yes.....	900.00				156.00	1,056.00
590	No.....	600.00					600.00
591	No.....	315.00					315.00
592	No.....	656.00					656.00
593	No.....	675.00					675.00
594	Yes.....	341.40					341.40
595	Yes.....	546.35				10.00	556.35
596	No.....	368.55					368.55
597	Yes.....	594.00				60.00	654.00
598	Yes.....	564.00					564.00
599	Yes.....	512.50					512.50
600	No.....	715.00				38.50	753.50

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
601	No.....	\$420.00					\$420.00
602	No.....	570.00					570.00
603	No.....	620.50				\$50.00	670.50
604	No.....	686.40					686.40
605	No.....	509.00					509.00
606	No.....	468.00					468.00
607	No.....	465.60					465.60
608	No.....	546.00					546.00
609	No.....	468.00					468.00
610	No.....	509.60					509.60
611	No.....	705.00					705.00
612	Yes.....	364.50					364.50
613	Yes.....	560.00		\$119.20		56.00	735.20
614	Yes.....	544.50			\$120.00	235.00	899.50
615	Yes.....	540.00				384.00	924.00
616	Yes.....	529.50					529.50
617	No.....	505.00		245.00			750.00
618	Yes.....	625.00		380.00			1,005.00
619	No.....	620.00				200.00	820.00
620	No.....	434.00					434.00
621	No.....	419.40				18.00	437.40
622	No.....	397.50					397.50
623	Yes.....	283.50					283.50
624	No.....	520.40					520.40
625	No.....	416.70					416.70
626	No.....	422.60		225.00		30.00	677.60
627	No.....	337.50				975.00	1,312.50
628	Yes.....	362.44				262.00	624.44
629	No.....	380.50					380.50
630	No.....	434.00					434.00
631	No.....	403.20					403.20
632	No.....	230.00		466.00			696.00
633	No.....	446.00				80.00	526.00
634	Yes.....	590.05		319.05			909.10
635	No.....	519.75					519.75
636	Yes.....	544.50			408.00		952.50
637	Yes.....	786.50		328.00		180.00	1,294.50
638	No.....	564.50					564.50
639	No.....	544.50		364.50			909.00
640	No.....	509.75					509.75
641	No.....	430.75		84.50		7.00	522.25
642	No.....	600.00			126.00		726.00
643	No.....	450.50				40.00	490.50
644	No.....	481.50					481.50
645	No.....	345.75		839.00			1,184.75
646	Yes.....	378.50		117.50		142.00	638.00
647	No.....	570.00		504.50		100.00	1,174.50
648	Yes.....	574.00					574.00
649	Yes.....	474.00					474.00
650	No.....	396.00					396.00
651	Yes.....	565.00		212.40			777.40
652	No.....	415.00			170.00		585.00
653	No.....	495.00				50.00	545.00
654	Yes.....	569.25		218.70	230.00		1,017.95
655	Yes.....	594.00			700.00	192.00	1,486.00
656	No.....	755.00					755.00
657	Yes.....	785.00				30.00	815.00
658	Yes.....	351.00				75.00	426.00
659	No.....	340.20					340.20
660	No.....	355.00			385.00		740.00
661	No.....	586.00					586.00
662	Yes.....	529.00					529.00
663	Yes.....	400.95		529.00	300.00		1,229.95
664	No.....	500.00			300.00		800.00
665	Yes.....	474.00		344.00			818.00
666	No.....	463.00			408.00		871.00
667	Yes.....	750.00		200.00			950.00
668	Yes.....	541.00			125.00	96.00	762.00
669	Yes.....	520.00		100.00	216.00		836.00
670	Yes.....	549.00					549.00
671	No.....	509.00					509.00
672	No.....	450.00					450.00
673	No.....	423.15					423.15
674	No.....	630.00					630.00
675	No.....	476.45			114.00	45.00	635.45

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
676	No.	\$564.25					\$564.25
677	No.	412.80					412.80
678	No.	610.25				\$6.00	610.25
679	No.	437.50					437.50
680	No.	375.00					375.00
681	No.	443.55					443.55
682	No.	547.50					547.50
683	No.	455.00					455.00
684	No.	353.00			\$600.00		953.00
685	Yes.	506.80					506.80
686	No.	680.00					680.00
687	No.	900.00					900.00
688	No.	355.00					355.00
689	No.	586.45					586.45
690	No.	700.25					700.25
691	No.	460.00					460.00
692	No.	502.50					502.50
693	No.	619.75				45.00	664.75
694	No.	700.00				112.00	812.00
695	No.	766.00					766.00
696	No.	892.50				102.00	994.50
697	No.	469.00	\$104.00				573.00
698	No.	414.35					414.35
699	No.	339.55			24.00		363.55
700	No.	457.65					457.65
701	No.	390.00					390.00
702	No.	312.00		\$210.00			522.00
703	No.	476.10					476.10
704	No.	744.75					744.75
705	No.	662.30					662.30
706	No.	280.00			108.00		388.00
707	No.	612.50					612.50
708	Yes.	552.50					552.50
709	No.	431.60				144.00	575.60
710	No.	395.50					395.50
711	No.	472.50					472.50
712	No.	379.50					379.50
713	No.	430.80				48.00	478.80
714	No.	476.00					476.00
715	No.	300.00					300.00
716	No.	575.25		25.00			600.25
717	No.	420.00		90.00	96.00		616.00
718	No.	440.50					440.50
719	No.	275.00			144.00		419.00
720	No.	420.60		110.00		60.00	590.60
721	No.	390.00					390.00
722	No.	375.00					375.00
723	No.	440.50					440.50
724	No.	220.00		20.00			240.00
725	No.	1,200.00					1,200.00
726	No.	307.60		300.00			607.60
727	Yes.	308.00		225.00	50.00		583.00
728	Yes.	300.00				160.00	460.00
729	No.	350.30				37.00	387.30
730	Yes.	350.00				86.00	436.00
731	No.	323.18		58.50		194.00	485.68
732	No.	393.00					393.00
733	No.	456.00				45.00	501.00
734	Yes.	447.00				63.00	510.00
735	No.	393.30			130.50		523.80
736	No.	267.00				140.00	407.00
737	No.	273.00					273.00
738	Yes.	373.75		39.00		202.00	614.75
739	No.	574.00				10.00	584.00
740	No.	353.17					353.17
741	Yes.	273.00					273.00
742	Yes.	312.00				60.00	372.00
743	No.	399.00			147.00		546.00
744	No.	260.00				100.00	360.00
745	No.	336.35					336.35
746	No.	329.00				120.00	449.00
747	No.	286.00				68.00	354.00
748	No.	247.00				216.00	463.00
749	Yes.	351.00		45.00		100.00	496.00
750	No.	584.00					584.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bnd- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
751	No.....	\$491.70					\$491.70
752	No.....	475.00				\$56.00	531.00
753	Yes.....	355.00			\$136.00	99.00	590.00
754	No.....	583.00					588.00
755	No.....	626.00					626.00
756	Yes.....	700.00		\$360.00			1,060.00
757	No.....	748.80				225.00	973.80
758	No.....	602.25					602.25
759	No.....	600.00				72.00	672.00
760	No.....	547.00					547.00
761	Yes.....	433.00					433.00
762	No.....	768.00					768.00
763	No.....	179.68		229.08			409.36
764	No.....	159.23		262.29			421.52
765	No.....	214.23					214.23
766	No.....	202.65					202.65
767	No.....	211.34					211.34
768	No.....	360.14		351.84			711.98
769	No.....	202.65		97.66			300.31
770	No.....	180.07		455.48			635.55
771	No.....	217.13		71.41			288.54
772	No.....	180.07		167.91			347.98
773	No.....	130.28		246.08			376.36
774	No.....	389.32					389.32
775	No.....	374.72					374.72
776	No.....	458.67					458.67
777	No.....	518.28					518.28
778	No.....	437.99					437.99
779	No.....	399.05		73.00			472.05
780	No.....	433.12					433.12
781	No.....	620.48					620.48
782	No.....	618.05					618.05
783	No.....	433.12					433.12
784	No.....	433.12					433.12
785	No.....	433.12					433.12
786	No.....	433.12					433.12
787	No.....	345.52					345.52
788	No.....	449.18					449.18
789	No.....	447.72					447.72
790	No.....	433.12		267.66			700.78
791	No.....	262.79				97.33	360.12
792	No.....	301.72					301.72
793	No.....	253.06					253.06
794	No.....	291.99			139.18		431.17
795	No.....	306.59					306.59
796	No.....	408.79					408.79
797	No.....	472.05		48.67			520.72
798	No.....	472.05					472.05
799	No.....	319.26					319.26
800	No.....	364.99		316.32			681.31
801	No.....	364.99				48.67	413.66
802	No.....	364.99				48.67	413.66
803	No.....	364.99		374.73			739.72
804	No.....	364.99				48.67	413.66
805	No.....	486.65					486.65
806	No.....	486.65					486.65
807	No.....	462.32				48.67	510.99
808	No.....	462.32		316.33			778.65
809	No.....	486.65		340.66		48.67	875.98
810	No.....	486.65		462.33			948.98
811	No.....	462.32				48.67	510.99
812	No.....	316.32				48.67	364.99
813	No.....	340.66				48.67	389.33
814	No.....	316.32		194.66		24.33	535.31
815	No.....	340.66				48.67	389.33
816	No.....	340.65		146.00			486.65
817	No.....	311.46				48.67	360.13
818	No.....	311.46				73.00	384.46
819	No.....	311.46				48.67	360.13
820	No.....	311.46				48.67	360.13
821	No.....	306.59		340.65			647.24
822	No.....	301.72					301.72
823	No.....	369.85					369.85
824	No.....	340.66		204.40			545.06
825	No.....	291.99					291.99

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Concluded.

Budget number.	Own house.	Income from—					
		Occupation of—			Board and lodging.	Other sources.	Total.
		Husband.	Wife.	Children.			
826	No.....	\$311.46					\$311.46
827	No.....	255.49					255.49
828	No.....	374.72					316.32
829	No.....	316.32		\$788.37			1,163.09
830	No.....	389.32					316.32
831	No.....	257.92					389.32
832	No.....	243.33					257.92
833	No.....	301.72		97.33			340.66
834	No.....	291.99				\$170.33	472.05
835	No.....	304.16					291.99
836	No.....	291.99		121.66			425.82
837	No.....	272.52					291.99
838	No.....	344.45		111.93	\$31.63		304.15
							456.38

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)

[For continuation of expenditures of these families, see page 741, *et seq.*]

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1		\$10.00		\$36.00			16	\$2.40	120	\$12.00	50	\$15.00
2		12.00		30.00			10	1.50	120	12.50		
3		12.00		28.00			25	5.00	100	12.50	20	5.00
4		16.00		35.00		\$6.00	30	5.40	140	14.00	10	2.50
5		12.00		38.00			20	4.00	160	16.00	50	15.00
6		20.00		15.00			20	4.00	100	10.00		
7		18.00		33.00			20	4.00	120	12.00	6	1.50
8		16.00		20.00			20	4.00	170	17.00	3	.75
9		18.00		36.00			30	4.50	160	16.00	60	15.00
10		10.00		32.00			35	7.00	160	16.00	6	1.50
11		14.00		10.00		20.00	35	5.25	100	10.00	10	2.50
12		18.00		30.37			25	5.00	120	12.00		
13		45.00		11.80		16.00	15	3.00	120	12.00	4	1.00
14		20.00		47.50			15	2.25	70	7.00		
15		20.00		19.50			30	4.50	190	19.00	10	2.25
16		25.00		5.00			30	6.00	130	13.00	4	1.00
17		30.00		30.25			30	6.00	200	20.00	75	18.75
18		25.00		25.50		5.00	20	3.00	180	18.00		
19		24.00		42.00					190	19.00		
20		20.00		13.75		25.00	20	2.40	190	19.00	20	5.00
21		30.00		6.00		10.00	30	6.00	150	15.00	15	3.75
22		20.00		25.50			25	5.00	150	15.00	25	6.25
23		30.00		5.00			20	4.00	75	7.50	10	2.25
24		30.00		31.00		15.00	20	4.00	160	16.00	25	6.25
25		25.00		22.00		6.00	30	6.00	160	16.00	30	7.50
26		40.00		12.00		18.60	20	4.00	190	19.00	12	4.00
27		20.00		18.00		10.00	20	4.00	170	17.00	70	17.50
28		36.00		14.50		25.00	25	5.00	190	19.00		
29		30.00		30.50			35	6.30		10.00	50	12.50
30		20.00		32.00				4.00		12.00		10.00
31		36.00		15.50		4.00	50	9.00	125	12.50	50	12.50
32		25.00		20.00			25	5.00	180	22.50	50	12.50
33		20.00		20.00		5.00	30	6.00	120	12.00	40	10.00
34		30.00		16.00		12.00	25	5.00	120	12.50	10	2.50
35		25.00		9.75		18.00	15	3.00	200	20.00	12	3.00
36		20.00		14.00		20.00	20	4.00	100	10.00	18	4.50
37		25.00		21.25			20	4.00	120	12.00	10	2.50
38		20.00		12.00		10.00	20	4.00	120	12.00	4	1.00
39		48.00		15.00		20.00	40	8.00	130	13.00	25	6.25
40		25.00		15.00		15.00	30	6.00	160	16.00	35	8.75
41		60.00		31.00		20.00			190	19.00	20	5.00
42		20.00		19.25			40	8.00	160	16.00	50	12.50
43		40.00		20.00		20.00	30	6.00	200	20.00	20	5.00
44		36.00		20.00		8.00	12	1.60	125	12.50	10	2.50
45		20.00		26.00			25	5.00	160	16.00	12	3.00
46		25.00		11.50		20.00	30	6.00	190	19.00	20	5.00
47		30.00		7.50		15.00	20	4.00	130	13.00	90	22.50
48		18.00		16.50		20.00			160	16.00	20	5.00
49		60.00		41.75			20	4.00	200	20.00	80	20.00
50		20.00		20.00		20.00	25	5.00	160	16.00	40	10.00
51		36.00		30.00			30	6.00	150	15.00	20	5.00
52		40.00		13.00		12.00	20	4.00	140	14.00	30	7.50
53		20.00		10.00		25.00	10	2.00	120	12.00	6	1.50
54		24.00		30.00			30	6.00	170	17.00	12	3.00
55		30.00		23.00			30	6.00	120	12.00	12	3.00
56		30.00		12.00		10.00	12	2.40	150	15.00	6	1.50
57		30.00		36.60					190	19.00	28	7.00
58		20.00		20.00		8.00			160	19.20	120	30.00
59		10.00		4.00		12.00	20	4.00	190	21.00	90	22.00
60		15.00		21.50		15.00	15	2.00	190	19.00	25	6.25
61		12.00		6.00		12.00	20	4.00	35	4.37	20	5.00
62		18.00		27.00				3.60		12.00		18.00
63		12.00		17.00			30	4.50	150	15.00	48	9.60
64		20.00		10.00		15.00	25	5.00	190	19.00	150	37.50
65		6.00		5.00		21.00				18.00		6.00
66		25.00		56.00		10.00	20	4.00	160	16.00	25	6.25
67		18.00		25.00					100	12.00	70	17.50
68		30.00		28.00		20.00	30	5.00	200	18.00		
69		20.00		10.00		6.00	35	7.00	120	12.00	50	12.50
70		25.00		16.00			30	6.00	100	12.00	150	37.50
71		25.00		35.00		10.00	40	8.00	150	15.00	250	62.50
72		12.00		35.75			36	7.20	120	12.00	12	3.00
73		20.00		15.00		12.00	25	5.00	100	10.00	20	5.00
74		12.00		6.00		20.00	30	6.00	90	9.00	20	5.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (I.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
75	.....	\$10.00	.....	\$20.00	.....	\$10.00	40	\$8.00	100	\$10.00	10	\$2.50
76	.....	20.00	.....	10.00	.....	6.00	30	6.00	100	10.00	10	2.50
77	.....	6.00	.....	21.00	.....	20.00	40	8.00	100	10.00	20	5.00
78	.....	20.00	.....	.....	.....	35.00	30	6.00	100	10.00	.....	.....
79	.....	20.00	.....	38.00	.....	.....	30	6.00	100	10.00	.....	.....
80	.....	25.00	.....	15.00	.....	20.00	50	9.00	100	10.00	25	6.25
81	.....	16.00	.....	10.00	.....	15.00	20	4.00	90	9.00	6	1.50
82	.....	6.00	.....	28.00	.....	.....	30	6.00	100	10.00	20	5.00
83	.....	10.00	.....	20.00	.....	10.00	10	1.50	86	10.95	.....	.....
84	.....	10.00	.....	12.00	.....	6.00	20	4.00	100	15.50	12	4.00
85	.....	16.00	.....	20.00	.....	.....	15	2.25	100	12.50	4	1.00
86	.....	18.00	.....	10.00	.....	20.00	.....	.....	100	12.50	12	3.00
87	.....	6.00	.....	24.00	.....	20.00	40	8.00	140	17.50	12	3.00
88	.....	12.00	.....	31.00	.....	.....	40	8.00	190	23.75	16	4.00
89	.....	20.00	.....	12.50	.....	10.00	25	5.00	100	12.50	3	.75
90	.....	18.00	.....	31.00	.....	6.00	25	5.00	150	15.50	6	1.80
91	.....	12.00	.....	8.00	.....	25.00	20	4.00	200	25.00	20	5.00
92	.....	16.00	.....	10.00	.....	6.00	20	4.00	100	12.50	6	1.50
93	.....	20.00	.....	10.00	.....	20.00	30	6.00	180	22.50	25	6.25
94	.....	25.00	.....	16.00	.....	.....	10	1.50	100	12.50	6	1.80
95	.....	14.00	.....	29.65	.....	.....	30	6.00	120	15.00	4	1.00
96	.....	15.00	.....	10.00	.....	25.00	35	7.00	140	14.00	24	7.20
97	.....	30.00	.....	10.00	.....	18.00	40	8.00	125	12.50	30	9.00
98	.....	30.00	.....	23.00	.....	.....	20	3.60	90	11.25	6	1.50
99	.....	6.00	.....	43.00	.....	.....	30	4.50	160	16.00	4	1.00
100	.....	20.00	.....	41.00	.....	.....	30	6.00	120	12.00	.....	.....
101	.....	20.00	.....	15.00	.....	25.00	30	6.00	150	15.00	4	1.20
102	.....	20.00	.....	6.00	.....	28.00	30	6.00	130	13.00	10	3.00
103	.....	20.00	.....	5.00	.....	6.00	25	5.00	150	19.50	20	6.00
104	.....	10.00	.....	15.00	.....	10.00	12	1.80	60	7.50	6	1.50
105	.....	24.00	.....	15.00	.....	6.00	40	8.00	150	18.75	50	12.50
106	.....	12.00	.....	6.00	.....	12.00	.....	.....	25	3.13	4	1.00
107	.....	18.00	.....	25.00	.....	6.00	30	6.00	100	12.50	50	12.50
108	.....	12.00	.....	38.00	.....	6.00	40	8.00	100	12.50	70	17.50
109	.....	20.00	.....	30.00	.....	.....	15	2.25	140	14.00	30	7.50
110	.....	10.00	.....	42.00	.....	.....	20	4.00	125	12.50	6	1.50
111	.....	26.00	.....	48.00	12	1.00	60	12.00	125	15.62	90	36.00
112	.....	20.00	.....	8.00	.....	15.00	30	6.00	160	20.00	10	2.50
113	.....	16.00	.....	20.00	.....	20.00	40	8.00	150	18.75	60	15.00
114	.....	20.00	.....	36.00	.....	.....	40	6.00	200	20.00	18	4.50
115	.....	18.00	.....	15.00	.....	20.00	20	4.00	150	18.75	10	3.00
116	.....	20.00	.....	19.00	.....	15.00	60	12.00	100	12.50	60	18.00
117	.....	16.00	.....	26.00	.....	.....	20	4.00	100	10.00	.....	.....
118	.....	18.00	.....	40.00	.....	6.00	30	6.00	120	12.00	10	2.50
119	.....	15.00	.....	33.00	.....	6.00	30	6.00	120	15.00	50	15.00
120	.....	15.00	.....	33.00	.....	.....	36	5.40	100	10.00	10	2.50
121	.....	12.00	.....	9.87	.....	20.00	40	8.00	120	15.00	15	3.75
122	.....	20.00	.....	10.50	.....	6.00	40	8.00	160	20.00	40	10.00
123	.....	15.00	.....	35.00	.....	12.00	20	3.00	100	10.00	10	3.00
124	.....	10.00	.....	26.00	.....	.....	60	7.50	.....	.....	.....	.....
125	.....	15.00	.....	20.00	.....	18.00	40	8.00	160	16.00	20	5.00
126	.....	30.00	.....	57.50	.....	.....	50	10.00	100	12.50	40	10.00
127	.....	18.00	.....	32.00	.....	.....	25	5.00	120	12.00	20	5.00
128	.....	.....	.....	40.00	.....	18.00	15	3.00	100	10.00	3	.75
129	.....	18.00	.....	48.00	.....	24.00	30	6.00	150	15.00	.....	.....
130	.....	12.00	.....	12.00	.....	24.00	40	8.00	100	10.00	24	6.00
131	.....	20.00	.....	14.00	.....	12.00	.....	.....	200	20.00	24	6.00
132	.....	9.00	.....	16.50	.....	.....	60	12.00	60	6.00	15	4.50
133	.....	18.00	.....	20.00	.....	25.00	30	4.50	140	14.00	70	21.00
134	.....	50.00	.....	30.00	.....	15.00	.....	.....	180	20.00	160	40.00
135	.....	16.00	.....	9.00	.....	6.00	40	8.00	45	5.63	40	10.00
136	.....	14.00	.....	26.00	.....	.....	.....	.....	50	6.25	.....	.....
137	.....	20.00	.....	6.00	.....	15.00	30	6.00	60	7.50	50	15.00
138	.....	30.00	.....	10.00	.....	15.00	.....	.....	70	8.75	50	12.50
139	.....	20.00	.....	18.00	.....	.....	20	4.00	80	10.00	25	6.25
140	.....	18.00	.....	20.00	.....	.....	10	1.50	150	15.00	10	2.50
141	.....	20.00	.....	12.00	.....	6.00	30	6.00	90	11.25	40	10.00
142	.....	20.00	.....	15.00	.....	12.00	30	6.00	40	4.00	30	7.50
143	.....	30.00	.....	27.50	.....	.....	6	.90	190	19.00	30	7.50
144	.....	6.00	.....	6.00	.....	30.00	.....	.....	100	10.00	12	2.50
145	.....	6.00	.....	14.00	.....	30.00	20	3.00	125	12.50	.....	.....
146	.....	10.00	.....	11.00	.....	25.00	20	3.00	175	17.00	60	12.00
147	.....	.....	.....	5.00	.....	30.00	.....	.....	90	9.00	12	2.40
148	.....	6.00	.....	24.00	.....	30.00	22	4.80	200	20.00	50	10.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
149				\$40.00		\$4.00	10	\$1.50	70	\$7.00	24	\$4.80
150		\$12.00		6.00		34.00			60	6.00		
151		12.00		37.50			22	4.40	150	15.00	12	3.00
152		7.00		15.00		25.00	10	1.50			60	12.00
153		10.00		25.00			20	3.00	160	16.00		
154		4.00		10.00		30.00	12	2.40	80	8.00	40	8.00
155		6.00		12.00		25.00	20	3.00	150	15.00	80	16.00
156		5.00		10.00		16.00	10	1.50	70	7.00	3	.75
157				30.00		24.00			20	2.00	12	2.40
158		6.00		32.00			16	2.40	100	10.00	50	10.00
159		8.00		22.00		32.00	20	3.00	100	10.00	50	10.00
160		12.00		12.00		44.00	10	1.50	50	5.00	3	.75
161		12.00		58.00					160	16.00	20	5.00
162		2.00		10.00		16.00			20	2.00		
163		8.00		5.00		31.00			40	4.00		
164		6.00		22.00		2.00			6	.60	20	5.00
165		10.00		6.00		28.00			150	15.00	12	3.00
166		5.00		6.00		30.00			150	15.00	50	10.00
167		12.00		33.00		6.00	20	4.00	200	20.00	25	5.00
168		14.00		16.00		25.00	20	4.00	180	18.00	40	10.00
169												
170												
171						72.00	52	7.80		12.00	104	22.00
172						60.00				8.00	100	25.00
173						85.00	60	9.00	100	8.00	156	38.00
174						78.00			52	4.16	104	26.00
175						72.00			52	4.16	24	3.60
176												
177												
178												
179												
180						125.00			156	12.48	104	26.00
181						120.00		20.00		6.00		23.55
182						129.00		5.20	104	8.32		24.00
183						220.00			300	24.00	365	91.25
184												
185												
186												
187												
188												
189												
190												
191												
192												
193												
194												
195												
196						114.00		12.00		24.00		14.40
197						60.00				5.00	104	26.00
198						139.00				12.00	156	39.00
199												
200												
201												
202												
203												
204												
205						109.50					52	12.00
206						78.00	100	15.00		5.00	48	12.00
207						104.00		10.00		24.00	104	26.00
208						60.00	25	4.00	104	8.32	104	22.00
209		60.00				30.00			50	5.00		
210		35.00				25.00			40	4.00	120	26.00
211		30.00		26.00					30	3.00	120	26.00
212		30.00		8.80		20.00			60	6.00	140	30.00
213		40.00				30.00	30	4.50	50	5.00	150	35.00
214		50.00		15.00		10.00	100	15.00	70	7.00	120	26.40
215		20.00				15.00	20	3.00	25	2.50	80	17.00
216		20.00		7.75		15.00			20	2.00		
217		25.00		8.00		20.00	60	9.00			120	26.40
218		40.00				25.00	20	3.00			50	12.00
219		60.00		42.80					30	3.00	75	16.00
220		15.00				40.00	40	6.00	40	4.00	90	20.60
221		30.00				30.00	80	11.20	30	3.00	100	22.00
222		45.00				30.00	100	18.00	30	3.00	150	33.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
223		\$40.00		\$15.00		\$30.00	60	\$9.00			175	\$42.00
224		30.00		10.00		6.00	10	1.50			65	16.25
225		25.00		5.00		15.00	60	9.00	20	\$2.50	200	46.00
226		50.00		12.00		12.00			40	4.00	90	18.00
227		200.00		28.00		100.00			300	30.00	350	80.00
228		40.00				30.00	40	6.00	30	3.00	180	39.60
229		15.00		2.00		10.00	20	2.60	30	3.00	80	16.00
230		30.00				15.00	100	16.00			200	44.00
231		35.00				25.00	70	10.50	30	3.00	240	52.80
232		30.00				15.00					100	20.00
233		48.00		30.00		12.00		7.20		7.20		48.00
234		40.00				35.00					60	12.00
235		60.00				20.00			40	4.00	240	54.00
236		30.00		25.00		5.00	40	5.60	45	4.50	150	33.00
237		30.00				10.00			60	6.00	130	26.00
238		18.00		12.00		10.00			40	10.00	90	18.00
239		60.00		20.00		30.00			40	4.00	150	34.50
240		45.00		35.00			100	16.00	40	4.00	250	55.00
241		30.00		32.00			60	9.00	40	4.90	150	36.00
242		45.00				36.00			60	6.30	240	48.00
243		50.00				25.00	30	4.50	40	4.80	200	40.00
244		40.00		6.00		20.00					100	23.00
245		40.00		12.00		20.00			35	3.50		36.00
246		60.00				40.00			40	4.00	150	33.00
247		40.00				30.00	6	.90			200	43.00
248		65.00				40.00					300	66.00
249		45.00				20.00	100	18.00	30	3.00		36.00
250		45.00				30.00	90	13.50			150	33.00
251		50.00				60.00	12	3.00			20	5.00
252		30.00		5.00		20.00					100	23.00
253		50.00				20.00	90	13.50	40	4.00	216	43.20
254		50.00				25.00			40	5.00	125	27.50
255		40.00				30.00					100	24.00
256		30.00		2.00		25.00	100	18.00	60	7.20		
257		25.00				20.00	60	9.00	20	2.50	250	57.50
258		30.00		10.00		6.00	60	9.00	40	4.00	100	24.00
259		60.00				40.00					275	54.00
260		30.00		2.80		20.00	20	3.00	20	2.00	100	22.00
261		125.00		8.00		90.00	200	36.00	70	8.70	360	79.00
262		80.00				40.00	80	12.00			200	48.00
263		45.00		7.20		50.00	100	18.00	36	3.60	170	42.50
264		20.00		12.00		15.00			40	4.00	160	40.00
265					725	87.00	60	9.00	80	8.00	156	39.00
266					700	87.50					80	17.60
267					700	84.00	45	11.25	39	3.90	104	26.00
268					988	122.50		15.00			130	28.60
269						130.00		19.24			156	31.20
270					1,275	159.37		12.00			156	34.32
271					480	60.00		18.00			192	38.40
272					1,200	150.00		13.00			312	62.40
273				75.00	320	40.00		7.50			250	50.00
274				30.00	240	30.00		7.80			156	31.20
275				60.00	240	30.00						
276					1,080	135.00		36.00			250	50.00
277					750	93.75					156	31.20
278					600	75.00		12.00			100	20.00
279					800	100.00		18.20			215	43.00
280					700	87.50					250	50.00
281					875	109.37					120	24.00
282					550	55.00		10.00			90	18.00
283					600	60.00					120	24.00
284					700	84.00	25	3.75	150	15.00	144	25.92
285					500	65.00					225	45.00
286					800	100.00						
287					830	108.00	60	12.00			52	13.00
288						120.00		4.00				5.00
289						27.00		6.00				6.00
290					1,167	140.00		10.40				15.00
291					300	30.00		6.00				12.00
292					1,000	100.00		4.00				12.00
293					1,458	175.00		9.00				
294					1,300	170.00		8.00			103	32.50
295					1,120	112.00		5.00				
296					950	95.00		4.50				7.50



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
297					750	\$93.75					75	\$16.50
298						156.00	208	\$20.80				39.00
299					650	81.25		15.00			80	17.60
300					660	80.00			40	\$4.00	100	25.00
301					383	46.00	24	3.60	25	2.50	100	25.00
302					375	45.00	24	3.60	30	3.00	100	25.00
303					541	65.00	45	6.75	25	2.50	150	37.25
304					800	120.00	25	3.75	48	4.80	127	31.75
305					500	60.00	60	9.50	75	7.50	160	40.00
306					400	48.00	45	6.75	60	6.00	104	26.00
307					608	73.00	20	3.60	50	5.00	90	22.25
308					640	96.00			25	2.50	104	26.00
309					850	106.25		16.40			200	40.00
310					600	75.00					100	20.00
311					450	45.00						
312					850	85.00		2.00			100	20.00
313					800	80.00					100	20.00
314					1,000	100.00		20.00			192	38.40
315					480	48.00		13.40			100	20.00
316					750	70.00					96	19.20
317					500	50.00					144	28.80
318					360	36.00	40	5.00			120	24.00
319					1,000	100.00		25.00			144	28.80
320				\$50.00							60	12.00
321				45.00								
322					720	72.00	152	24.00			96	19.20
323					750	75.00		15.00			110	22.00
324				36.00	133	11.97						
325					825	103.12		10.00			90	19.80
326				40.00	320	40.00		7.20				13.50
327					800	100.00					90	19.80
328					875	109.38						
329					400	50.00		27.00			75	16.50
330				50.00	240	30.00						
331					900	112.50					100	22.00
332					800	100.00		16.25			131	28.75
333					500	62.50					80	17.60
334					860	103.20		13.75			98	21.65
335					1,050	131.25		13.50			115	25.30
336				50.00	1,200	50.00		9.50			140	30.80
337					1,000	125.00		6.00			110	24.20
338					1,100	137.50	167	30.00			300	66.00
339					1,075	134.37	55	9.90			100	22.00
340					850	106.25					85	18.75
341				36.00	200	18.00					96	24.00
342					667	60.00	32	4.48	80	8.00	144	31.60
343				16.00	110	13.20		3.50			48	12.00
344					400	48.00	15	2.25	45	4.50	110	27.50
345				1,580	39.00	200	18.00				72	15.12
346					900	108.00	85	12.75	30	3.00	110	27.25
347					900	112.50		15.00			198	39.60
348					650	81.25					225	45.00
349					700	87.50		12.00			215	43.00
350					500	62.50		15.00			150	30.00
351					850	106.25		20.00			150	50.00
352					1,200	150.00	120	24.00			200	40.00
353					1,384	180.00		3.00			100	20.00
354					850	106.25	130	23.40			120	26.40
355					800	100.00		14.50			104	22.88
356					900	112.50	100	18.00			100	22.00
357					775	96.87		10.00			90	19.80
358					960	120.00	156	28.08			125	27.50
359					1,200	150.00		12.00			125	27.50
360					650	81.25						
361					1,000	125.00		7.20			150	33.00
362					900	112.50		12.00			104	22.88
363						72.00	81	8.91	104	10.40		30.00
364					750	65.70		4.80			52	13.00
365						72.00			104	10.40	156	39.00
366						117.00						22.50
367		\$48.00					100	11.00	104	10.40	156	39.00
368						12.00					22	2.75
369						107.28	82	8.78		13.25	60	15.00
370	750	67.50		18.00				6.00		3.00	104	26.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
371					1,095	\$98.55	81	\$8.10	104	\$9.36	156	\$39.00
372						06.00	114	10.83	156	15.60		8.50
373						96.00			120	14.40	156	39.00
374						48.00					104	26.00
375						24.00				8.00		20.80
376						20.00						
377						35.00	120	13.50	156	15.60	156	39.00
378						84.00					104	26.00
379	\$40.00		\$21.00								52	13.00
380						60.00					104	26.00
381						60.00					104	26.00
382						48.00			78	9.36	104	26.00
383									52	5.20	52	13.00
384					620	69.60	55	6.60	52	5.20	50	15.00
385					525	51.20	55	6.60	50	5.00	48	14.40
386					720	81.20	50	6.00	38	3.80	60	15.00
387					515	56.60	40	4.80	38	3.80	36	9.00
388					425	47.00	36	4.32	30	3.00	38	11.40
389					695	78.60	60	7.20	52	5.20	39	11.70
390					950	106.00	52	6.24	60	6.00	50	15.00
391					430	46.40	48	5.76	35	3.50	40	12.00
392					529	58.52	48	5.76	35	3.50	40	12.00
393					543	60.44	50	6.00	56	5.60	56	16.80
394					561	63.48	40	4.80	47	4.70	60	18.00
395					488	54.16	50	6.00	36	3.60	56	16.80
396			30.00			120.00	150	22.50	75	9.00	300	60.00
397			200	26.00		30.00	3	.75	100	12.00	200	40.00
398			125	15.00		36.00	7	1.05	50	6.00	200	40.00
399			100	14.00		60.00	60	9.60	75	9.00	100	25.00
400			200	33.00		35.00	100	16.00	150	15.00	200	44.00
401			150	35.00		12.00	5	9.00	50	5.00	100	20.00
402			200	29.00		24.00					200	38.00
403			75	14.00		6.00	6	1.20	36	3.60	250	50.00
404			100	14.00		26.00	60	9.60	20	2.00	150	33.00
405			300	43.00		30.00	100	16.00	40	4.80	150	33.00
406			150	18.00		42.00	60	9.00	75	9.00	160	32.00
407			300	33.50		5.00	20	2.50	75	7.50	200	40.00
408			300	39.00		28.00	100	16.00	50	6.00	100	22.00
409			100	12.00		72.00	7	1.05	100	12.00	200	40.00
410			250	30.00		15.00	150	22.50	75	7.50	150	30.00
411			160	21.40		12.00		6.00	36	4.32	200	40.00
412			200	26.00		52.00	125	20.00	100	10.00	200	44.00
413			200	26.00		48.00	100	16.00	50	5.00	200	40.00
414			200	36.50		46.00	60	9.60	90	9.00	200	40.00
415					400	60.00					130	38.00
416			100	12.00		60.00		4.00	75	7.50	200	40.00
417			100	12.00		75.00	50	7.50			200	40.00
418			100	12.00		65.00	100	15.00	20	2.40	100	22.00
419			700	80.50		36.00	50	8.50	50	5.00	250	50.00
420				19.00		60.00	30	5.40		1.00	160	32.00
421			200	20.00		15.00	50	7.50	10	1.00	100	20.00
422			200	24.00		13.00	60	9.00	96	9.60	140	28.00
423				15.00		60.00	80	4.50	100	11.00	150	30.00
424					008	69.16	28	3.36	42	4.20	51	15.30
425					574	65.06	38	4.56	51	5.10	62	18.00
426					628	70.84	28	3.36	50	5.00	35	10.50
427					680	77.60	26	3.12	41	4.10	47	14.10
428					561	62.12	24	2.88	38	3.80	36	10.80
429					632	71.80	40	4.80	48	4.80	48	14.40
430					530	59.00	18	2.16	48	4.80	40	12.00
431					582	65.84	32	3.84	40	4.00	40	12.00
432					550	63.40	36	4.32	93	9.30	51	15.30
433					500	57.20	25	3.00	36	3.60	48	14.40
434					591	66.52	38	4.56	36	3.60	41	12.30
435					476	53.48	35	4.20	40	4.00	50	15.00
436					802	91.40	46	5.52	61	6.10	71	21.30
437					638	71.76	28	3.36	39	3.90	50	15.00
438			130	19.50		52.00	50	8.50	120	14.40	150	37.50
439			300	42.00		20.00	70	11.90	60	6.00	120	27.00
440			200	26.00		30.00	20	3.40	75	7.50	80	16.00
441			75	9.50		48.00	50	7.50	50	5.50	150	30.00
442						65.00			100	12.00		
443			200	30.00		15.00	12	1.80	30	3.00	100	20.00
444			350	42.00		24.00	100	15.00			200	42.00
445			100	17.00		25.00			100	12.00	200	40.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
445				\$5.00		\$27.00	150	\$24.00			300	\$60.00
446			150	24.50		40.00	30	4.80			150	30.00
447			60	8.40		50.00	100	12.00			150	30.00
448			100	13.00		26.00		2.00	100	10.00	150	30.00
449			250	42.50		40.00	60	9.00	40	4.00	150	33.00
450			250	37.50		1.00		2.70	36	3.60	52	13.00
451			300	41.00		25.00	12	1.80	30	3.00	150	33.00
452			300	39.00		65.00		12.00			200	40.00
453			150	19.50		30.00	60	9.00	50	5.00	150	30.00
454			30	9.20		52.00						
455			300	36.00		24.00	60	9.00	50	5.50	150	30.00
456			150	18.00		35.00	10	2.00	50	5.50	150	30.00
457			100	14.00		40.00			100	10.00		
458			200	26.00		26.00	40	6.00	60	6.00	150	33.00
459			150	18.00		26.00	40	6.00	60	6.00	100	22.00
460			50	7.00		75.00	150	25.50	75	7.50	60	12.00
461			50	7.00		75.00	50	8.00	75	8.25	125	27.50
462			75	9.00		50.00		4.00	60	6.00	52	10.40
463				17.00		30.00	100	15.00	50	5.00	90	22.50
464			100	12.00		100.00	40	6.00	36	3.60	150	33.00
465			200	24.00		60.00		10.50	150	16.50		
466			150	18.00		60.00		6.20	60	6.60	150	30.00
467			300	39.00		125.00	60	9.60	75	9.00	360	79.20
468				22.00		8.00	60	9.00	50	5.00	100	22.00
469			150	23.00		36.00			100	12.00	80	16.00
470			200	24.00		10.00	60	9.00	75	7.50	100	22.00
471			250	35.00		1.50	25	4.00	60	6.00	125	27.50
472			100	16.00		75.00	60	9.60	60	6.00	160	35.20
473			300	36.00		13.00	40	6.00	100	10.00	100	20.00
474			200	24.00		26.00	50	7.50	65	6.50	100	22.00
475			500	64.00		75.00	100	15.00	120	12.00	160	32.00
476			120	12.00		13.00		3.00	50	6.00	200	40.00
477			200	24.00		32.00	100	16.00	40	4.80	150	33.00
478			360	50.40		96.00	30	4.80	130	13.00	175	38.50
479			100	13.00		40.00						
480			100	19.00		10.00			100	10.00	60	15.00
481			14	1.96		36.00		3.60	150	12.00	100	20.00
482						35.00	30	4.80	60	6.00	100	22.00
483			200	26.00		26.00	50	9.00	100	12.00	175	35.00
484			75	10.50		36.00	60	11.10	100	12.00	200	44.00
485				10.00		5.00					16	4.00
486			50	7.00		30.00	50	8.00	25	3.00	150	33.00
487			250	43.20		60.00	300	45.00	100	10.00	400	88.00
488			60	7.20		12.00		4.60	50	6.00	150	33.00
489						75.00		8.40	100	12.00	200	44.00
490			60	7.20		34.00	10	5.60	100	12.00	175	35.00
491			200	26.00		30.00		2.00			120	24.00
492			600	82.00		60.00			20	2.00	100	20.00
493			300	36.00		24.00					150	30.00
494			100	14.00		26.00			36	3.60	200	40.00
495			50	10.50		40.00			20	2.40	100	22.00
496			300	30.00		36.00	60	12.60	100	12.00	200	40.00
497			50	7.00		12.00	25	4.00	30	3.00	50	11.00
498			60	8.40		13.00	60	9.60	75	9.00	250	50.00
499			200	20.00		50.00			100	12.00	250	50.00
500				29.50		50.00	60	9.00			200	40.00
501			300	30.00		40.00	50	7.50	130	13.00	250	37.50
502			60	6.00		34.00	5	1.00	30	3.00	200	40.00
503				32.50		30.00	40	6.00	75	7.50	150	30.00
504				44.00		120.00	100	16.00	100	12.00	200	40.00
505				62.00		75.00					500	100.00
506			200	24.00		50.00	30	5.40	50	4.50	150	30.00
507				9.00		36.00	20	3.20	50	5.00	100	20.00
508			150	18.00		13.00	10	2.00	40	4.00	50	10.00
509			200	24.00		24.00		3.20	100	12.00	200	40.00
510			40	5.60		50.00	40	6.40	40	4.80	60	12.00
511				17.00		48.00			60	7.20		
512				20.00		30.00					150	30.00
513			200	28.00		34.00	5	1.00	100	12.00	100	20.00
514						12.00	12	2.40	30	3.60	150	30.00
515				27.00		30.00	50	8.00	60	7.20	100	20.00
516				33.00		24.00	100	16.00				
517				12.00		4.00	50	8.00			125	25.00
518			100	12.00		40.00			100	12.00	150	30.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
519				\$40.50		\$30.00	100	\$16.00	60	\$6.00	200	\$40.00
520						55.00	60	9.60	30	3.60	125	25.00
521				12.00		40.00		3.00	100	12.00	200	40.60
522				21.00		24.00	40	6.40	30	3.60	200	40.00
523				47.50		36.00	100	16.00			400	80.00
524			15	1.80		26.00	50	7.50	30	3.00	75	15.00
525				2.00		26.00	20	3.00	36	3.60	200	36.00
526				5.00		26.00		8.20	60	6.00	100	20.00
527				27.00		24.00	100	16.00	60	7.20	30	7.50
528				24.00		24.00	20	3.20	40	4.80		
529				11.00		13.00	25	4.00	50	5.00	75	15.00
530			125	15.00		20.00	6	1.20	25	2.50	60	12.00
531			150	21.00		30.00	40	6.40	75	7.50	100	20.00
532			60	8.40		36.00	50	8.00	15	1.50	104	20.80
533				19.50		30.00	50	8.00	25	2.50		
534				22.00		3.00					100	20.00
535			200	24.00		40.00	50	8.00	36	3.60	150	30.00
536			200	26.00		36.00	30	4.80	60	6.00	200	40.00
537				46.00		1.00	50	8.00	36	3.60	200	40.00
538				41.00		24.00	50	8.00	60	6.00	250	50.00
539				20.00		27.00	10	1.30			100	18.00
540			100	14.00		48.00	50	8.00	36	4.32	250	50.00
541				45.00		5.00	100	16.00	100	12.00	200	40.00
542				12.00		24.00	100	16.00	30	3.60	100	20.00
543			200	26.00		15.00	30	4.80	50	6.00	150	30.00
544				28.00		36.00	100	16.00	60	7.20	250	55.00
545				28.00		13.00	50	8.00	100	10.00	150	30.00
546				14.00		36.00			75	7.50		
547			125	17.50		12.00		4.80	30	3.60	104	20.80
548			200	28.00		150.00		21.00	100	12.00	350	70.00
549			500	70.00		20.00	100	16.00	60	6.00	250	50.00
550				25.00		50.00	200	32.00			200	40.00
551				18.00		24.00	40	6.40	50	6.00	150	30.00
552				25.00		80.00	50	8.00	36	4.32	250	50.00
553			200	20.00		24.00			60	6.00	250	50.00
554				24.00		42.00	40	6.40	120	12.00	300	60.00
555				61.00		48.00	50	8.00	60	6.00	200	40.00
556			20	2.40		13.00		4.00	32	3.20	100	20.00
557				8.30		6.00			15	1.20	5	1.00
558						36.00	50	8.00	130	13.00		
559			50	7.00		48.00	40	6.40	60	6.00	150	30.00
560			400	48.00		72.00	50	9.00	100	12.00	300	60.00
561			250	30.00		60.00	100	16.00	100	12.00	350	70.00
562				16.50		72.00	40	6.40			200	40.00
563				72.00		30.00			50	5.00	50	14.00
564					555	60.20	48	5.76	52	5.20	46	13.80
565				17.00		30.00	30	4.50			100	20.00
566						66.00	100	16.00	100	10.00	200	40.00
567						54.00	80	14.60	100	10.00	200	50.00
568			150	18.00		52.00	60	9.00	100	10.00	100	20.00
569				8.50		60.00	100	15.00		.50	20	5.00
570			20	2.40		60.00	80	12.00	35	3.50	200	40.00
571			40	4.80		130.00	100	15.00			300	60.00
572					491	55.80	24	2.88	36	3.60	50	15.00
573			100	14.00		20.00	50	8.50	40	4.80	60	15.00
574						65.00	30	4.50	75	9.00	100	25.00
575				29.00		20.00	100	1.60				
576						24.00						
577				20.20		52.00	100	15.00			150	33.00
578			300	36.00		26.00		2.50	60	6.00	200	44.00
579				43.00		13.00		1.00	40	4.00	104	20.80
580			100	13.00		24.00	40	6.40	75	7.50	200	40.00
581				18.00		50.00	100	16.00			60	15.00
582			150	18.00		26.00	100	16.00	60	6.00	150	30.00
583				16.00		26.00	60	9.60			100	20.00
584				52.00		10.00	30	4.80	60	7.20	75	18.75
585						144.00			156	15.60	260	65.00
586						120.00	72	8.62			104	26.00
587					400	60.00						
588					410	61.00						
589					700	105.00						
590					360	52.50						
591					70	10.50					52	14.75
592					750	125.00						

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
593					450	\$67.50					52	\$14.00
594				\$41.00		20.00						
595				26.00		6.00	12	\$1.44	70	\$7.00	52	7.80
596			200	24.00		18.00			50	5.00	40	8.00
597			100	14.00		52.00	50	7.50	50	6.00	150	3.00
598				17.00		32.00			60	6.00		
599				53.00		30.00					100	20.00
600						120.00			52	6.24		
601						48.00					104	26.00
602						130.00				11.40		36.00
603						127.60	63	5.67	52	5.20	156	39.00
604					476	53.28	52	6.24	40	4.00	50	15.00
605					506	57.12	40	4.80	35	3.50	38	14.40
606					485	53.40	36	4.32	36	3.60	40	12.00
607					551	61.12	40	4.80	39	3.90	35	10.50
608					520	57.20	40	4.80	38	3.80	36	10.80
609					480	53.60	38	4.56	36	3.60	56	14.00
610					622	69.72	48	5.76	41	4.10	62	18.60
611				24.00		26.00	100	20.00	30	3.60	100	22.00
612				5.00		60.00	8	2.00	60	6.00		
613			400	48.00		75.00	60	10.20				
614			500	60.00		75.00	100	15.00	30	3.60	300	60.00
615			100	13.00		100.00	100	15.00	50	5.00	150	30.00
616			350	42.00		52.00	70	10.50	75	7.50	100	20.00
617			250	32.50		75.00	60	9.00	60	6.60	300	60.00
618			600	78.00		90.00	110	16.50	150	18.00	300	60.00
619			300	36.00		60.00	100	15.00	130	15.60	160	32.00
620				18.00		25.00	50	7.50	30	3.00	100	22.00
621				9.80		35.00	40	6.00	45	4.95	30	6.00
622			150	21.00		36.00	60	9.60	60	7.20	52	11.44
623			150	18.00		52.00	60	9.00	50	5.50	100	20.00
624					583	66.64	36	4.32	35	3.50	48	14.40
625					500	56.40	30	3.60	35	3.50	45	13.50
626			350	45.50		28.80	40	7.20			26	5.20
627			400	58.00		200.00	200	32.00	200	22.00	226	56.50
628				16.00		52.00	60	10.20				
629			200	29.00		13.00	35	5.60	60	6.00	60	15.00
630			250	30.00		12.00	20	3.40	70	8.40	100	25.00
631			100	10.00		36.40	50	8.50	50	6.00	100	25.00
632			200	28.00		75.00	60	9.60	40	4.80	20	5.00
633			200	26.00		28.00			40	4.80	100	25.00
634			300	39.00		65.00	100	16.00			300	00.00
635			150	21.00		52.00	60	9.00	75	7.50	200	40.00
636				41.00		100.00	10	1.60			80	20.00
637						150.00	60	9.00	30	3.60	120	26.40
638			100	12.00		52.00	70	10.50	50	5.00	75	16.50
639				17.00		100.00	6	1.20	30	3.30	150	33.00
640			60	8.40		52.00	60	9.00	50	5.00	100	22.00
641			200	26.00		26.00	50	7.50	65	6.50	160	35.20
642			300	39.00		39.00	100	15.00			90	19.80
643			75	9.00		62.00			60	6.00	150	37.50
644			100	14.00		42.00	50	8.00	100	11.00	50	11.00
645			200	35.00		100.00	30	4.50	50	5.00	120	30.00
646			400	48.00		40.00		0.00	60	6.60		
647				13.40		108.00			130	13.00	42	10.50
648				19.00		36.00			40	4.00	200	40.00
649				5.00		48.00	100	16.00				
650			250	42.00		30.00	60	9.60	20	2.40	150	33.00
651			200	24.00		40.00	60	0.60	30	3.00	100	20.00
652			100	12.00		70.00	30	7.80	50	5.00	125	25.00
653			250	25.00		40.00	6	1.50	100	10.00	40	10.00
654			300	36.00		*75.00	50	8.00	150	18.00		
655			400	52.00		75.00	100	18.00	75	9.00	150	30.00
656				38.00		40.00	60	9.60	60	6.60	100	22.00
657			60	7.20		75.00	40	6.40				
658			200	29.00		24.00						
659			200	32.50		12.00	30	4.80	10	1.20	200	40.00
660				28.50		50.00	100	16.00	75	9.00	200	40.00
661				61.00		25.00	40	6.40	15	1.50	150	30.00
662				16.50		40.00					30	7.50
663				29.50		100.00	100	16.00			60	15.00
664				43.00		60.00	50	8.00	60	7.20	200	40.00
665				32.50		50.00	100	16.00	20	2.40	200	40.00
666				56.00		100.00	100	16.00	100	12.00	300	60.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
667				\$5.00		\$60.00		\$1.00				
668				41.00		36.00	100	16.00	80	\$8.00	80	\$20.00
669				28.50		120.00			150	18.00	300	60.00
670				30.00		18.00		7.50	10	1.20	150	30.00
671					450	50.00	42	5.04	40	4.00	30	6.00
672					715	81.80	45	5.40	42	4.20	55	16.50
673					478	51.92	31	2.72	31	3.10	42	12.60
674				3.60		50.00	30	4.80	50	6.00	120	24.00
675				70.00		50.00	50	8.50	130	13.00	200	44.00
676												
677												
678												
679												
680												
681												
682												
683												
684												
685												
686												
687												
688												
689												
690												
691												
692												
693												
694												
695												
696												
697												
698		\$6.00		4.00					70	8.75	40	8.00
699		10.00		4.00		35.00			120	12.00	30	6.00
700				22.00		18.00	12	1.80	60	7.50	30	6.00
701		10.00		6.00		12.00	10	1.50	150	15.00		
702		12.00		43.00		5.00			100	10.00	14	2.80
703		12.00		8.00		20.00	15	3.00	100	10.00	6	1.25
704		12.00		8.00		25.00	10		40	4.00	18	3.60
705		16.00		43.00		12.00	10	2.00	10	1.00	30	6.00
706		12.00		37.00			20	3.00	125	12.00	10	1.00
707												
708												
709												
710												
711												
712												
713												
714												
715		15.00		35.00		7.00	12	1.80	100	12.50	25	5.00
716		18.00		18.00		24.00			190	23.00	20	5.00
717		6.00		31.00			30	4.50	120	12.50	25	5.50
718		18.00		22.00		6.00	20	4.00	160	20.00	75	15.00
719		6.00		15.00					40	4.00	6	1.25
720		15.00		49.00					100	12.50	70	14.00
721		9.00		27.00					100	12.50	40	8.00
722		25.00		10.00		6.00			120	15.00	30	6.00
723		15.00		9.00		10.00	15	2.00	120	15.00	60	12.00
724		6.00		3.00		23.00			100	12.50	60	12.00
725		40.00		15.00		12.00	40	8.00	200	20.00	200	42.00
726		15.00		9.00		25.00			180	18.00	200	40.00
727			600	60.00		18.00	20	3.00		18.00	40	10.00
728			150	15.00			100	15.00	180	18.00	100	25.00
729			250	25.00		13.00	20	3.00		6.50	8	2.00
730						6.50						
731			500	50.00		20.00	24	3.60	130	13.00	12	3.00
732			200	20.00		13.00	24	3.60	130	13.00	8	2.00
733			325	35.75		36.00	30	4.50	130	13.00		
734			300	30.00		20.00	12	2.40	120	12.00	8	2.00
735			500	45.00		20.00	24	3.60	120	12.00	40	10.00
736			250	25.00		26.00	12	1.80	104	10.40	52	13.00
737			200	20.00		13.00	15	2.25	65	6.50	26	6.50
738			700	70.00		26.00	30	4.50	260	26.00	52	13.00
739			550	40.50		9.00	50	7.50	104	10.40	24	6.00
740			325	23.25		6.00	6	.90	75	6.75	10	2.30
741			300	27.00		26.00			80	6.40	36	9.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
742			300	\$27.00		\$13.00	20	\$3.00	130	\$13.00	40	\$10.00
743			325	29.25		13.00	20	3.00	150	15.00	60	15.00
744			225	22.50		13.00	10	2.00	65	6.50	16	4.00
745			200	20.00		10.00	40	6.00	65	6.50	16	4.00
746			360	32.40		19.50	24	3.60	180	18.00		
747			200	20.00		6.00	20	3.00	65	6.50	16	4.00
748			500	50.00		10.00	20	3.00	130	13.00	20	5.00
749			400	40.00		20.00	40	6.00	130	13.00	60	15.00
750				24.00		24.00		10.00		12.00		18.00
751			310	22.50		20.00	30	4.50	100	10.00		
752			264	39.60		24.00	50	7.50		7.50	100	25.00
753						13.00	40	6.00				
754					585	61.60	76	11.40	70	7.00	96	25.22
755					618	74.00	35	5.25	70	7.00	96	24.00
756					834	100.00	25	3.75	70	7.00	95	23.75
757					517	62.00	20	3.00	73	7.30	120	36.00
758					600	72.00	100	15.00	156	15.60		
759					760	76.00	35	5.35	73	7.30	112	33.60
760					660	67.00			100	10.00	108	32.40
761					570	57.00	40	6.00			100	25.00
762					1,200	102.00	30	4.50	65	6.50	112	33.60
763						30.11		3.86			229	50.18
764						49.41	26	5.02			229	60.22
765						25.48					106	27.79
766						17.37					88	16.98
767						25.09		2.32			106	27.79
768						49.41		4.44			106	27.79
769					114	15.05					229	44.16
770						55.58		6.95			220	42.46
771						25.09	52	11.04				46.32
772						30.11	26	5.02			229	50.95
773						35.13	52	10.04			172	33.12
774				12.65		37.96		7.30			80	19.47
775				8.44		37.96		7.30			100	24.33
776				12.65		44.29		7.30				
777			104	16.79		63.26					156	37.96
778				25.31		31.63		9.73			104	25.31
779				12.65		50.61					104	25.30
780			120	19.47		37.96					75	18.25
781			120	19.47		63.26		9.73			104	25.31
782			104	16.79		56.94		7.30			104	25.31
783				12.65		50.61		8.52			150	36.50
784				12.65		31.63		7.30			75	18.25
785				18.98		37.96					80	19.47
786				16.87		50.61		7.30			80	19.47
787				18.98		44.29					104	25.31
788			100	16.06		50.61		7.30			104	25.30
789			100	16.06		37.96					104	25.30
790			156	25.31		88.57					156	37.96
791						56.94					104	25.31
792						44.29					78	18.98
793						33.74					52	12.65
794						56.94						
795						37.96					130	31.63
796						63.26					130	20.36
797				18.98		75.92					156	37.96
798				16.87		50.61		4.87			100	24.33
799				12.65		37.96			26	3.16	52	12.65
800				18.98		113.88		12.65			156	37.96
801				12.65		88.57		12.65			130	31.63
802				31.63		37.96		18.98			104	25.31
803				25.31		113.88		18.98			208	50.61
804				9.49		63.27		18.98			104	25.31
805				16.87		88.57		12.65			104	25.31
806				18.98		88.57		12.65			104	25.31
807				21.09		82.24		12.65			130	31.63
808				25.31		113.88		25.31			160	38.93
809				18.98		126.53		25.31			208	50.61
810				18.98		130.18		12.65			260	63.26
811				18.98		82.24		12.65			104	25.31
812				18.98		69.59		8.43			104	25.31
813				10.54		88.57		6.33			104	25.31
814				25.31		88.57		12.65			208	50.61
815				12.65		75.92		12.65				

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Concluded.

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
816				\$16.87		\$101.22		\$12.65			104	\$25.31
817				12.65		63.26					78	18.98
818				18.98		101.22		12.65			104	25.31
819				31.63		44.29					78	18.98
820				12.65		75.92		6.33			104	25.31
821				18.98		126.53		18.98			156	37.96
822						44.29					78	18.98
823						63.26					156	37.96
824						88.57					208	50.61
825						31.63					78	18.98
826						50.61					104	21.09
827						37.96					130	26.36
828						151.83					260	63.26
829						37.96					156	31.63
830						50.61					120	29.20
831						44.29					130	26.36
832						50.61					156	31.63
833						50.61					104	25.31
834						44.29					104	25.31
835						50.61					156	31.63
836						37.96					52	12.65
837						31.63					104	25.31
838				18.98		101.22		12.65	52	\$6.33	104	25.31

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES--Continued.

## D.—EXPENDITURE FOR FOOD. (2.)

[For conclusion of expenditures of these families, see page 753, *et seq.*]

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1	3	\$1.50	50	\$12.50	150	\$15.00	6	\$2.40	10	\$10.00	\$2.00	.....	.....
2	2	1.00	96	24.00	150	15.00	5	1.50	6	6.00	4.00	.....	.....
3	.....	.....	15	4.50	150	15.00	3	1.50	4	4.00	.....	.....	.....
4	.....	.....	40	10.00	200	20.00	10	5.00	6	6.00	2.00	.....	.....
5	3	1.50	60	18.00	.....	.....	6	2.40	12	12.00	.....	\$0.60	\$4.50
6	6	3.00	12	3.60	120	12.00	6	3.00	3	3.00	3.00	.....	.....
7	.....	.....	.....	.....	150	15.00	.....	.....	3	3.00	.....	.....	6.00
8	.....	.....	60	15.00	150	15.00	10	5.00	10	10.00	3.00	.....	9.00
9	2	1.20	50	12.50	200	20.00	12	6.00	12	12.00	5.00	4.85	.....
10	6	3.00	3	.50	90	9.00	.....	.....	4	4.00	.....	.....	.....
11	.....	.....	50	12.50	150	15.00	5	2.50	4	4.00	.....	.....	6.75
12	24	14.40	12	3.60	160	16.00	6	3.00	12	7.20	.....	.....	.....
13	.....	.....	30	7.50	125	10.50	2	1.30	3	1.95	2.00	.....	.....
14	.....	.....	48	12.00	95	9.50	6	3.00	5	3.00	.....	.....	.....
15	.....	.....	50	12.50	250	25.00	8	4.80	4	3.00	.....	.....	.....
16	3	1.90	40	12.00	200	20.00	.....	.....	4	2.00	6.00	1.50	.....
17	.....	.....	90	27.00	490	44.10	.....	.....	30	22.50	10.00	.....	.....
18	6	4.80	50	12.50	280	25.20	14	9.10	6	3.60	.....	.....	.....
19	24	12.00	2	.60	160	16.00	10	5.00	16	15.00	.....	.....	.....
20	.....	.....	12	3.00	290	29.00	10	6.00	12	12.00	.....	.....	.....
21	12	7.20	26	6.50	200	20.00	.....	.....	12	10.00	4.00	1.60	.....
22	.....	.....	48	12.00	180	18.00	2	1.20	2	2.00	.....	.....	8.60
23	.....	.....	48	12.00	150	15.00	8	5.75	6	6.00	.....	2.00	.....
24	.....	.....	50	12.50	250	25.00	4	2.40	22	18.00	.....	.....	.....
25	.....	.....	30	7.50	250	25.00	10	5.00	20	14.00	.....	.....	5.00
26	6	3.00	96	28.80	150	15.00	3	1.80	16	14.50	.....	.....	.....
27	.....	.....	75	19.75	.....	.....	.....	.....	12	7.20	6.00	.....	36.00
28	1	.65	48	12.00	190	19.00	4	2.50	22	18.00	.....	.....	.....
29	.....	.....	40	12.00	250	25.00	.....	.....	6	4.25	10.00	.....	36.00
30	.....	1.30	.....	12.00	.....	15.00	.....	.....	.....	7.20	6.00	.....	.....
31	.....	.....	40	10.00	200	12.00	6	3.90	7	3.50	6.00	.....	.....
32	12	6.00	40	12.00	375	37.00	4	2.40	15	9.75	7.00	.....	1.20
33	.....	.....	40	12.00	150	15.00	2	1.30	5	3.25	10.00	.....	.....
34	.....	.....	.....	.....	200	20.00	3	1.80	8	6.00	4.00	.....	5.00
35	.....	.....	48	12.00	180	18.00	.....	.....	20	16.00	.....	.....	2.40
36	.....	.....	48	12.00	150	15.00	.....	.....	6	4.80	3.00	.....	7.80
37	1	.60	40	10.00	150	15.00	2	1.20	6	3.00	.....	.....	.....
38	.....	.....	48	12.00	160	16.00	4	2.00	12	10.00	.....	.....	.....
39	2	1.00	48	12.00	200	20.00	6	3.00	20	15.00	.....	.....	.....
40	3	1.50	26	6.50	.....	.....	4	2.00	12	8.40	4.00	.....	.....
41	.....	.....	40	10.00	240	24.00	4	2.00	20	16.00	.....	.....	.....
42	.....	.....	50	12.50	150	15.00	3	1.80	10	10.00	.....	.....	.....
43	.....	.....	90	22.50	260	26.00	12	7.20	20	16.00	5.00	.....	.....
44	14	7.00	.....	.....	260	26.00	4	2.00	24	20.00	5.00	.....	32.00
45	.....	.....	40	10.00	150	15.00	3	1.50	14	10.00	8.00	.....	14.40
46	1	.65	40	10.00	150	15.00	4	2.00	16	14.00	.....	.....	28.80
47	.....	.....	96	24.00	290	29.00	.....	.....	16	14.00	.....	.....	5.00
48	24	12.00	12	3.60	150	15.00	.....	.....	6	5.40	.....	.....	.....
49	.....	.....	75	22.50	220	22.00	10	5.00	26	19.60	14.00	.....	.....
50	10	5.00	40	10.00	250	25.00	10	8.00	14	14.00	.....	.....	.....
51	.....	.....	50	12.50	190	19.00	6	3.60	18	16.00	.....	.....	.....
52	20	10.00	.....	.....	125	12.50	3	1.80	12	7.20	.....	.....	.....
53	12	6.00	12	3.00	110	11.00	7	3.50	14	9.00	.....	.....	.....
54	12	6.00	44	13.00	260	26.00	10	5.00	22	22.00	.....	.....	.....
55	.....	.....	30	7.50	150	15.00	3	1.80	6	4.50	.....	1.50	.....
56	.....	.....	48	12.00	200	20.00	.....	.....	20	15.00	.....	.....	.....
57	.....	.....	38	9.50	250	25.00	3	1.80	20	18.50	.....	.....	.....
58	12	9.00	45	11.25	125	10.50	.....	.....	6	4.00	.....	.....	.....
59	.....	.....	40	12.00	300	27.00	4	2.00	.....	10.00	5.00	.....	.....
60	.....	.....	14	4.20	200	20.00	6	3.00	20	10.00	.....	.....	.....
61	.....	.....	64	16.00	90	7.20	2	1.00	10	5.00	.....	.....	.....
62	.....	.....	.....	12.60	.....	21.60	.....	.....	.....	5.40	.....	.....	.....
63	.....	.....	48	12.00	230	20.70	.....	.....	6	4.20	6.00	.....	.....
64	.....	.....	30	7.50	400	36.00	4	2.00	2	1.20	12.00	.....	.....
65	.....	1.00	.....	14.00	.....	12.00	.....	2.00	.....	5.20	.....	.....	.....
66	.....	.....	90	22.50	350	31.50	4	2.00	15	11.25	.....	.....	.....
67	.....	.....	48	12.00	250	23.00	4	3.00	20	11.00	6.00	.....	20.00
68	12	9.00	60	15.00	350	28.00	6	3.00	40	22.00	6.00	.....	.....
69	.....	.....	.....	.....	180	18.00	.....	.....	14	14.00	10.00	.....	16.00
70	14	11.20	50	15.00	350	31.50	2	1.20	4	2.40	8.00	.....	.....
71	10	6.50	90	27.00	400	40.00	6	3.00	12	12.00	8.00	.....	.....
72	2	1.00	.....	.....	150	15.00	10	5.00	2	2.00	.....	.....	4.50
73	.....	.....	16	4.00	120	12.00	3	1.50	3	3.00	.....	1.50	.....
74	2	1.00	36	9.00	140	14.00	.....	.....	4	4.00	.....	2.00	.....



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
75	3	\$1.50	16	\$4.00	120	\$12.00	6	\$3.00	3	\$3.00	-----	-----	\$6.00
76	3	1.50	20	5.00	150	15.00	-----	-----	4	4.00	-----	-----	3.00
77	6	3.00	3	.75	180	18.00	5	2.50	6	6.00	-----	-----	-----
78	4	2.00	14	3.50	160	16.00	4	2.00	4	4.00	-----	-----	3.00
79	-----	-----	18	4.50	170	17.00	10	5.00	3	3.00	-----	-----	-----
80	2	1.00	30	7.50	150	15.00	16	8.00	12	12.00	-----	-----	-----
81	6	3.00	-----	-----	150	15.00	4	2.00	4	4.00	-----	-----	-----
82	3	1.50	48	12.00	150	15.00	4	2.00	4	4.00	-----	\$2.00	-----
83	1	.50	26	6.50	75	7.50	-----	-----	6	6.00	-----	-----	-----
84	-----	-----	12	3.00	150	15.00	4	2.60	1	1.00	\$4.00	-----	-----
85	2	1.00	20	6.00	190	19.00	-----	-----	3	3.00	-----	-----	10.00
86	-----	-----	40	10.00	200	20.00	-----	-----	3	3.00	-----	-----	-----
87	2	1.20	12	3.00	150	15.00	-----	-----	10	10.00	6.00	-----	-----
88	-----	-----	50	12.50	140	14.00	-----	-----	8	8.00	6.00	-----	-----
89	-----	-----	24	6.00	150	15.00	2	1.20	3	3.00	-----	-----	-----
90	3	1.50	40	12.00	240	24.00	3	1.85	14	12.00	6.00	-----	-----
91	12	7.20	12	3.00	250	25.00	6	4.20	12	16.00	4.00	-----	-----
92	6	3.00	-----	-----	160	16.00	3	1.95	-----	-----	6.00	-----	-----
93	3	1.80	12	3.00	200	18.50	-----	-----	14	12.00	-----	-----	-----
94	-----	-----	48	12.00	160	16.00	12	7.80	4	4.00	-----	-----	-----
95	-----	-----	50	12.50	160	16.00	-----	-----	3	3.00	8.00	-----	-----
96	6	3.00	12	3.00	200	20.00	3	1.95	4	4.00	-----	-----	20.00
97	12	6.00	12	3.60	160	16.00	-----	-----	15	15.00	-----	3.00	24.00
98	-----	-----	50	12.50	180	18.00	6	3.90	4	4.00	-----	-----	-----
99	-----	-----	75	18.75	125	12.25	6	3.90	2	2.00	-----	-----	-----
100	-----	-----	48	12.00	250	25.00	6	3.00	15	15.00	-----	-----	6.00
101	6	3.00	48	14.40	190	19.00	6	3.95	6	6.00	-----	-----	-----
102	12	6.00	26	6.50	160	16.00	2	1.00	-----	-----	-----	-----	12.00
103	3	1.80	90	27.00	200	20.00	-----	-----	6	6.00	6.00	-----	-----
104	6	3.00	20	5.00	80	8.00	-----	-----	6	6.00	-----	-----	-----
105	4	2.00	40	12.00	250	25.00	4	2.00	12	9.00	5.00	-----	-----
106	3	2.10	48	14.40	240	24.00	3	1.95	12	10.00	-----	-----	-----
107	-----	-----	30	9.00	190	19.00	3	1.95	4	3.50	10.00	-----	-----
108	-----	-----	50	12.50	220	22.00	8	5.10	24	20.00	-----	-----	-----
109	4	2.00	30	7.50	150	15.00	10	5.00	6	6.00	-----	-----	4.50
110	4	2.00	28	7.00	150	15.00	12	7.20	-----	-----	-----	-----	3.60
111	2	1.20	90	22.50	200	18.00	4	2.40	12	12.00	-----	-----	20.00
112	-----	-----	14	4.20	120	12.00	8	4.80	6	6.00	-----	-----	-----
113	-----	-----	42	10.50	200	20.00	3	1.80	6	6.00	-----	-----	9.00
114	-----	-----	48	12.00	200	20.00	9	5.40	8	8.00	6.00	-----	-----
115	3	1.50	26	6.50	120	12.00	3	1.80	5	5.00	-----	-----	-----
116	-----	-----	48	14.40	150	15.00	-----	-----	12	12.00	6.00	-----	-----
117	2	1.00	48	12.00	150	15.00	4	2.40	2	2.00	-----	-----	-----
118	9	4.50	-----	-----	250	25.00	10	5.00	10	10.00	-----	-----	-----
119	6	3.00	26	6.50	125	12.00	4	2.40	3	3.00	-----	-----	-----
120	6	3.00	48	12.00	300	30.00	4	2.40	5	5.00	10.00	-----	-----
121	14	7.00	3	.90	260	26.00	-----	-----	6	6.00	-----	-----	-----
122	10	5.00	2	.60	170	17.00	6	3.60	12	12.00	4.00	2.40	7.50
123	-----	-----	48	12.00	200	20.00	6	3.90	6	5.50	-----	-----	-----
124	12	7.20	-----	-----	-----	-----	14	8.40	2	2.00	-----	-----	-----
125	6	3.00	50	12.50	200	20.00	14	8.40	4	4.00	-----	-----	-----
126	7	3.50	28	7.00	150	15.00	6	3.00	6	6.00	-----	-----	-----
127	3	1.50	28	7.00	128	12.80	-----	-----	2	2.00	-----	-----	4.50
128	-----	-----	26	6.50	120	12.00	26	14.40	3	3.00	-----	-----	-----
129	-----	-----	48	12.00	150	15.00	6	3.00	3	3.00	-----	-----	-----
130	12	6.00	4	1.00	240	24.00	6	3.60	6	6.00	-----	-----	-----
131	2	1.20	80	24.00	320	32.00	6	3.00	20	20.00	4.00	-----	-----
132	-----	-----	24	7.20	120	10.80	-----	-----	6	6.00	9.00	-----	-----
133	6	3.00	90	22.50	250	25.00	2	1.00	6	5.00	-----	-----	-----
134	10	6.00	32	8.00	300	27.00	4	2.00	30	20.00	.90	9.00	-----
135	12	7.80	40	12.00	150	15.00	-----	-----	12	10.00	10.00	-----	2.00
136	20	10.00	40	12.00	250	25.00	3	1.95	12	9.00	-----	-----	-----
137	3	1.50	70	17.50	200	20.00	4	2.00	12	12.00	6.00	-----	8.00
138	3	1.50	90	22.50	190	19.00	12	7.20	12	9.75	-----	-----	-----
139	-----	-----	50	12.50	130	13.00	-----	-----	3	3.00	-----	-----	-----
140	-----	-----	50	12.50	200	16.50	2	1.00	8	5.10	2.60	-----	-----
141	6	3.00	50	12.50	250	25.00	-----	-----	10	9.00	-----	-----	-----
142	3	1.50	30	7.50	120	12.00	-----	-----	12	12.00	1.80	-----	2.00
143	20	10.00	25	6.25	300	30.00	3	1.50	3	2.25	-----	-----	16.00
144	-----	-----	40	12.00	-----	6.00	4	2.00	20	10.00	5.00	-----	16.00
145	-----	-----	75	22.50	200	18.00	-----	-----	14	8.00	5.00	-----	-----
146	-----	-----	40	12.00	300	24.00	3	1.50	12	7.20	6.00	-----	-----
147	-----	-----	50	12.50	25	2.00	-----	-----	12	6.00	3.00	-----	-----
148	-----	-----	90	27.00	200	18.00	-----	-----	40	20.00	6.00	-----	-----

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
149			36	\$10.80		\$12.00			20	\$10.00	\$3.00	\$2.00	
150			50	15.00	190	15.20	12	\$6.00	12	7.50			
151	6	\$3.00	70	24.50	250	22.50			14	8.40	8.00		
152			36	10.80	120	11.80	3	1.50	14	8.40	6.00		
153			50	15.00	120	9.60			10	6.00	12.00		
154			26	7.80	80	7.20			12	7.20	2.00		
155			38	10.40		12.00			10	6.00	5.00		
156			30	9.00	50	4.00			8	4.80	4.00		
157			30	9.00	50	4.00			2	1.00	4.00		
158			38	14.40	150	12.00			7	4.00			\$5.00
159			96	28.80	125	10.00	2	1.00	20	13.00	5.00		
160			90	27.00	160	16.00			12	6.00	4.00		
161			80	24.00		14.00	4	2.00	15	7.00			
162			90	27.00	100	8.00	3	1.50	20	12.00	4.00		
163			40	12.00	120	9.60	4	2.00	12	6.00			
164	2	1.50	50	15.00		12.00	2	1.00	6	4.00			
165			50	15.00	160	15.00	20	10.00	30	15.00			
166			40	12.00	120	10.80			6	3.60	5.00		
167			75	26.20	150	13.50			16	8.00	10.00		
168			38	11.40	200	18.00			10	6.00	12.00		
169													
170													
171						18.00			10	5.00			21.90
172						26.00			12	6.00			
173						26.00			20	10.00			12.00
174						12.00			7	3.50			9.15
175						9.00			25	12.50			6.00
176													
177													
178													
179													
180	12	6.00	52	14.56		24.00			36	18.00			18.25
181	16	6.00		26.00		18.00			24	12.00			12.00
182		12.00		6.00		18.00				6.00			18.25
183	48	16.80	36	10.08		36.00			36	18.00			
184													
185													
186													
187													
188													
189													
190													
191													
192													
193													
194													
195													
196				2.40		24.00		7.20		19.20			14.00
197						13.00							18.25
198						24.00			24	12.00			18.25
199													
200													
201													
202													
203													
204													
205						26.00			20	10.00			9.15
206	4	2.00	96	26.88		12.00			10	5.00			
207						26.00			20	10.00			18.25
208	12	6.00	52	14.56		24.00			22	11.00			18.25
209	18	9.00	36	10.80	250	23.00			30	15.00			18.00
210	25	12.50			360	28.80	10	5.00	20	10.00	2.00		16.00
211	12	6.00	36	10.80	240	18.00			16	6.40			20.00
212	16	8.00	9	2.70	300	24.00			10	5.00			
213	24	12.00	36	10.80	300	24.00					2.00		20.00
214	24	9.60	36	10.80	240	16.80			20	8.00	2.50		
215	12	6.00	24	7.20	120	8.40	2	1.00	6	2.40			7.00
216	12	6.00	12	3.60	175	12.25	1	.50	15	6.00			4.00
217	18	9.00	24	7.20	250	18.00			20	8.00			18.00
218			36	9.00	100	7.50	3	1.20	12	4.80			
219			40	10.00	300	21.00	1	.60	40	24.00			18.00
220	24	12.00	13	3.90	240	20.00	2	.70	20	10.00		3.00	6.00
221	13	6.50	40	12.00	250	20.00	2	.80	12	6.00		5.00	9.00
222	48	24.00			400	28.00			12	4.80		4.00	18.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bur- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
223	24	\$12.00	24	\$7.20	400	\$28.00			10	\$5.00			\$18.00
224	4	2.00	15	4.00	100	7.50		\$0.25	7	2.40			18.00
225	24	12.00			240	18.00	2	1.00	30	13.50			
226	48	19.20			260	20.80	2	.80	50	20.00			
227	96	48.00	96	28.80	900	65.00	3	1.50	150	60.00		\$2.00	
228	36	18.00	12	3.60	250	19.50	2	.80	35	17.50		5.00	50.00
229	8	4.00	13	3.90	150	11.25			20	10.00			20.00
230	24	12.00	36	9.00	360	25.20	3	1.50	24	9.60		2.00	6.00
231	36	18.00	24	6.00	300	21.00	4	2.00	25	10.00		6.00	18.00
232			12	3.00	190	13.30			4	3.00		2.00	18.00
233		12.00		57.50		21.50				18.00			
234			12	3.00	160	7.00			6	2.40		2.00	18.00
235	24	12.00	24	8.40	375	29.00	3	1.20	40	20.00		6.00	24.00
236	24	12.00	48	14.40	200	15.00			25	10.00			18.00
237	18	9.00	28	8.40	300	24.00	2	.90	30	12.00		4.00	
238	18	9.00	12	3.60	250	21.00			40	19.00			24.00
239	40	20.00	24	7.20	250	17.50			40	20.00		5.00	26.00
240	48	24.00	12	3.60	375	26.25	4	2.00	50	25.00		6.00	20.00
241	22	11.00	6	1.80	180	13.60			6	3.00		2.00	
242	48	24.00	12	3.00	500	35.00	16	5.00	4	2.00		4.00	26.00
243	36	18.00			300	24.00	2	1.00	36	14.40		4.00	18.00
244	12	6.00	24	7.20	190	13.30	2	1.00	20	10.00			16.00
245	18	7.20	24	6.00	400	29.00	4	2.00	35	14.00		6.00	36.00
246	40	20.00	12	3.00	160	11.20			30	12.00		5.00	36.00
247	36	18.00			300	24.00			20	10.00		3.30	12.00
248	36	14.40	36	10.80	400	28.00	6	3.00	30	13.50		3.00	36.00
249	48	28.80			300	22.00	2	1.20	13	6.50		4.00	
250	24	12.00	24	7.20	250	17.50	10	5.00	35	14.00		5.00	18.00
251	24	12.00	60	15.00	400	30.00			30	12.00		6.00	
252	12	6.00	12	3.60	190	13.30			25	10.00		2.88	19.00
253	36	18.00	12	3.60	250	15.50			40	20.00		4.00	18.00
254	24	12.00	12	3.00	195	15.50			35	17.00		2.00	10.00
255	24	12.00	18	4.50	250	17.50			25	10.00		4.00	30.00
256	12	6.00	24	7.20	300	23.00			15	7.50		2.00	7.50
257	18	9.00	12	3.60	300	22.00	4	2.00				2.00	19.00
258	18	9.00			180	12.60			10	5.00			19.00
259	26	13.00	4	1.20	450	31.50			4	2.00		5.10	26.00
260			100	25.00	160	12.00			40	16.00			24.00
261	48	24.00	48	14.40					60	27.00			36.00
262	36	18.00	12	3.00	240	16.80	3	1.50	20	10.00		4.00	
263	36	18.00	24	6.00	360	25.20			20	10.00			
264	18	9.00	24	7.20	360	25.20					\$7.00		18.00
265	6	3.00	50	12.50	210	14.70	1	.60	20	10.00		6.80	21.90
266	12	6.00	30	6.90	170	12.00			15	8.25			10.00
267	1	.50	47	11.75	100	7.00	2	.80	8	4.00			21.90
268	15	7.50	36	8.28	350	24.50			24	13.20			13.00
269	10	6.00			205	16.38		7.80		7.80			13.00
270	20	10.00	25	5.75	500	35.00		10.00					6.00
271	3	1.50				12.00		2.00		6.00			3.00
272	18	10.80	93	26.00	634	50.70			20	9.00	15.00		10.92
273	6	3.60	60	16.80	310	24.80		2.50					12.00
274			21	6.00	240	19.20			12	5.40			5.20
275	12	9.60	24	6.72	300	24.00		3.00		5.00			
276			86	24.00	437	35.00		7.00	20	9.00			9.00
277	6	3.60	36	10.08	400	40.00			12	5.40			14.40
278	6	3.60	48	13.44	180	14.40			12	5.40			6.00
279			48	13.04	275	22.00		3.80	15	6.75			7.80
280	8	6.40	50	14.00	190	15.00		3.75	20	9.00			5.00
281	9	5.40	60	14.80	300	37.50		4.50	18	8.10			12.00
282	6	3.60	56	9.00	150	12.00				6.75			
283	12	7.20	24	6.06	150	12.00							12.00
284	5	3.00	28	7.56	300	24.00							
285	6	3.60	24	6.72	275	22.00	5	5.00	25	9.00		18.74	
286	6	3.60	48	13.44		24.00							5.00
287	6	3.60	24	6.72	300	24.00		10.00	10	5.00			24.00
288		3.00		6.00		8.00			12	6.00			5.00
289		3.00		5.00		7.00				15.00			5.00
290			30	7.50	300	25.00				12.00			5.00
291	10	4.00	16	4.00	93	6.50				12.00			10.95
292	10	4.00	24	6.60	114	8.00			26	13.00			5.00
293	1	1.00	40	10.00	313	25.00			26	13.00			4.50
294	10	4.00	25	7.00	300	24.00				18.50			10.00
295			16	9.00	143	10.00		4.00	28	14.00			7.40
296			40	10.00		12.00			39	15.00			
									27	13.50			2.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
297			24	\$5.52	143	\$10.00			12	\$6.60			\$7.20
298	14	\$8.40				24.00		\$15.60	24	12.00			7.80
299			30	8.52	170	12.00		3.00	15	8.25			6.50
300			52	13.00	115	9.20	2	.80	12	6.00		\$2.50	10.90
301	3	1.50	30	7.50	90	5.60	2	.80	9	4.50			10.92
302	1	.50	30	7.50	75	5.25	3	1.20	9	4.50		1.50	10.92
303			52	13.00	135	9.45	3	1.20	15	7.50		4.70	10.92
304	4	2.00	50	12.50	130	9.10	2	.80	16	8.00		3.00	21.90
305	5	2.50	60	15.00	200	14.00	4	1.60	20	10.00		11.50	21.90
306			52	13.00	100	7.00	3	1.20	10	5.00		6.50	10.96
307	2	1.00	40	10.00	100	7.00	2	.80	12	6.00		1.90	10.92
308	2	1.00	40	10.00	110	7.70	2	.80	11	5.50		5.45	21.90
309			50	14.00	300	24.00			20	9.00			8.50
310	6	3.60	18	5.84	150	12.00			12	5.40			6.40
311	9	5.40	60	15.00	150	12.00		4.80					
312	15	9.00	66	16.50	180	14.40		3.80		2.00			4.20
313	12	7.20	48	12.00	112	9.00		6.40	15	6.75	\$7.00		3.20
314			24	6.00	80	8.00			67	30.00			9.00
315		1.00	48	12.00	180	14.40				6.75			15.00
316			48	12.00	125	10.00		2.00					7.20
317	6	3.60	36	9.00	171	12.00			20	9.00	10.00		7.20
318	12	6.00	60	15.00	240	24.00		1.00	20	9.00			12.00
319	12	7.20	60	15.00	300	24.00		2.50	25	11.25			35.00
320			48	12.00	175	15.00		3.60		1.50			15.00
321			36	9.00	180	14.40		1.50	25	11.25			
322			36	9.00	360	36.00		7.20					18.00
323			36	9.00	300	24.00			20	9.00			12.00
324			24	6.00	90	7.20						3.00	
325	4	2.00	35	8.55	150	10.50		3.00	18	9.90			12.00
326			60	13.80		12.00		3.80	35	19.25			5.00
327	15	7.50	12	2.76	260	18.20			30	16.50			
328			100	23.00	225	15.75			25	13.75			
329	8	4.00	24	5.52	96	6.72			18	9.90			7.50
330	8	4.00	48	11.04	300	21.00			27	14.85			
331	5	2.50	48	11.04	175	12.25		5.00	20	11.00			8.00
332			52	12.00	214	15.00			18	9.90			8.40
333	6	3.00	36	8.28	160	11.20			15	8.25			7.50
334	9	4.50	44	10.23	211	14.80			23	12.65			8.25
335			60	13.80	200	14.00		7.50		16.50			12.00
336			60	13.80	350	24.50		8.00	35	20.35			10.00
337	12	6.00	50	11.50	193	13.50		6.40	20	11.50			12.00
338			130	30.00	365	25.55		5.50	30	16.50			
339	4	2.00	50	11.50	170	12.00		5.00	20	11.00			
340			97	20.00	200	14.00				4.25			5.00
341			55	13.75	72	5.76							12.00
342			52	13.50	90	7.20	3	1.50	20	9.00		1.50	9.10
343			52	13.00	96	7.68	2	1.00	40	13.00		1.50	9.10
344	1	.50	20	5.00	95	7.60	3	1.50	12	4.80		1.00	18.25
345			25	6.00	96	8.64	1	1.00	15	6.00	7.00	5.36	9.10
346	6	3.00	52	13.00	105	7.35	5	1.80	24	12.00		10.20	21.90
347			60	16.80		8.00			25	11.25			6.00
348	5	3.00	24	6.72	270	21.60			15	6.75			4.50
349	8	4.80	36	10.08	230	18.40			18	8.10			7.20
350	5	4.00	36	10.08	150	12.00			10	4.50			5.00
351	12	7.20	48	13.44	188	15.00			15	6.75			5.00
352	10	6.00	60	16.80	375	30.00		3.00	20	10.00			10.00
353									45	26.00			18.25
354	10	5.00	30	6.60	260	18.20			22	12.10			7.20
355	12	6.00	24	5.52	171	12.00		4.00	27	14.85			7.00
356	12	6.00	48	11.04	180	12.60			25	13.75			10.00
357	6	3.00	30	6.90	170	11.90			18	9.90			7.20
358	7	3.50	48	11.04	180	12.60		5.40	30	16.50			16.00
359	9	4.50	75	17.25	286	20.02		7.20					10.00
360	6	3.00	24	5.52	150	10.50				8.25			
361	10	5.00	50	11.50	250	17.50			30	16.50			5.00
362	6	3.00	40	9.20	150	10.50			20	11.00			9.00
363		6.00		4.00		11.25		3.60		12.00	1.85		10.00
364			36	9.00				6.00	30	12.00			1.50
365	24	12.00	40	11.20		24.00		6.00	25	12.50			18.25
366				18.00						12.00			18.25
367						15.00		9.50	24	12.00			10.00
368						6.40		3.00	25	12.50			
369			52	14.56		19.75			30	15.00			18.25
370				18.00		12.00			10	4.50			18.25

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
371		\$6.00	12	\$3.36	180	\$14.40			20	\$8.00			\$18.25
372						16.00			48	28.40			2.50
373	12	7.20	36	10.08		18.00							18.25
374				8.50		12.00		\$6.00	20	9.00			
375				6.72	104	7.28				5.00			
376						18.00							
377						24.00		7.50	36	21.60			15.00
378	3.00			7.50		18.00				15.00			18.25
379				12.00		24.00				12.50			9.00
380	6.00			6.00		18.00			18	7.20			18.25
381			24	6.72		12.00			24	12.60			12.00
382				8.00		12.00				10.00			9.00
383	36	18.00	40	12.00	315	31.50	4	2.40	12	9.60		\$14.40	12.96
384	50	25.00	25	7.50	2-0	28.00	3	2.25	10	8.00		11.52	12.00
385	38	19.00	45	13.50	300	30.00	3	2.25	12	9.60		13.44	11.40
386	30	15.00	30	9.00	275	22.00	3	1.80	8	6.40		12.00	7.80
387	30	15.00	30	9.00	200	16.00	3	1.80	6	4.80		10.80	6.00
388	35	17.50	45	13.50	285	28.50	5	3.75	11	8.80		12.00	12.60
389	40	20.00	45	13.50	300	30.00	5	3.75	13	10.40		15.60	12.00
390	27	13.50	40	12.00	215	17.20	6	3.60	10	8.00		13.80	9.90
391	30	15.00	40	12.00	235	18.80	5	3.50	10	8.00		13.20	11.10
392	33	16.50	46	13.80	276	22.08	3	2.10	8	5.60		13.20	11.88
393	52	26.00	30	9.00	280	22.40	4	2.40	10	7.40		11.00	12.30
394	35	17.50	30	9.00	287	22.96	3	1.80	8	5.62		11.16	10.38
395		12.00		13.00	450	36.00	10	6.00	30	15.00	\$4.00		52.00
396		12.00		18.00	325	26.00			20	10.00		.50	13.00
397		1.50		13.00	150	12.00	12	9.60	30	15.00	1.80	.25	1.00
398		6.00		13.00	150	12.00			6	3.00	2.00	1.00	12.00
399		1.50		13.00	350	28.00	2	2.00	36	18.00	4.50	9.00	24.00
400		3.00		6.50	200	16.00	2	1.20			1.75	1.00	2.50
401		12.00		6.00	300	24.00		5.10	48	24.00		3.00	24.00
402		1.00		16.00	200	16.00	12	7.80	6	3.00		.50	12.00
403		1.50		6.50	125	10.00	4	4.00	10	5.00	3.50		13.00
404		6.00		13.00	200	16.00			5	2.50	1.00		24.00
405		6.50		6.50	150	12.00				.70	4.00		24.00
406		6.00		13.00	200	16.00	2	1.50	40	20.00	1.25	1.00	6.00
407		1.80		6.50	150	12.00	5	3.75	12	6.00	3.00	2.00	6.50
408		1.00		13.00	300	24.00			24	12.00	9.20	2.00	15.00
409		3.00		9.00	200	16.00	4	2.20			2.50		10.80
410		6.00			150	12.00	12	7.20	18	9.00		3.00	
411		1.50		13.00	250	20.00			40	20.00	3.60		15.00
412		12.00		1.00	240	19.20	2	1.20	24	12.00	3.00	3.00	13.00
413		3.00		13.00	250	20.00			10	5.00	2.00	1.00	13.00
414	3	1.75	52	13.50	150	12.00			25	12.50			21.90
415		0.50		6.50	120	9.00			20	10.00		3.00	6.50
416				6.50	250	18.75		2.00	5	2.50	3.50	7.50	13.00
417		2.50		13.00	250	22.50	12	9.60	8	4.80	7.50	3.00	20.00
418		31.20		1.50	160	16.00	3	2.25	40	20.00	3.00	6.00	5.00
419		12.00			400	36.00			10	5.00	2.00	2.00	3.00
420				6.50	75	6.75	2	1.60	3	1.50		1.00	2.00
421		9.00		10.00	200	18.00			24	12.00	2.50	1.00	12.00
422		6.00		20.00	130	10.40	3	1.80			3.00	1.00	5.00
423	31	15.50	42	12.60	261	20.88	4	2.60	8	5.60		9.96	12.60
424	21	10.50	37	11.10	222	17.76	4	2.60	5	3.50		9.71	8.46
425	16	8.00	36	10.80	212	16.96	3	1.95	7	4.90		10.44	10.63
426	31	15.50	30	9.00	201	20.88	4	2.60	8	5.60		9.00	10.26
427	24	12.00	38	11.40	213	17.04	2	1.30	10	7.00		9.72	12.00
428	36	18.00	50	15.00	231	18.48	3	1.95	10	7.00		10.80	12.78
429	40	20.00	15	4.50	300	16.00	3	1.95	9	6.30		10.56	8.28
430	31	15.50	21	6.30	196	15.68	6	3.90	10	7.00		10.20	11.16
431	30	15.00	30	9.00	241	19.28	2	1.30	5	3.50		9.60	12.60
432	38	19.00	30	9.00	221	17.68	2	1.30	7	4.90		8.64	12.90
433	35	17.50	26	7.80	183	14.64	3	1.95	8	5.60		9.00	12.06
434	41	20.50	18	5.40	241	19.28	2	1.30	6	4.20		12.00	8.16
435	48	23.00	40	12.00	252	20.16	4	2.60	13	9.10		14.40	12.72
436	31	15.50	36	10.80	218	17.44	4	2.60	8	5.60		12.00	10.86
437		9.00		12.00	300	27.00	5	3.75			2.50	2.50	13.00
438	26	13.00			260	23.40		.40			2.50		1.50
439		10.00		6.00	150	13.50			20	8.00	2.00	1.00	14.40
440		6.50		6.50	250	20.00	3	1.80	30	15.00	3.60	2.00	26.00
441		6.50		6.50	300	24.00	4	4.00	15	7.50		4.00	
442		7.20		6.50	125	10.00		1.50	20	10.00		.50	16.80
443		3.60		9.00	300	24.00			24	9.60	2.00	3.00	13.00
444				13.00	150	12.00			25	12.50		6.00	7.56

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Budget number.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poultry.	Fish.	Milk.
445		\$4.00		\$39.00	400	\$32.00					\$2.00		
446		3.25		6.50	300	24.00					1.00	\$1.00	\$5.00
447		6.50		3.25	200	16.00	3	\$2.40	20	\$10.00	1.00		24.00
448	12	7.20			175	14.00					1.00	3.00	
449		6.00		13.00	300	24.00	6	3.60	10	5.00	7.20	4.00	26.00
450		6.00		3.00	150	12.00			24	12.00		1.00	21.60
451		7.20		6.00	150	12.00			10	4.00	1.50	.50	15.00
452	24	14.40			150	12.00	5	4.20	15	5.25	.60		13.00
453		6.00		6.00	150	12.00		1.40	12	6.00		3.00	13.00
454		1.00		13.00	150	12.00	12	7.20				2.00	
455				18.00	200	16.00	6	3.60	20	10.00	2.00	2.00	13.00
456		6.00		13.00	160	12.80			12	6.00	2.00	12.00	13.00
457		3.00		13.00	300	24.00		5.00	30	12.00	3.00	3.00	
458		6.00		13.00	160	12.80		2.00	12	6.00	4.23	1.00	1.00
459		6.00		6.50	250	20.00	3	1.80	12	6.00	3.50	3.00	13.00
460		15.00		6.00	600	48.00	18	18.00	20	8.00	6.00	3.00	
461		13.00		6.50	225	18.00	4	2.40			2.50		13.00
462		5.00		13.00	160	12.80			12	6.00		1.00	13.00
463		2.00		20.00	300	24.00			24	12.00	2.00	.50	
464				13.00	100	8.00			20	10.00	2.00	.50	13.00
465		18.00		6.00	300	24.00		1.20	20	10.00	2.75	4.80	
466		13.00		6.00	300	24.00	2	2.00			1.25	.50	15.00
467		12.00		30.00	700	56.00		2.40	12	6.00	3.00		39.00
468		8.00		6.50	150	12.00	16	12.80	24	12.00		2.00	1.00
469		10.00		10.00	300	24.00	3	3.00	20	10.00	2.00	2.00	20.00
470		3.00		13.00	150	12.00				3.00	2.00		13.00
471		12.00		18.00	150	12.00	2	2.00				1.00	
472				22.00	250	20.00		1.00	20	10.00	5.00		22.00
473		6.00		10.00	250	20.00		.60	12	6.00	1.50	3.25	10.00
474		4.00		7.00	150	13.50		2.00	20	10.00	3.00	1.00	13.00
475		12.00		13.00	300	24.00		1.60	36	18.00	2.00	1.20	13.00
476		6.50		6.50	200	16.00			24	12.00			3.00
477		7.20		9.00	325	26.00	3	1.50	12	6.00	3.00	1.50	26.00
478		6.00		13.00	325	26.00	12	7.20	24	12.00	2.00		26.00
479		3.00		26.00	200	16.00	12	7.20			5.00	.50	
480		6.00		13.00	450	36.00					2.50	6.00	4.00
481		6.50		6.50	225	18.00		.80	25	12.50		3.00	18.00
482				9.00	150	12.00			4	2.00	1.50		11.00
483		6.00		13.00	150	12.00		1.20	12	6.00	3.00	1.00	13.00
484		6.00		6.50	325	26.00			24	12.00		1.00	13.00
485		3.00		13.00	500	40.00							2.00
486		2.00		6.50	200	16.00			12	6.00	3.00	.25	15.00
487		7.20		26.00	650	52.00	6	3.00			4.00	12.00	30.00
488		7.20		5.00	125	10.00			8	4.00			3.00
489		6.00		13.00	200	16.00	5	5.00				6.00	4.00
490		7.20		4.50	250	20.00	2	1.40				1.50	6.00
491		1.00		10.00	225	18.00							6.00
492		6.00		17.00	350	28.00	24	14.40	10	5.00	2.50	2.00	
493		6.50		6.50	325	26.00	8	6.40	40	20.00		1.00	
494		6.00		13.00	300	24.00	3	3.00	20	10.00			20.00
495		1.75		13.00	200	16.00	2	2.00			2.00	2.00	13.00
496		6.00		12.00	300	24.00			10	5.00	1.50	3.00	1.50
497		3.25		3.25	150	12.00			6	3.00			6.00
498		2.00		6.50	350	28.00			12	6.00	1.00		24.00
499		12.00		13.00	300	24.00	12	9.00	28	14.00	10.00	1.00	26.00
500		10.80		15.00	750	60.00							26.00
501		6.00		18.00	200	10.00			24	12.00	2.00	2.00	20.00
502		6.00		6.50	125	10.00			20	10.00		2.00	18.00
503		4.00		13.00	200	16.00			10	5.00	1.00	2.00	26.00
504		8.00		15.00	500	40.00			40	20.00	6.00	2.00	26.00
505		7.00		26.00	400	32.00	3	1.80					5.00
506		3.00		6.00	150	12.00	6	3.60	24	12.00	.40	6.00	3.00
507		6.50		6.50	150	12.00	12	4.80				2.00	
508		3.60		13.00	250	20.00	12	7.20				3.00	
509		4.00		16.00	225	18.00	6	3.60	12	6.00	3.50	1.00	13.00
510		5.00		8.00	75	6.00			10	5.00			6.00
511		3.00		13.00	200	16.00	4	4.00				.50	
512		1.00		6.00	200	16.00	5	3.00	8	4.00		3.00	13.00
513		4.00		8.00	250	20.00		.75	10	5.00	12.00	1.00	13.00
514		3.60		6.50	150	12.00			10	5.00			24.00
515		6.00		6.00	150	12.00	5	2.00	12	6.00	2.00	9.00	12.00
516		8.00		9.00	300	24.00	6	4.50	10	5.00	3.00		
517		6.00		13.00	150	12.00		1.50	13	6.50	1.70	2.00	13.00
518		7.20		13.00	400	32.00		3.00	15	7.50	6.00	3.00	13.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
519		\$0.60		\$21.00	350	\$28.00	3	\$1.80	8	\$2.40		\$2.00	\$20.00
520		2.00		6.50	150	12.00		4.00	12	7.20	\$1.00	1.00	12.00
521		1.50		12.00	225	18.00	2	1.20	18	9.00	1.00	.50	12.00
522		6.00		13.00	250	20.00	3	1.80	33	16.50			3.00
523		1.50		26.00	350	28.00	6	3.60	10	5.00		3.00	26.00
524		1.95		3.25	100	8.00	4	2.40			1.00	3.00	6.50
525		2.60		3.50	150	12.00	5	3.00	12	6.00	2.00	2.00	13.00
526		1.00		10.00	150	12.00					.75	3.00	13.00
527		3.90		9.00	325	26.00	12	7.20	10	5.00		1.00	6.00
528		3.60		18.00	300	24.00	3	3.00		2.00		1.00	
529		1.00		6.00	50	4.00	2	1.70				.50	.50
530		6.00		3.00	175	14.00	3	1.80	24	12.00			6.50
531		3.00		6.50	150	12.00	6	3.00	10	5.00	1.50	3.00	13.00
532		3.00		1.50	150	12.00							
533		6.00		13.00	300	24.00							
534		2.00		13.00	225	18.00	3	1.80	20	10.00		3.00	
535		.60		13.00	250	20.00	2	1.20	24	14.40	5.00	2.00	26.00
536		1.00		13.00	225	18.00	1	.60	20	10.00	2.00		15.00
537		1.00		13.00	200	16.00	2	1.20	12	6.00	2.00		13.00
538		7.00		13.00	225	18.00	2	1.00		3.50		1.20	
539		6.00		13.00	225	18.00	2	1.20	20	10.00		3.00	13.00
540		7.20		3.25	150	12.00			24	12.00	2.00	.50	26.00
541		.60		10.00	225	18.00	2	1.20	20	10.00	2.00	1.00	13.00
542		3.60		3.00	150	12.00	2	1.50	12	6.00	1.00	1.00	13.00
543		4.00		12.00	200	16.00		.50	10	6.00		2.00	10.00
544		7.20		10.00	350	28.00			40	20.00	8.00		26.00
545		.60		13.00	175	14.00			20	10.00	2.00		13.00
546		36.00		18.00	500	40.00	7	5.60	8	4.00	3.60	6.00	
547		5.00		13.00	200	16.00			5	2.50			6.00
548		7.20		13.00	350	28.00	8	8.00	10	5.00	3.00	6.00	18.00
549		5.00		20.00	275	22.00			24	12.00	3.00	2.00	
550		9.60		13.00	250	20.00			13	6.50	3.00	1.00	26.00
551		6.00		13.00	250	20.00	5	3.00	20	10.00	1.00	3.00	13.00
552		5.00		17.00	250	20.00	6	3.60			1.50	.50	20.00
553		.60		26.00	200	16.00			12	6.00	10.00	1.00	26.00
554		12.00		13.00	300	24.00	3	1.80	20	10.00	1.75	12.00	3.00
555		7.20		9.00	200	16.00			20	10.00	2.00	.25	13.00
556		3.60		6.25	100	8.00		1.00	10	5.00		.50	13.00
557		2.00		3.00	75	6.00	3	1.80				1.50	.25
558		21.60		10.00	450	36.00					2.00		
559		6.00		6.00	200	16.00			10	6.00	2.00		16.00
560		18.00		13.00	450	36.00	12	7.20	30	15.00	2.00	6.00	13.00
561		9.00		21.00	500	40.00	24	12.00	30	15.00	5.00	6.00	30.00
562		.60		13.00	225	18.00	3	1.80	16	8.00	2.00	.50	18.00
563		7.20		18.00	325	26.00	6	3.60	30	15.00		3.00	6.00
564	35	17.50	36	10.80	280	28.00	5	3.75	10	8.00		12.00	9.60
565		10.00		3.00	200	16.00	8	4.00	13	6.50		13.00	13.00
566		15.60			300	24.00			18	9.00	3.00		5.00
567		7.20		13.00	225	18.00	5	5.00	12	6.00	2.00	3.00	26.00
568		13.00		1.50	300	24.00	1	.80	13	6.50	9.00	13.00	3.00
569		25.00		6.50	400	36.00	3	1.80	10	5.00	2.00		3.60
570		20.00		6.50	220	19.80	24	14.40	13	6.50	2.00	1.00	
571		7.20		13.00	300	24.00	2	1.60	18	9.00	5.00	1.00	2.00
572		15.00		10.50	210	16.80	4	2.60	8	5.60		9.96	10.26
573		2.00		6.00	140	12.60		.40			1.80	2.00	24.00
574		26.00			275	24.75			7	1.75		.50	
575	24	12.00			300	24.00	2	1.20				1.00	
576		3.60		13.00	400	32.00		5.00	8	4.00			
577		35.00		.75	450	36.00					5.00		3.50
578		6.50		13.00	550	44.00					2.60	2.60	13.00
579		9.75		6.50	300	24.00			13	6.50	2.00	2.00	13.00
580		9.00		6.00	300	24.00		.90	20	10.00		1.00	13.00
581		20.00			325	26.00		.60			1.50	1.00	4.00
582		7.00		6.00	150	12.00	3	2.40	16	8.00		6.00	13.00
583		6.00		13.00	175	14.00	3	1.80	6	3.00	2.00	3.00	13.00
584	52	26.00			300	24.00		.60				9.00	
585		6.00	68	17.00		36.00			30	12.00			36.50
586	6	3.00	96	26.88		24.00			15	7.50			24.00
587													
588													
589		1.00		14.00					25	16.00			14.60
590													
591			25	13.00	25	2.00							11.00
592	3	1.75	75	17.00	125	10.50			15	9.00			6.00
									40	20.00			15.12

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
593	3	\$1.75	20	\$5.50	100	\$8.00			20	\$11.00			\$14.00
594		12.00		12.00	150	12.00	12	\$6.00					
595				9.60	150	12.00							12.00
596				13.00	150	12.00							
597		3.00		6.00	200	16.00		12.00	20	10.00	\$3.00		13.00
598		6.00		13.00	175	14.00		.60				\$3.00	
599		3.00		9.00	175	14.00	3	1.80				1.00	13.00
600	24	15.60	36	10.08	400	36.00				17.00			
601		3.00		12.00		15.00				10.00			18.25
602						24.00				18.00			
603	16	9.60	60	16.80		24.00		13.50	40	23.50			18.25
604	40	20.00	40	12.00	300	27.00	3	2.25	12	9.60		14.16	7.80
605	42	21.00	24	7.20	200	16.00	4	2.40	10	8.00		13.80	9.10
606	25	12.50	35	10.50	216	17.28	3	1.80	8	6.40		12.00	6.00
607	30	15.00	30	9.00	260	26.00	5	3.00	8	6.40		11.52	16.80
608	35	17.50	35	10.50	260	20.80	5	3.00	10	8.00		14.40	10.56
609	25	12.50	30	9.00	200	16.00	3	1.80	6	4.50		5.20	6.48
610	46	23.00	40	12.00	262	20.96	3	1.80	8	5.60		11.16	16.20
611		6.00		13.00	250	20.00			12	7.20	3.60	1.00	26.00
612	24	12.00			300	24.00	2	1.20				3.50	
613	75	37.50			400	34.00			40	20.00	4.00	3.00	
614		30.00			500	40.00			24	12.00	4.00	13.00	12.00
615		12.00		.75	400	32.00		.80	32	16.00	15.60	13.00	13.00
616		6.50		13.00	286	25.74			4	2.00	2.00	3.00	
617		26.00		3.00	400	36.00		1.80	20	10.00	4.00	12.00	12.00
618		12.00		13.00	600	51.00		.50	20	10.00	4.00	1.00	13.00
619		13.00		26.00	400	32.00		2.00	10	3.50		6.00	
620		3.00		10.00	200	18.00			14	7.00	6.00	2.00	12.00
621		7.00		12.00	440	35.20	3	1.80	20	10.00	2.00	2.00	4.00
622	24	14.40			160	12.80			12	6.00	1.50	1.00	13.00
623	24	14.40			200	16.00					2.00	3.00	6.00
624	31	15.50	36	10.80	200	16.00	3	1.80	7	4.90		12.12	9.66
625	35	10.50	30	9.00	168	14.44	3	1.95	5	3.50		9.96	8.16
626		12.00			230	18.40					2.00	12.00	13.00
627	72	36.00		2.00	600	54.00	4	3.20	75	37.50		12.00	
628		24.00			400	36.00					10.00	6.00	
629		13.00			200	18.00			35	10.50		3.00	13.00
630	30	18.00			264	23.76		1.00	10	5.50	4.00	2.00	15.00
631		14.40			300	24.00						1.00	12.00
632	48	24.00			325	26.00					1.80	12.00	4.00
633	36	18.00			400	36.00			23	11.50		1.50	26.00
634	48	24.00			400	32.00			24	12.00	3.00		21.60
635		20.00		6.00	325	26.00			24	12.00		1.00	20.00
636	36	18.00			700	56.00	12	6.00				9.00	4.00
637		13.00		9.75	450	36.00	2	1.60	15	7.50	4.00		6.00
638	24	14.40			250	20.00			30	15.00	8.40	6.00	13.00
639		13.00		1.00	550	44.00	3	2.40				6.00	15.00
640		12.00		3.00	100	8.00			20	10.00	3.00	4.00	13.00
641		12.00		3.00	200	16.00			10	5.00	2.00	1.00	18.00
642					350	28.00			12	6.00	2.00	1.00	13.00
643		18.00		3.00	300	24.00			30	15.00	7.20	6.50	13.00
644	16	8.00			150	12.00			13	6.50	6.30	3.00	12.00
645	72	36.00		2.00	500	40.00			40	20.00	2.00	10.00	8.00
646	26	13.00			250	20.00		1.00	12	6.00			
647		18.00		13.00	500	40.00	6	3.60				1.00	7.20
648	24	14.40			325	26.00							18.60
649	24	14.40			300	24.00	2	1.20	30	15.00	3.00	4.00	
650		24.00			300	24.00					5.00	3.00	13.00
651		14.00		6.50	300	24.00		2.50			4.00	2.00	
652		24.00		.50	200	16.00			6	3.00	.35	3.00	26.00
653	36	21.60			300	24.00				1.00		3.00	
654	80	40.00			400	32.00	12	9.00	20	10.00		10.00	
655		40.00		5.00	600	48.00	5	4.00	40	20.00	15.00	18.00	1.50
656	26	13.00			300	24.00			20	10.00	2.50	6.00	13.00
657	36	21.60			450	36.00					2.00	3.00	
658	26	13.00			450	36.00						3.00	
659		4.00		6.00	300	24.00			8	4.00		4.00	3.00
660		6.00		13.00	200	16.00	6	4.80				.50	18.00
661		12.00			300	24.00			12	6.00	1.00	6.00	26.00
662	30	18.00			300	24.00	3	1.80			1.50	3.00	2.50
663	72	31.00			300	24.00					2.50	18.00	4.00
664	18	9.00			225	18.00		1.00	20	10.00	2.00	12.00	18.00
665		24.00		10.00	350	28.00		1.00			2.00	9.00	13.00
666		26.00		13.00	325	26.00			40	20.00	5.00	10.00	26.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
667		\$3.60		\$13.00	450	\$36.00	5	\$4.00	10	\$5.00		\$1.00	
668		21.60		6.50	400	32.00	2	1.20			\$2.50	1.00	\$6.00
669	60	30.00			600	48.00					1.50		18.00
670		6.00		6.00	150	12.00	3	1.80				12.00	
671	30	15.00	30	6.50	218	17.44	3	1.80	8	6.40		12.00	6.60
672	52	26.00	20	6.00	273	21.84	3	1.95	10	7.00		14.52	12.60
673	24	12.00	40	12.00	191	15.28	3	1.95	5	3.50		9.60	7.98
674		5.00		7.50	125	10.00			12	6.00	1.00		1.00
675	36	18.00			400	32.00						1.50	12.00
676													
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698	13	9.75	1	.35	130	11.70			20	12.00	10.00	1.90	
699	12	9.00	20	6.00	160	14.40	2	1.00	10	6.00	5.00		
700					100	10.00			18	12.60	5.00		
701	6	4.50	60	21.00	170	15.30			12	7.20	16.00		
702			50	12.50	360	36.00	6	3.00	20	12.00			
703			45	13.50	275	26.00	12	6.00	12	8.40	6.00		
704	4	2.60	65	16.25	150	15.00	2	1.00	15	9.00	6.00		
705			1	.30	190	17.10			12	7.20	10.00	1.50	
706	3	2.25	60	18.00	200	18.00			30	18.00	10.00		
707													
708													
709													
710													
711													
712													
713													
714													
715			90	22.50	130	12.00	16	8.00	10	7.00			
716			40	12.00	400	38.00	7	3.50	3	3.00		4.00	
717			25	7.50	140	14.00	10	5.00	12	8.40			
718	2	1.50	25	7.50	160	15.00	5	2.50	6	4.20	5.00		
719	13	9.10			150	14.50	3	1.50	6	4.80	5.00		
720			50	15.00	200	18.00	16	8.00	18	12.60	12.00		
721	5	3.75	13	3.90	120	10.80	16	8.00	12	9.60	6.00		
722	6	4.50	25	7.50	120	10.50	2	1.00	6	4.20			
723			48	14.40	150	13.50	10	5.00	10	6.00	6.00		5.00
724			90	22.50	150	13.50	10	5.00	4	2.50			
725	40	24.00				60.00	6	6.00	30	18.00	12.00		
726	1	.75	75	18.75		50.00			3	1.90	12.00		
727				20.00	200	20.00			20	10.00	7.20	3.00	4.00
728				13.00	260	23.40	10	6.00			.90	10.00	10.40
729				10.00	120	12.00		6.00	12	7.20	1.80		
730				19.50	130	13.00	13	7.80	4	2.40		1.00	
731				13.00	130	13.00	12	7.20	12	6.00	3.60	3.00	2.00
732				13.00	200	20.00	2	1.00	4	2.00	4.80		1.00
733				13.00	130	13.00	3	1.80	4	2.40	7.20	1.50	
734				10.00	120	12.00	12	7.20	12	6.00	3.00	5.00	2.00
735				13.00	120	12.00	12	6.00	10	5.00	6.00	1.50	5.00
736				13.00	104	10.40	3	1.50	2	1.20	3.00	3.00	10.50
737		2.60			52	5.20	6	3.00	1	.60	6.00	2.00	
738				13.00	130	13.00	12	7.20	10	5.00	6.00	6.00	
739				6.50	104	10.40	18	9.00	5	2.50		1.50	2.00
740				6.50	65	6.50	3	1.50	4	2.40	1.20		



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
741	-----	-----	-----	\$6.50	130	\$13.00	2	\$1.00	4	\$2.40	\$6.00	\$3.00	-----
742	-----	-----	-----	13.00	130	13.00	3	1.50	2	1.80	3.00	1.00	\$1.00
743	-----	\$3.20	-----	13.00	150	15.00	11	4.40	10	4.00	4.80	1.00	5.00
744	-----	-----	-----	6.50	65	6.50	6	3.00	4	2.00	1.50	1.50	2.00
745	-----	-----	-----	13.00	75	7.50	10	6.00	22	1.25	-----	2.00	3.00
746	-----	-----	-----	14.44	240	19.20	3	1.50	12	6.00	3.00	4.00	-----
747	-----	-----	-----	10.00	65	6.50	3	1.50	2	1.50	3.00	.50	2.00
748	-----	-----	-----	13.00	130	13.00	3	1.50	2	1.00	-----	2.00	2.00
749	-----	-----	-----	16.00	200	20.00	3	1.50	6	3.60	6.00	.50	10.00
750	-----	2.00	-----	12.00	-----	14.40	-----	4.20	-----	3.60	3.00	-----	12.00
751	-----	-----	-----	18.00	100	10.00	5	2.50	3	1.50	6.00	2.00	-----
752	-----	4.80	-----	13.00	180	18.00	2	1.20	18	9.00	3.00	3.60	18.00
753	-----	-----	-----	7.56	104	10.40	3	1.50	6	3.00	3.00	-----	-----
754	12	7.20	20	5.00	113	9.00	6	3.60	12	7.20	-----	-----	10.82
755	6	3.60	24	6.00	90	7.20	3	1.80	-----	6.00	-----	4.20	21.90
756	8	4.80	22	5.50	100	9.00	-----	-----	10	6.00	-----	3.20	12.74
757	7	4.20	30	7.50	125	11.25	2	2.10	13	7.80	-----	9.68	25.55
758	-----	-----	104	31.00	110	9.90	10	5.00	8	4.00	-----	-----	-----
759	10	6.00	40	10.00	140	11.20	3	1.80	18	10.80	-----	-----	16.00
760	6	3.60	52	13.00	120	12.00	6	3.60	20	12.00	-----	-----	14.56
761	12	6.00	20	5.00	103	8.24	4	2.40	16	9.60	-----	2.30	10.92
762	12	6.00	30	7.50	135	12.18	4	2.40	15	9.00	-----	2.56	22.55
763	-----	-----	79	24.32	26	4.17	-----	-----	-----	-----	-----	-----	10.57
764	-----	-----	114	20.17	-----	-----	-----	-----	-----	-----	-----	-----	-----
765	-----	-----	79	20.84	26	3.47	-----	-----	-----	-----	-----	-----	-----
766	-----	-----	44	11.58	57	6.02	-----	-----	-----	-----	-----	-----	14.09
767	-----	-----	53	13.90	13	1.39	-----	-----	-----	-----	-----	-----	6.95
768	-----	-----	172	45.16	26	3.47	-----	-----	-----	-----	-----	-----	37.44
769	-----	-----	79	20.84	-----	-----	-----	-----	-----	-----	-----	-----	-----
770	-----	-----	132	34.74	13	1.39	-----	-----	-----	-----	-----	-----	47.29
771	-----	-----	114	30.11	-----	-----	-----	-----	-----	-----	-----	-----	-----
772	-----	-----	57	15.05	13	1.39	-----	-----	-----	-----	-----	-----	10.57
773	-----	-----	70	18.53	-----	-----	-----	-----	-----	-----	-----	-----	8.11
774	16	7.78	-----	-----	104	4.14	-----	-----	-----	3.89	-----	-----	12.65
775	18	8.76	10	3.65	100	4.06	-----	-----	-----	3.89	-----	-----	12.65
776	20	12.17	-----	-----	104	4.14	-----	-----	-----	4.38	-----	6.33	18.98
777	20	12.17	12	4.38	156	6.33	-----	-----	-----	7.78	-----	-----	15.82
778	20	9.73	-----	-----	104	4.14	-----	-----	-----	4.87	-----	18.98	16.87
779	25	12.16	-----	-----	156	6.33	-----	-----	-----	4.87	-----	-----	12.65
780	14	8.52	-----	-----	104	4.14	-----	-----	-----	3.89	-----	6.33	-----
781	20	12.17	-----	-----	156	6.33	-----	-----	-----	4.87	-----	-----	18.98
782	18	9.85	10	3.65	156	6.33	-----	-----	-----	6.57	-----	-----	15.82
783	22	12.05	-----	-----	156	6.33	-----	-----	-----	6.57	-----	-----	18.98
784	14	6.81	8	2.92	100	4.06	-----	-----	-----	3.04	-----	-----	9.73
785	16	8.76	-----	-----	104	4.14	-----	-----	-----	4.38	-----	-----	12.65
786	16	8.76	-----	-----	104	4.14	-----	-----	-----	4.87	-----	6.33	14.76
787	14	6.81	-----	-----	100	4.06	-----	-----	-----	4.87	-----	6.33	-----
788	20	9.73	-----	-----	104	4.14	-----	-----	-----	5.60	-----	12.65	12.65
789	16	8.76	8	2.92	104	4.13	-----	-----	-----	5.84	-----	4.22	12.65
790	28	17.03	-----	-----	208	8.43	-----	-----	-----	9.25	-----	12.65	18.98
791	30	14.60	-----	-----	156	6.33	-----	-----	-----	12.65	-----	-----	-----
792	20	9.73	-----	-----	78	3.16	-----	-----	-----	5.27	-----	-----	2.11
793	20	9.73	-----	-----	104	4.22	-----	-----	-----	6.33	-----	-----	2.64
794	39	18.98	-----	-----	-----	-----	-----	-----	-----	18.98	-----	-----	11.09
795	26	12.65	-----	-----	130	6.59	-----	-----	-----	6.33	-----	-----	6.33
796	26	11.60	-----	-----	156	6.33	-----	-----	-----	18.98	-----	-----	7.38
797	26	12.65	10	3.65	208	8.44	-----	-----	-----	9.25	-----	-----	-----
798	18	10.95	-----	-----	104	4.14	-----	-----	-----	4.14	-----	6.33	15.82
799	26	12.65	-----	-----	104	4.14	-----	-----	-----	11.92	-----	-----	9.49
800	39	21.35	-----	-----	260	15.82	-----	-----	-----	12.77	-----	18.98	22.14
801	30	14.60	-----	-----	130	7.91	-----	-----	-----	11.92	-----	6.33	18.98
802	20	9.73	10	3.65	130	7.91	-----	-----	-----	8.23	-----	18.98	25.31
803	20	12.17	12	4.87	130	7.91	-----	-----	-----	9.89	-----	12.65	27.41
804	20	9.73	10	3.65	156	7.91	-----	-----	-----	9.73	-----	12.65	23.20
805	28	17.03	-----	-----	130	7.91	-----	-----	-----	11.07	-----	12.65	18.98
806	30	19.47	13	4.74	130	7.91	-----	-----	-----	7.38	-----	4.22	23.20
807	26	15.82	18	5.84	136	8.27	-----	-----	-----	5.68	-----	12.65	9.49
808	30	18.25	20	7.30	208	12.65	-----	-----	-----	11.07	-----	12.65	23.20
809	30	18.25	15	6.08	312	18.98	-----	-----	-----	14.19	-----	25.31	22.14
810	30	18.25	20	8.11	156	9.49	-----	-----	-----	13.63	-----	-----	31.63
811	20	12.17	12	4.38	130	7.91	-----	-----	-----	9.93	-----	-----	22.14
812	26	17.92	-----	-----	104	6.33	-----	-----	-----	3.69	-----	6.33	14.76
813	15	9.73	26	10.54	104	6.33	-----	-----	-----	3.69	-----	10.54	6.33
814	52	25.31	-----	-----	130	7.91	-----	-----	-----	16.22	-----	6.33	21.09

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Concluded.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
815	26	\$15.82	20	\$7.30	200	\$12.17	.....	.....	.....	\$5.39	.....	.....	\$21.09
816	40	19.47	.....	.....	156	7.91	.....	.....	.....	7.30	.....	\$18.98	18.98
817	28	17.03	.....	.....	130	7.91	.....	.....	.....	5.35	.....	12.65	21.09
818	20	12.17	16	6.49	130	6.59	.....	.....	.....	5.68	.....	.....	21.09
819	39	23.72	.....	.....	150	9.12	.....	.....	.....	3.69	.....	22.14	15.82
820	30	14.60	10	3.65	104	6.33	.....	.....	.....	8.52	.....	.....	20.03
821	30	20.08	15	6.08	208	12.65	.....	.....	.....	16.30	.....	25.31	18.98
822	30	14.60	.....	.....	104	4.22	.....	.....	.....	6.33	.....	.....	3.69
823	30	14.60	.....	.....	156	6.33	.....	.....	.....	12.65	.....	.....	6.33
824	52	25.31	.....	.....	260	13.18	.....	.....	.....	25.31	.....	.....	14.76
825	26	12.65	.....	.....	104	4.22	.....	.....	.....	6.33	.....	.....	3.65
826	26	12.65	.....	.....	156	6.33	.....	.....	.....	18.98	.....	.....	7.40
827	26	12.65	.....	.....	156	6.33	.....	.....	.....	12.65	.....	.....	7.40
828	52	31.63	.....	.....	312	15.82	.....	.....	.....	18.98	.....	.....	12.65
829	25	12.65	.....	.....	156	6.33	.....	.....	.....	16.87	.....	.....	3.16
830	26	12.65	.....	.....	156	6.33	.....	.....	.....	9.49	.....	.....	7.40
831	30	14.60	.....	.....	208	8.44	.....	.....	.....	14.76	.....	.....	3.16
832	40	17.84	.....	.....	156	6.33	.....	.....	.....	21.09	.....	.....	7.40
833	26	12.65	.....	.....	208	8.44	.....	.....	.....	9.49	.....	.....	3.69
834	20	9.73	.....	.....	104	4.22	.....	.....	.....	12.65	.....	.....	7.40
835	30	14.60	.....	.....	156	6.33	.....	.....	.....	12.65	.....	.....	7.40
836	26	12.65	.....	.....	104	4.22	.....	.....	.....	6.33	.....	.....	3.69
837	26	12.65	.....	.....	130	5.27	.....	.....	.....	5.27	.....	.....	7.40
838	40	19.46	.....	.....	208	8.44	.....	.....	.....	9.73	.....	.....	12.65

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)

Budget number.	Cost of—							
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).
1	\$18.90			\$3.60	\$5.00		\$1.20	\$12.00
2	38.40			4.50			5.00	34.00
3	28.80				2.50		1.50	20.00
4	42.00						3.66	25.00
5	29.70			1.80			1.20	20.00
6	30.60						1.12	18.00
7	38.70				1.50		3.75	16.00
8	45.60			.90			2.40	14.00
9	48.60						1.50	30.00
10	44.10				2.00		.20	16.00
11	34.20						1.50	18.00
12	44.50						3.70	20.00
13	30.00				2.00		3.80	75.00
14	31.20						3.40	16.00
15	44.00						3.00	20.00
16	22.60			1.60	5.40		3.30	36.00
17	56.00			4.00			5.80	30.00
18	27.00				2.50		5.20	20.00
19	48.50						4.55	25.00
20	41.40						4.80	30.00
21	30.00				2.00		2.80	20.00
22	45.00						6.20	16.00
23	48.00						5.20	70.00
24	64.50						6.40	43.00
25	28.70				2.00		2.80	20.00
26	33.60						4.70	30.00
27	16.80	\$0.60		1.60	5.00		2.85	20.00
28	50.00			1.20	1.75		4.40	60.00
29	15.00	1.25		1.00	5.00		6.20	30.00
30	56.00			1.00	2.50		4.50	40.00
31	20.50			4.00	6.50		2.40	12.00
32	39.80	7.00					6.30	30.00
33	20.25				2.75		2.50	15.00
34	35.40						5.50	30.00
35	34.00						4.30	20.00
36	24.90				3.75		2.05	15.00
37	26.70						2.70	15.00
38	47.80						2.80	18.00
39	46.00						3.60	18.00
40	64.40						4.65	20.00
41	42.20				1.75		4.30	25.00
42	33.80						4.30	20.00
43	57.60				2.50		9.00	30.00
44	25.60						5.00	30.00
45	35.50						4.55	30.00
46	39.20		\$1.60	2.00			2.70	25.00
47	43.00						4.90	20.00
48	33.00						4.65	20.00
49	57.60				3.60		14.00	20.00
50	47.60						7.60	20.00
51	51.60			2.40			7.85	20.00
52	33.20						2.20	25.00
53	54.60				2.00		2.90	20.00
54	24.40						5.20	20.00
55	42.00						3.75	40.00
56	51.20						5.40	50.00
57	45.50						4.50	25.00
58	31.80				2.00		4.75	25.00
59	37.10	.60					4.20	65.00
60	48.00				2.00		12.60	16.00
61	30.60				3.00		1.60	27.00
62	37.80						9.00	75.00
63	19.95						4.90	18.00
64	76.20				4.20		2.40	35.00
65	20.20						3.30	24.00
66	80.40			4.00	3.60		6.00	58.00
67	34.25			1.08			1.65	18.00
68	76.60			.96	5.40		7.80	66.00
69	37.40			4.00	5.00		2.50	30.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	Total food.
70	\$24.09	\$1.00			\$5.00		\$1.80	\$25.00	
71	61.60			\$2.40			3.60	05.00	\$222.60
72	44.90						6.75	20.00	384.60
73	30.70				.90		2.50	20.00	169.10
74	27.00				1.25		2.85	20.00	148.10
75	37.80						4.10	20.00	139.10
76	21.70	10.00			2.50		5.20	15.00	157.90
77	31.00			3.20	3.60		2.50	25.00	137.40
78	26.80						3.50	25.00	165.55
79	36.80				1.50		3.90	25.00	156.80
80	39.60			2.40	1.75		4.05	18.00	170.70
81	43.90				.90		4.15	10.00	194.55
82	18.90			1.60	2.40		3.70	22.00	138.45
83	22.20						3.75	20.00	140.10
84	29.70						3.45		118.90
85	19.75				2.50		2.75		110.25
86	23.20				2.00		3.90	20.00	135.75
87	38.00		\$0.50				4.50	15.00	140.60
88	25.80						3.95	20.00	176.70
89	34.20				1.00		2.50	58.00	205.00
90	28.70						5.20	12.00	135.65
91	58.00						5.10	20.00	188.55
92	26.10						3.70	25.00	218.50
93	40.80						8.40	16.00	122.75
94	34.40						1.20	25.00	194.25
95	26.40						4.25	14.00	146.20
96	30.00						2.20	16.00	151.80
97	19.80	6.00					2.30	18.00	180.35
98	45.90				2.25		2.55	25.00	208.20
99	33.20						2.85	20.00	178.45
100	33.80			3.60	2.40			15.00	158.45
101	43.20							20.60	200.40
102	29.40						2.60	30.00	204.35
103	26.00						1.80	16.00	164.70
104	29.60				8.00		2.70	14.00	173.00
105	30.60						2.25	18.00	117.65
106	37.00				2.40		5.80	30.00	208.05
107	38.00			6.00	7.00		.25	20.00	150.83
108	91.00			5.00	3.00		2.40	25.00	197.85
109	37.70						5.20	35.00	289.80
110	42.40						2.05	18.00	171.50
111	36.50				21.00		3.50	12.00	162.70
112	27.90				2.50		6.00	35.00	313.22
113	48.60						6.35	33.00	163.25
114	38.70				3.60		2.80	20.00	216.45
115	19.00				1.50		6.50	25.00	211.70
116	20.40			1.75	5.40		4.50	14.00	144.55
117	36.00		1.00				2.40	20.00	193.85
118	37.90		1.00				2.35	17.00	144.75
119	28.90						3.40	16.00	187.30
120	47.70						5.20	18.00	169.00
121	45.00						1.50	15.00	197.50
122	41.50				2.50		4.50	20.00	180.52
123	25.15						2.00	16.00	192.10
124	35.60		6.00		2.50		2.65	20.00	167.20
125	50.50						4.00	15.00	124.20
126	56.80						5.00	20.00	205.40
127	31.80				1.80		7.25	20.00	240.35
128	31.20						5.30	16.00	152.90
129	29.70	24.00					5.10	12.00	155.95
130	65.40				1.80		3.60	18.00	219.30
131	49.80	2.50		.70			5.50	30.00	219.30
132	26.10			1.80	7.20		9.20	70.00	284.50
133	43.30	3.00		4.00			2.70	36.00	154.80
134	37.40	7.20						30.00	249.20
135	26.00			4.00	5.00		6.60	30.00	299.20
136	26.00						3.85	20.00	170.28
137	34.20			3.60			3.45	16.00	149.65
138	32.00	1.40	.32	4.00			5.25	30.00	209.55
							.60	20.00	194.52

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued,  
D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—							
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).
139	\$2.35	\$22.00			\$2.00		\$2.10	\$18.00
140	41.10				2.00		4.20	34.00
141	27.60			\$1.20	1.80		2.40	20.00
142	13.50	12.00		3.00	3.00		1.53	25.00
143	26.00			5.76			3.10	30.00
144	25.60						3.60	6.00
145	48.40						4.60	20.00
146	41.80				2.00		3.70	30.00
147	17.20						.40	5.00
148	44.00			3.20			5.20	30.00
149	27.60						3.70	12.00
150	48.00			.64	2.00		2.40	20.00
151	78.00						5.10	20.00
152	44.00						4.00	15.00
153	47.20				2.25		4.90	20.00
154	20.80						3.90	14.00
155	21.00				2.00		6.20	14.00
156	40.50						1.60	15.00
157	29.00						2.00	10.00
158	27.00						1.80	12.00
159	44.20				1.00		4.30	12.00
160	52.80						8.20	12.00
161	52.00						3.00	20.00
162	42.00						2.10	10.00
163	35.00				1.50		2.90	12.00
164	30.00						2.60	10.00
165	54.40				3.00		3.60	15.00
166	17.20						3.05	18.00
167	33.80						2.85	25.00
168	44.40						3.60	25.00
169								300.00
170								300.00
171	24.00				12.00		5.00	57.00
172	24.00				20.00			44.00
173	36.00				12.00		12.00	15.00
174	30.00			15.00	10.00		12.00	26.00
175	25.00		\$8.00				3.00	6.00
176								360.00
177								300.00
178								660.00
179								480.00
180	48.00				12.00		8.00	30.00
181	54.00							26.00
182	24.00				25.00		12.00	30.00
183	60.00				30.00		24.00	15.00
184								360.00
185								360.00
186								300.00
187								360.00
188								384.00
189								300.00
190								360.00
191								300.00
192								300.00
193								260.00
194								300.00
195								300.00
196	36.00							20.00
197	36.00				12.00		5.00	42.00
198	60.00						18.00	54.00
199								360.00
200								240.00
201								360.00
202								300.00
203								360.00
204								960.00
205	36.00				20.00		10.00	57.00
206	27.00						12.00	12.00
207	60.00				20.00		6.00	36.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	Total food.
208	\$40.00				\$10.00		\$6.00	\$5.00	\$229.13
209	21.00	\$6.50	\$0.80	\$1.80	2.40		5.95	20.00	229.25
210	18.00				.75		6.50	15.00	204.55
211	30.00	1.25	.96	2.80	3.00			15.00	199.21
212	51.00	1.80	.80	1.80			1.50	20.00	211.40
213	18.00	14.00			3.00		4.75	20.00	243.05
214	24.00	1.00		2.50	3.00		5.50	15.00	202.10
215	14.50	1.00		.90				20.00	125.90
216	21.00	1.20		3.00				25.00	127.30
217	28.00	1.80		1.80	4.50		3.50	20.00	208.20
218	12.00	6.00					3.00	10.00	133.50
219	20.00	5.08		3.50			2.25	10.00	236.23
220	20.00	6.00	.80				1.75	12.00	181.15
221	21.80		.48		3.00		1.55	10.00	192.33
222	42.00	.90		1.96	5.75		3.75	10.00	272.16
223	73.00			3.00	4.50		7.90	20.00	314.60
224	12.00	1.40		1.60				15.00	127.90
225	20.00	1.44		4.50	2.50		16.50	25.00	216.94
226	60.00	3.00		3.00			1.50	10.00	236.30
227	112.00		1.60		2.00		13.75	30.00	855.65
228	35.00						3.40	10.00	246.40
229	15.00	.54			.50		1.55	10.00	111.34
230	36.00		1.05	1.44	2.00		1.30	10.00	234.09
231	38.00	1.50	1.60	1.25				16.00	265.65
232	18.00				1.00		1.60	5.00	129.90
233	43.00			3.00	1.20		7.80	18.00	334.40
234	21.00	.90						12.00	153.30
235	49.00	1.80		2.25			4.70	15.00	311.35
236	21.20	1.26					1.20	20.00	216.15
237	27.00				1.00		3.25	12.00	173.55
238	22.40	17.60		1.95			4.05	20.00	210.60
239	84.00	.90		1.80	4.00		4.70	12.00	351.60
240	92.00	1.80		1.92	2.00			10.00	369.57
241	28.50						3.00	12.00	186.80
242	85.00	1.08	2.80	1.40	8.00			20.00	352.58
243	43.00			1.80	2.00		1.50	15.00	267.00
244	20.00		1.05		5.75		2.88	12.00	184.18
245	52.24	1.08		1.60			5.35	10.00	281.97
246	70.00		1.40	1.50	7.00		.75	20.00	324.85
247	51.00						2.75	10.00	249.95
248	86.00			2.52	3.66		2.50	20.00	394.38
249	20.00	1.80	1.40		4.70		3.75	12.00	228.15
250	36.50	1.20		1.20			.75	12.00	251.85
251	42.50	1.20		.90	3.00			12.00	252.60
252	25.00		2.40	1.80	6.00		1.50	15.00	184.48
253	56.00				3.00		8.35	15.00	292.15
254	29.25	1.35		1.75			5.00	12.00	216.35
255	29.50	1.26	1.40	2.50			6.70	20.00	233.36
256	12.50	1.60		1.70			.90	16.00	168.10
257	70.00	.90		3.00				20.00	265.50
258	26.00	.90		2.70			6.00	12.00	176.20
259	108.00	1.00		3.75	3.00		.80	12.00	361.35
260	18.00	9.08					2.35	10.00	196.23
261	92.00	6.00		4.50	7.50		15.75	20.00	593.85
262	20.00	.90	.70	2.50	4.00		4.20	25.00	290.60
263	50.50						6.50	10.00	292.50
264	41.00				7.00		4.00	16.00	225.40
265	30.00	2.56				\$2.00	12.60	6.00	265.66
266	23.60				5.00			17.00	193.85
267	15.25	1.60		4.20		1.50	8.00	4.00	205.65
268	39.15				9.50			24.00	305.23
269	31.20		8.32		15.00	10.40	10.00	10.60	328.94
270	46.57				15.00			24.00	358.01
271	18.00	2.00			8.00		5.00	25.00	210.90
272	60.00	8.32			30.00	1.00	8.00	23.20	478.34
273	35.00				10.25		4.50	18.00	299.95
274	30.00				12.00		8.00	12.00	196.80
275	37.50				10.00			25.00	210.82
276	40.00				12.00		8.00	25.00	\$33.40



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
277	\$32.00	-----	-----	-----	\$7.20	-----	\$5.50	\$19.20	\$263.33
278	25.00	-----	-----	-----	4.26	-----	3.50	12.00	194.54
279	32.50	-----	-----	-----	6.40	-----	4.50	12.60	270.59
280	30.00	-----	-----	-----	10.00	-----	8.00	24.00	262.65
281	35.00	-----	-----	-----	7.60	-----	9.50	24.00	291.77
282	22.50	-----	-----	-----	3.50	-----	-----	12.00	152.35
283	14.40	\$12.00	-----	-----	8.00	-----	-----	12.00	167.60
284	35.00	4.40	-----	-----	21.80	\$2.25	2.70	7.25	269.37
285	24.00	-----	\$3.00	-----	4.50	-----	-----	12.00	190.82
286	36.00	-----	3.00	-----	6.00	-----	-----	15.00	206.04
287	20.00	-----	-----	-----	7.00	-----	6.00	96.00	336.32
288	20.00	-----	-----	-----	2.00	-----	4.00	12.00	204.00
289	15.00	-----	-----	\$4.00	3.00	-----	7.50	6.00	106.50
290	18.00	-----	-----	-----	3.00	-----	2.00	10.00	253.85
291	15.00	-----	-----	-----	3.00	-----	2.00	9.00	109.50
292	25.00	-----	-----	-----	1.00	-----	2.00	15.00	194.50
293	35.00	-----	-----	-----	7.00	-----	10.00	20.00	320.50
294	32.00	-----	-----	-----	5.00	-----	7.00	38.50	353.40
295	24.00	-----	-----	6.00	2.00	-----	3.00	8.40	194.40
296	20.00	-----	-----	-----	2.50	-----	3.00	6.00	176.00
297	27.00	-----	-----	-----	4.80	-----	-----	19.20	190.57
298	30.00	-----	-----	-----	5.00	-----	3.00	12.00	333.60
299	20.25	-----	-----	-----	6.40	-----	5.00	17.50	201.27
300	15.00	2.80	-----	6.00	3.25	1.00	1.36	2.00	182.81
301	16.80	1.60	-----	-----	5.00	1.00	7.80	2.00	142.12
302	9.50	2.72	-----	-----	2.50	.85	8.00	2.00	133.54
303	28.00	2.56	-----	-----	-----	1.15	10.84	3.50	204.32
304	23.75	2.08	-----	-----	-----	1.75	11.60	5.00	261.78
305	48.00	3.20	-----	6.00	5.00	2.00	11.60	3.00	262.30
306	10.50	-----	-----	3.60	-----	1.00	6.00	4.00	155.51
307	11.88	-----	-----	4.50	7.80	1.00	6.00	3.00	175.65
308	15.00	1.20	-----	-----	-----	.75	7.00	4.00	204.80
309	33.75	-----	-----	-----	6.75	-----	7.25	18.00	283.90
310	22.50	-----	-----	-----	5.00	-----	-----	12.00	167.74
311	31.25	-----	-----	-----	5.00	-----	-----	12.00	130.45
312	32.50	-----	-----	-----	4.80	-----	-----	14.50	208.70
313	32.50	-----	-----	-----	4.50	-----	-----	13.25	201.80
314	36.00	-----	-----	-----	9.60	-----	-----	25.00	282.00
315	20.00	-----	-----	-----	8.00	-----	-----	15.00	173.55
316	27.50	-----	-----	-----	6.00	-----	3.00	5.00	161.90
317	30.00	-----	-----	-----	8.50	-----	6.75	25.00	199.85
318	30.00	-----	-----	-----	8.00	-----	5.00	16.00	191.00
319	30.00	-----	-----	-----	5.00	-----	4.50	14.50	302.75
320	25.00	-----	-----	-----	4.20	-----	-----	20.00	158.30
321	27.00	-----	-----	-----	3.00	-----	-----	7.20	118.35
322	30.00	-----	-----	-----	10.00	-----	-----	20.00	245.40
323	30.65	-----	-----	-----	4.20	-----	-----	10.00	210.85
324	30.00	2.56	-----	2.00	6.00	1.50	-----	1.00	107.23
325	32.40	-----	-----	-----	7.80	-----	-----	20.00	239.07
326	40.50	-----	-----	-----	10.00	-----	-----	21.00	226.05
327	24.30	-----	-----	-----	10.00	-----	-----	24.00	223.06
328	35.10	-----	-----	-----	9.50	-----	-----	24.80	231.28
329	21.60	-----	-----	-----	10.50	-----	-----	18.00	177.24
330	27.00	-----	-----	-----	6.80	-----	-----	21.00	185.60
331	37.40	-----	-----	-----	6.40	-----	-----	22.50	250.59
332	40.50	-----	-----	-----	9.40	-----	-----	17.00	257.20
333	21.60	-----	-----	-----	9.80	-----	-----	10.00	159.73
334	37.12	-----	-----	-----	10.00	-----	-----	25.00	261.17
335	40.50	-----	-----	-----	12.50	-----	-----	25.00	311.85
336	44.55	-----	-----	-----	5.00	-----	-----	22.00	288.50
337	38.47	-----	-----	-----	9.75	-----	-----	25.00	289.32
338	40.50	-----	-----	-----	12.00	-----	-----	30.00	393.55
339	35.10	-----	-----	-----	10.00	-----	-----	20.00	272.87
340	37.26	-----	-----	-----	8.40	-----	-----	12.00	225.91
341	12.00	3.20	-----	3.96	5.20	1.15	1.40	2.00	138.42
342	30.00	1.20	-----	-----	3.60	1.30	-----	.75	183.98
343	30.00	-----	-----	4.90	6.50	1.25	11.40	-----	144.78
344	25.00	-----	-----	2.80	2.40	1.15	1.20	3.25	156.70
345	30.00	-----	-----	3.85	6.30	2.00	8.00	-----	465.37

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
346	\$23.50								
347	36.25					\$2.00	\$10.00	\$3.00	\$263.75
348	25.00				\$4.00		6.00	20.00	275.40
349	30.00				8.00		6.40	15.00	223.22
350	27.50				6.60		5.00	25.00	257.68
351	32.50				6.00		5.00	18.00	199.58
352	48.00		\$3.00		4.89			12.00	272.94
353	39.00				8.50		2.00	24.00	375.30
354	31.05				6.50		4.50	42.00	339.25
355	32.40				7.50			17.50	261.20
356	37.80				8.40			16.25	243.80
357	24.60				12.00			23.00	278.69
358	33.75				8.40			19.20	217.77
359	45.90				12.00			18.00	304.37
360	21.60				15.00			35.00	344.37
361	40.50				7.50			20.00	157.62
362	35.10				8.00			18.50	287.70
363	15.55		.80		8.25			24.00	257.43
364	20.00				10.67	4.75	13.00	4.25	219.03
365	36.00				20.00		3.50	20.00	152.00
366	24.00							20.00	284.85
367	33.50					2.50		20.00	231.75
368	29.00							42.32	233.22
369	31.20					1.25	8.53	38.75	104.40
370	55.20							16.82	269.67
371	18.75							25.00	253.45
372	55.60				15.00			15.50	239.27
373	55.20				20.00		3.00	61.50	312.53
374	23.25							18.05	296.18
375	14.45							25.00	157.75
376	30.00				15.00	6.00		18.75	105.00
377	55.20					3.50	20.00	38.00	127.00
378	24.00							48.60	348.50
379	24.00							36.00	231.75
380	18.00							24.00	180.50
381	23.40							25.00	190.45
382	16.00				8.55		6.00	22.00	198.03
383	20.00	\$1.80		\$3.20			7.50	12.00	140.70
384	19.60	2.40		4.00	4.15		7.30	65.00	298.66
385	17.20	1.80		4.00	4.15		7.35	53.00	261.97
386	12.00	1.00		2.50	4.50		7.70	60.00	300.39
387	14.20	1.80		3.00	2.50		5.70	38.00	209.90
388	19.20	2.75		3.60	4.50		3.35	50.00	204.97
389	19.52	2.40		4.00	4.50		6.73	62.00	298.13
390	15.80	1.75		3.00	7.50		7.70	75.00	354.61
391	15.68	2.40		3.20	4.00		4.52	35.00	209.73
392	18.48	1.50		3.20	3.20		5.70	48.00	240.56
393	18.48	1.20		3.00	4.00		3.89	45.00	249.78
394	16.00	1.00		2.40	3.28		5.39	45.00	257.23
395	75.00	12.00	3.00	3.20	3.25		4.18	48.00	234.61
396	33.40		1.00	4.00	39.00	12.20	10.00	19.00	553.70
397	40.00		2.00		20.50	3.75	4.00	8.50	259.40
398	30.50	3.00		2.00	2.00	1.00	.75	7.75	207.10
399	38.40	3.00	.50	6.00	18.00	4.75	3.00	17.00	248.85
400	17.80	.50	1.00	4.00	29.00	14.15	12.00	39.00	383.05
401	56.40	1.00	6.00	1.50	18.50	2.95		5.00	160.20
402	34.20	1.00	3.00	2.00	25.00	6.45	6.00	9.00	300.95
403	19.80	5.00		.50	12.00	2.50	2.00	1.50	187.80
404	71.20	3.00	3.00	1.00	11.00	1.50	6.00	7.00	178.40
405	27.50	.50		3.00	22.40	5.10	6.00	13.00	305.00
406	62.40	1.00	3.00	1.00	12.80	4.60	5.00	12.00	227.10
407	20.20	3.00		6.00	16.50	1.75	4.00	10.80	258.70
408	39.60	13.00	3.00	1.00	15.50	2.40	3.00	3.00	200.65
409	28.00	3.00	1.00	6.00	21.00	11.00	12.00	18.00	336.85
410	21.30	3.00	.25	1.00	11.00	1.95		6.00	200.45
411	36.00	6.00	3.00	1.00	18.00	4.80	6.00	28.00	203.27
412	32.90		1.00	.50	19.00	5.60	13.00	16.00	324.20
413	25.00		3.00	1.00	11.50	3.20	6.00	12.00	267.00
414	38.00			1.50	17.50	3.65	6.00	8.00	262.75
					3.75			22.00	223.40

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (notspec- ified).	Food (notspec- ified).	Total food.
415	\$28.00	-----	-----	-----	\$6.50	\$4.40	\$5.00	\$8.00	\$216.90
416	22.00	\$1.00	\$1.00	-----	7.50	2.20	3.00	10.00	234.95
417	30.00	6.00	-----	\$2.00	15.00	8.00	5.00	8.00	273.30
418	70.60	-----	.50	6.00	9.50	3.00	6.00	9.20	369.75
419	35.40	12.00	-----	.50	16.00	1.60	6.00	9.00	257.90
420	19.10	4.00	-----	2.60	1.80	1.50	1.00	1.95	114.20
421	26.00	4.00	1.00	1.50	4.50	2.20	13.00	11.50	211.80
422	45.00	-----	2.00	1.00	8.50	3.55	5.00	5.50	238.25
423	20.52	1.56	-----	3.60	4.00	-----	4.68	48.00	254.12
424	19.24	1.32	-----	4.20	4.00	-----	3.91	46.00	236.52
425	16.00	1.20	-----	2.60	2.40	-----	3.88	50.00	229.51
426	20.00	1.55	-----	2.80	4.00	-----	4.40	46.00	250.52
427	20.48	1.20	-----	2.40	3.20	-----	3.35	46.00	226.60
428	21.28	2.00	-----	3.60	4.80	-----	4.86	53.00	269.35
429	20.24	1.68	-----	3.20	2.40	-----	3.90	42.00	218.97
430	16.48	1.20	-----	2.40	3.20	-----	4.28	41.00	223.98
431	18.00	1.00	-----	4.20	4.80	-----	5.12	45.00	240.72
432	16.40	1.00	-----	2.00	3.20	-----	3.00	53.00	230.22
433	15.44	1.20	-----	2.00	2.40	-----	3.67	40.00	220.24
434	18.12	1.50	-----	3.00	4.80	-----	4.80	50.00	229.74
435	24.40	1.92	-----	4.00	4.80	-----	6.23	55.00	314.65
436	18.16	1.44	-----	2.00	3.20	-----	4.20	46.00	243.82
437	50.50	-----	2.00	1.00	9.50	4.00	3.50	16.00	288.15
438	15.00	-----	.50	1.00	7.10	7.85	1.00	9.40	189.55
439	45.80	-----	1.50	-----	0.00	6.05	4.00	8.40	209.55
440	30.00	2.00	3.00	2.00	21.00	8.60	12.00	18.00	278.50
441	34.60	3.00	5.00	-----	19.00	8.60	1.00	7.00	207.70
442	38.05	2.40	.50	.70	12.50	4.25	4.00	9.50	194.20
443	36.00	12.00	1.50	6.00	18.00	5.60	4.00	12.00	294.30
444	45.60	3.00	6.00	6.00	22.00	12.05	5.00	16.00	248.65
445	66.40	-----	12.00	1.00	13.00	3.80	6.00	6.50	301.70
446	16.20	5.00	2.00	3.00	5.00	3.60	1.00	4.00	179.85
447	21.80	3.00	1.00	.50	7.90	3.00	1.00	7.00	213.55
448	24.80	2.00	1.00	2.00	17.70	5.30	3.00	16.00	178.00
449	35.40	3.00	3.00	2.00	20.00	4.00	13.00	14.00	311.70
450	15.50	2.50	5.00	3.00	7.25	1.20	.25	6.37	154.47
451	34.40	3.00	2.00	-----	10.10	4.40	2.00	18.00	223.90
452	34.10	1.00	3.00	-----	11.00	2.60	8.00	9.00	274.15
453	21.50	4.00	.50	3.00	21.50	8.80	12.00	16.10	228.30
454	30.00	-----	.50	1.50	3.25	3.10	2.00	2.00	138.75
455	34.60	2.50	1.50	2.00	17.00	4.00	3.00	14.00	247.70
456	19.15	3.00	3.00	.25	13.00	2.80	12.00	16.00	224.50
457	58.50	3.00	1.00	-----	21.00	4.55	13.00	20.00	248.05
458	46.50	5.00	1.00	1.00	11.00	3.35	8.00	16.00	234.85
459	33.40	4.00	1.00	1.00	9.50	3.60	6.00	15.00	211.30
460	48.25	6.00	1.00	1.00	14.00	6.40	13.00	20.00	340.65
461	42.00	3.00	3.00	3.00	13.00	4.15	-----	13.00	262.30
462	17.70	-----	3.00	.50	8.50	2.60	3.00	2.00	167.50
463	32.20	1.00	1.00	-----	9.00	4.60	9.00	16.25	223.05
464	24.30	-----	-----	1.00	5.50	1.90	5.00	9.90	248.70
465	40.00	6.50	6.50	-----	29.00	6.00	6.00	6.20	278.55
466	29.00	12.00	1.00	1.00	19.00	3.60	3.00	23.00	274.15
467	75.90	3.60	.25	1.00	6.00	4.55	3.00	19.00	523.50
468	35.00	1.00	3.00	.50	10.00	3.60	6.00	8.00	188.30
469	22.00	3.00	3.00	1.00	12.00	4.90	7.50	8.00	229.40
470	17.50	-----	-----	-----	4.50	1.50	-----	2.80	144.80
471	31.70	5.00	.25	10.00	11.00	6.00	3.00	5.00	190.95
472	34.80	-----	1.00	1.00	15.50	6.40	8.00	13.00	301.50
473	55.00	3.00	1.00	1.00	19.50	2.95	5.00	17.00	246.80
474	36.50	3.00	5.00	2.00	12.00	2.60	9.00	9.00	219.60
475	70.20	3.00	.50	1.00	31.00	10.60	6.50	18.00	423.60
476	31.20	1.00	1.00	5.00	16.50	4.90	6.00	6.00	189.60
477	23.40	3.00	1.00	1.00	13.00	3.60	4.00	9.00	248.00
478	64.80	3.00	3.00	1.00	13.00	11.50	12.00	10.00	413.20
479	48.50	1.50	6.00	-----	13.00	4.25	3.00	14.00	200.95
480	61.50	-----	-----	-----	15.50	5.25	-----	7.50	211.25
481	23.90	-----	3.00	2.00	21.00	5.30	9.00	17.50	220.56
482	16.00	7.50	-----	-----	18.50	3.40	6.00	49.00	203.70
483	33.40	1.00	-----	.50	15.00	3.10	2.00	4.00	222.20



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
484	\$16.70	\$3.00	\$0.50	\$2.00	\$18.00	\$1.75	\$3.00	\$10.00	\$233.05
485	32.40	.75			18.00	8.25		2.50	139.50
486	19.80	3.00	3.00	2.00	23.00	4.60	6.00	15.50	206.65
487	67.60			13.00	40.00	7.45	12.00	17.00	537.45
488	23.00	3.00	2.00	6.00	19.00	6.50	6.00	8.50	166.00
489	46.20	4.00	1.00	.50	21.00	2.50	6.00	16.00	286.60
490	34.20	2.00	2.00	1.00	13.00	3.40		4.00	194.00
491	33.60	3.00	3.00	.50	10.85	1.70		5.00	174.63
492	58.20	1.00	3.00	15.00	20.00	8.05	3.50	4.00	351.65
493	70.20	1.00	.50		2.50	2.25		10.00	242.85
494	27.00	1.00	1.00	1.00	7.00	3.90	2.00	5.00	207.50
495	36.00	3.00	1.00	3.00	15.60	3.85	3.00	4.00	194.10
496	61.00	10.00		6.00	22.00	4.80	6.00	14.00	313.40
497	5.20		1.50		6.40	2.10	3.00	198.00	280.70
498	24.80	3.00	.50	.50	12.00	4.00	6.00	13.00	221.30
499	46.00	3.00	1.00	2.50	23.00	6.60	6.60	8.00	343.10
500	33.60				15.00	1.50	5.00	43.00	338.40
501	36.40	3.00	6.00	6.00	7.50	6.30	5.00	7.00	293.20
502	22.50	1.00	.50	2.00	12.00	3.40		11.00	188.90
503	30.50	.50	1.50	.50	11.00	4.50	6.00	16.00	243.50
504	43.00	12.00	3.00	6.00	42.00	11.85	12.00	18.00	496.85
505	64.40	1.50	5.00	5.00	30.00	10.05		18.00	442.75
506	32.40		1.00	1.50	10.50	5.10	6.00	16.00	232.40
507	59.80		3.00	3.00	11.00	2.65		2.80	187.25
508	52.80		3.00	6.00	25.00	7.25	6.00	127.00	320.85
509	34.20	5.00	6.00	3.00	15.50	8.80	4.00	6.60	251.40
510	18.90	1.50			9.50	3.15		142.50	284.35
511	30.00		4.00		5.00	3.80	6.00	61.00	218.50
512	28.00	6.00		2.00	11.00	2.65	6.00	30.50	212.15
513	34.60		1.00	1.00	13.00	1.90	2.00	12.00	224.25
514	31.20		3.00		8.60	1.40		2.50	145.80
515	34.10	2.00	2.00	1.50	12.00	5.00	8.00	4.00	215.80
516	42.50	4.00	1.00	1.50	27.00	4.55	12.00	65.00	282.05
517	20.20	3.00	.25	1.00	22.20	3.40	10.00	6.00	170.75
518	33.00	1.50	1.00	1.00	20.50	3.60	3.00	16.00	258.30
519	39.10		1.50	2.00	14.00	3.90	6.00	8.00	282.80
520	21.10		1.00		13.00	3.40	3.00	5.00	185.40
521	41.00		3.00	1.00	8.50	3.40	3.00	7.00	229.10
522	49.60		3.00	3.00	12.00	3.30	6.00	21.00	253.20
523	86.00	1.00	3.00	9.00	21.00	4.05	9.00	31.00	436.65
524	16.10	1.00	.50	2.00	11.50	1.40	6.00	5.50	123.40
525	18.70	3.00		1.00	11.00	2.10	5.00	8.50	164.00
526	18.00	1.00	.25		12.50	3.15	3.00	1.00	143.85
527	48.60	3.00	3.00	3.00	21.00	5.05	3.00	45.00	271.45
528	66.00	3.00	1.00	1.00	25.00	6.05	6.00	12.50	228.15
529	10.00	13.60	.50	.50	2.00	1.20		1.50	91.00
530	22.80		2.00	1.50	15.00	3.90	12.00	15.40	166.60
531	31.00	8.00	1.00	12.00	21.00	6.50	10.00	13.00	234.40
532	18.00		1.00	.75	4.50	1.40		3.90	120.75
533	54.00		3.00	4.00	12.00	5.20		15.00	196.20
534	36.40		3.00	1.50	6.00	4.35		3.00	147.05
535	43.00	3.00	3.00	3.00	23.00	5.80	10.00	17.00	295.60
536	34.10	6.00	3.00	.50	14.50	3.00	9.00	16.00	258.50
537	22.40	12.00	.50	2.00	17.00	4.25	6.00	13.00	227.95
538	71.50	1.00	6.00	1.50	11.00	2.85	4.00	4.50	275.05
539	71.20	1.50	3.00	3.00	12.50	5.55	9.00	11.00	247.25
540	8.50	52.00	3.00		22.20	5.90	6.00	8.50	293.37
541	26.10	1.00	3.00	1.00	17.10	3.00	6.00	6.00	237.00
542	17.00	.75	1.00	.25	11.00	3.70	6.00	6.75	163.15
543	19.00	2.00	2.00	1.00	9.00	4.50	4.00	16.00	189.80
544	48.60		3.00	1.00	28.00	4.20	12.00	25.00	363.20
545	35.50				14.00	2.90	6.00	15.00	215.00
546	40.80	3.00	4.00		23.00	5.30		16.50	263.30
547	5.40	52.00	1.50		8.00	1.75	3.00	4.50	177.35
548	51.40	8.00	6.00	6.00	33.00	8.55	9.00	10.00	501.15
549	52.40	7.00	6.00	3.00	20.00	4.70	6.00	16.00	341.10
550	52.20	3.00	3.00	1.00	29.00	9.40	4.00	14.00	341.70
551	37.40	3.00	3.00	1.00	10.50	3.90	3.00	7.00	222.20
552	30.00	1.00	1.50	1.00	16.00	3.75		6.00	294.17

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Budget number.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).	
553	\$33.20	\$3.00	\$3.00	\$1.00	\$9.00	\$4.30	\$6.00	\$6.50	\$251.00
554	35.40	24.00	3.00	3.00	17.00	6.60	6.00	3.00	319.95
555	34.60	6.00	3.00	1.00	22.60	8.20	10.00	6.60	312.45
556	16.75	.....	1.00	.60	5.25	1.85	5.00	4.50	114.90
557	16.80	1.50	1.50	.50	4.50	1.30	1.00	5.00	63.15
558	20.00	.....	3.00	.....	13.00	6.00	6.00	19.00	193.60
559	23.40	3.00	3.00	1.00	10.00	6.00	6.00	9.00	214.80
560	78.80	12.00	6.00	3.00	27.00	7.15	12.00	13.00	470.15
561	42.00	12.00	1.50	5.00	44.00	8.55	12.00	19.00	470.05
562	19.80	5.00	1.00	.50	19.00	3.90	6.00	7.00	259.00
563	70.40	6.00	6.00	12.00	34.00	6.05	14.00	14.00	362.25
564	16.80	2.00	.....	3.00	3.20	.....	6.30	55.00	260.91
565	16.75	1.50	2.60	.25	8.50	4.20	4.00	10.00	184.80
566	27.60	13.00	.....	6.00	31.50	5.90	5.00	13.00	290.00
567	25.60	2.00	3.60	2.00	8.50	4.70	6.00	7.00	269.20
568	33.65	.....	3.00	.50	8.20	5.40	5.00	10.50	246.05
569	34.90	3.00	3.00	2.00	15.00	8.15	6.00	5.20	246.15
570	67.60	.....	6.00	6.00	13.00	7.35	3.00	13.50	304.55
571	39.00	.....	1.50	16.00	5.00	3.95	5.00	7.50	350.55
572	17.24	1.80	.....	3.20	2.40	.....	3.87	40.00	216.51
573	19.20	3.00	1.00	1.00	8.00	2.20	3.00	7.50	156.00
574	37.70	.....	.20	.75	4.00	1.25	.....	10.00	210.40
575	30.40	1.00	.....	6.00	8.00	1.60	5.00	4.00	144.80
576	36.00	3.00	1.00	.....	11.00	5.65	4.00	4.30	146.55
577	71.20	5.00	3.00	24.00	15.00	7.40	13.00	14.00	353.05
578	78.00	.....	.....	2.00	6.00	1.80	6.50	5.60	295.50
579	65.50	1.00	3.00	.....	6.50	5.15	3.50	4.20	234.40
580	38.80	2.00	3.00	2.00	17.20	1.85	6.00	11.00	236.65
581	62.40	1.50	1.00	1.00	13.00	1.60	6.00	13.00	251.60
582	30.80	1.00	1.00	.....	11.00	3.00	6.00	4.00	207.20
583	18.90	1.00	1.50	1.00	8.50	2.75	2.00	.50	163.55
584	72.00	.....	1.50	6.00	10.00	3.35	6.00	17.00	268.20
585	48.00	.....	.....	.....	.....	.....	.....	50.00	430.10
586	22.50	.....	.....	.....	15.00	2.85	.....	7.25	287.60
587	.....	.....	.....	.....	6.00	.....	.....	167.00	233.00
588	.....	12.00	.....	.....	14.40	.....	.....	254.00	356.00
589	62.00	.....	.....	.....	12.00	.....	22.00	30.00	262.00
590	.....	.....	.....	.....	4.00	.....	.....	105.00	172.50
591	38.00	.....	.....	.....	3.00	.....	.....	15.00	112.25
592	70.00	.....	.....	.....	.....	.....	18.00	10.00	287.37
593	28.50	.....	.....	.....	.....	.....	20.00	15.00	185.25
594	68.30	.....	.50	2.00	6.00	3.65	.....	10.80	201.25
595	19.60	.....	.50	1.00	4.00	2.20	1.75	1.40	105.29
596	36.40	.....	3.00	.....	.....	2.25	.....	4.00	125.65
597	24.40	7.00	2.00	4.00	13.00	4.60	5.00	10.00	242.50
598	38.80	1.00	.25	4.00	15.00	2.00	3.00	1.50	157.15
599	68.20	.....	1.50	1.00	4.00	2.30	.....	2.00	223.80
600	45.00	.....	.....	.....	.....	.....	.....	17.00	266.92
601	22.50	.....	.....	.....	.....	.....	.....	40.00	194.75
602	42.00	.....	.....	.....	.....	.....	12.00	44.00	317.40
603	34.00	.....	.....	.....	3.00	.....	6.00	3.50	329.62
604	16.00	1.92	.....	4.00	3.20	.....	6.25	50.00	252.70
605	16.80	1.50	.....	2.00	2.50	.....	4.30	45.00	229.42
606	15.20	1.56	.....	1.80	2.45	.....	4.62	45.00	210.43
607	15.68	2.00	.....	2.00	2.50	.....	5.64	30.00	225.86
608	16.80	1.90	.....	3.00	2.50	.....	5.86	55.00	247.42
609	15.68	1.80	.....	2.00	3.40	.....	3.60	38.00	194.72
610	18.48	1.00	.....	2.00	3.50	.....	4.66	56.00	274.54
611	23.25	.....	6.00	1.00	17.00	3.40	6.00	7.00	236.05
612	61.50	3.00	.....	2.00	8.00	3.15	3.00	6.00	200.35
613	40.70	8.00	.....	10.00	18.00	3.75	3.00	7.60	322.75
614	55.20	5.00	3.00	8.00	13.00	5.30	6.00	13.00	433.10
615	37.20	.....	3.00	1.50	19.00	6.00	6.00	16.40	355.25
616	37.80	3.00	1.00	.....	7.00	2.20	3.00	7.00	245.24
617	74.05	12.00	1.00	1.00	11.50	3.20	7.50	11.00	409.15
618	73.30	2.00	.....	3.00	21.00	6.00	4.00	13.00	489.30
619	44.50	2.00	3.00	.....	13.00	5.80	3.50	13.20	326.10
620	25.00	1.00	1.00	2.00	6.00	1.80	4.00	7.00	181.30
621	51.90	1.00	1.00	4.00	5.50	3.15	4.00	4.30	210.60

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

**D.—EXPENDITURE FOR FOOD. (3.)—Continued.**

Budget num. bar.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).	
622	\$16.00			\$1.00	\$7.30	\$7.80	\$6.50	\$14.50	\$187.04
623	19.50		\$6.50		6.00	1.40	3.50	3.00	185.80
624	16.52	\$1.68		3.20	2.60		6.28	51.00	240.92
625	18.48	1.00		2.00	3.20		4.04	45.00	208.23
626	34.60	1.00	.50	1.50	9.50	.90	6.50	2.00	200.60
627	96.40	1.00		18.00	21.00	10.40	30.00	26.80	716.80
628	25.00	2.00	.50	2.00	25.00	5.10		15.00	228.80
629	26.00		1.00	1.00	12.50	3.10	4.00	8.00	181.70
630	32.00	.75	3.00	2.00	8.00	5.00	4.00	14.00	216.81
631	33.00				7.00	1.00		6.60	184.90
632	72.00		1.00	1.00	13.75	5.15	4.00	12.00	299.10
633	37.00	4.00	1.00	1.00	10.00	1.80	3.00	6.00	240.60
634		126.20			8.00	3.40	10.00	6.00	426.20
635	33.40	1.00	3.00		10.00	2.90	4.00	12.00	280.80
636	83.50	3.00	6.00	8.00	19.50	4.05	13.00	9.60	402.25
637	78.00		6.50	2.00	48.00	3.45	18.00	20.00	442.80
638	17.90	1.00	1.00		9.00	2.50	10.00	9.50	223.70
639	67.00	5.00	.50	2.00	9.00	5.05	3.00	9.00	334.45
640	18.00		.50	.50	8.50	1.60	3.00	8.00	189.50
641	24.20	5.00	1.00	1.50	13.50	3.50	4.00	5.00	215.90
642	28.00	6.00			1.00	2.80	3.00	21.00	224.60
643	30.00	3.00	.50	1.00	6.00	7.00	15.00	4.00	267.70
644	17.90	2.00	.50	1.00	7.50	1.80	6.50	16.00	187.00
645	78.00	8.00	6.00	10.00	20.00	6.75	7.50	22.00	450.75
646	68.00		2.00	4.00	10.00	1.65	3.00	7.00	238.25
647	61.00	20.00	1.00	1.00	17.50	3.05	10.00	8.50	349.75
648	51.00	6.00	3.00	3.00	10.00	4.15	3.00	23.00	260.55
649	42.00		3.00	1.00	9.00	3.85	6.00	9.00	204.45
650	36.00	3.00		1.00	19.00	1.30	6.00	14.00	266.30
651	72.50	4.00	2.00	4.00	25.00	7.25	6.00	17.00	287.95
652	79.20	1.00	3.00	1.00	15.00	3.30		10.00	305.15
653	41.00	3.00	4.00	3.00	16.00	3.60	7.50	10.00	224.20
654	68.20	12.00	8.00		24.00	6.80	3.00	18.00	378.00
655	98.00		20.00	2.00	41.00	15.75	12.00	28.00	552.25
656	30.00		3.00	1.00	10.00	6.40	3.00	12.00	250.10
657	63.00	2.00	3.00	.50	17.00	7.25	6.00	17.00	266.95
658	63.00		3.00	2.00	6.00	1.85		4.00	184.85
659	46.40	1.00	1.00		4.50	2.75	4.00	7.00	202.15
660	49.50		.50	1.00	18.00	3.65	3.00	7.00	284.45
661	40.20	3.00	.50	1.00	15.00	3.60	6.00	9.00	277.20
662	55.00	1.00	1.50		8.50	6.15	2.00	43.00	231.95
663	55.00	12.00	1.00	6.00	21.00	6.85	5.00	66.00	412.85
664	46.00		3.00		12.00	3.20	6.00	17.00	315.40
665	73.00	6.00	2.00	2.00	18.00	4.25	2.00	83.00	368.15
666	73.00		6.00		12.00	4.80	10.00	27.00	502.80
667	51.00	2.00	1.50	3.60	14.00	5.75	6.00	72.20	284.65
668	50.40	6.00	3.50	4.00	17.00	9.05	5.00	46.00	332.75
669	67.60		.50		9.00	1.70		26.00	428.80
670	27.00	3.00		3.00	6.00	3.15		.50	167.15
671	14.60	1.20		3.80	2.60		7.97	52.00	212.95
672	16.80	2.40		4.00	4.95		5.05	58.00	289.01
673	22.00	1.00		2.60	3.25		3.20	42.00	207.70
674	15.00		.50	10.00	12.00	2.60	5.00	6.90	170.90
675	62.00		6.00	5.00	20.00	8.95	6.00	12.00	368.95
676								192.00	192.00
677								240.00	240.00
678								264.00	264.00
679								144.00	144.00
680								120.00	120.00
681								216.00	216.00
682								144.00	144.00
683								144.00	144.00
684								600.00	600.00
685								120.00	120.00
686								360.00	360.00
687								360.00	360.00
688								120.00	120.00
689								192.00	192.00
690								800.00	800.00



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
691								\$120.00	\$120.00
692								216.00	216.00
693								240.00	240.00
694								260.00	260.00
695								360.00	360.00
696								360.00	360.00
697								240.00	240.00
698	\$41.10				\$5.00		\$7.80	20.00	147.35
699	24.90				6.00		4.20	20.00	163.50
700	14.50				1.00		5.30	15.00	118.70
701	36.00						3.20	20.00	167.70
702	43.60						5.95	20.00	205.85
703	49.50				7.00		3.00	16.00	189.65
704	52.50						6.75	35.00	196.70
705	29.80				6.00		3.50	18.00	173.40
706	55.00		\$0.48		2.00		2.60	15.00	206.33
707								860.00	360.00
708								144.00	144.00
709								120.00	120.00
710								144.00	144.00
711								144.00	144.00
712								96.00	96.00
713								240.00	240.00
714								120.00	120.00
715	30.80				2.00		3.30	15.00	178.90
716	38.90						2.60	25.00	215.00
717	20.10				2.00		4.45	20.00	140.95
718	41.50			\$1.00	6.00		3.00	20.00	192.20
719	25.50				4.00		2.60	12.00	105.25
720	41.70				5.00		11.00	12.00	225.80
721	35.40				3.00		.80	15.00	152.75
722	27.10						3.40	12.00	132.20
723	43.10						9.20	18.00	183.20
724	17.10		.25		2.00			10.00	129.35
725	97.20			1.80	5.00		7.90	40.00	408.90
726	42.45			1.80	4.00		6.15	20.00	264.80
727	94.20			2.00	7.00	\$4.20	13.00	24.60	313.20
728	46.25		1.00		5.00	3.30	20.00	15.00	227.25
729	34.50		1.00	.50	3.00	1.75	10.00	4.35	141.60
730	45.60		1.00		7.00	2.50	6.50	7.20	120.00
731	74.40		3.00	1.00	5.00	3.20	6.50	10.00	240.50
732	22.00				1.00	1.40		5.00	122.80
733	66.00		1.00		5.75	2.20	13.00	3.30	219.40
734	42.60		2.00		5.00	3.10	10.00	10.50	184.80
735	75.60		1.50		4.00	4.50	10.00	15.40	250.10
736	29.30				2.00	1.40	13.00	1.70	166.20
737	22.00		1.00	.50	1.00	.80	13.00	6.60	112.55
738	73.20				7.00	4.90	13.00	15.00	302.80
739	64.95		1.00		5.00	1.80	6.50	14.00	207.55
740	42.20				2.00	1.40	6.00	7.00	121.90
741	23.80			1.00	3.00	1.15	3.00	5.00	137.25
742	35.70			.50	2.50	2.15	6.50	7.00	154.65
743	64.80		2.00		5.50	2.85	15.00	8.50	224.30
744	23.80			1.00	3.00	2.20	6.50	6.00	113.50
745	25.60		1.00		3.00	2.20	6.50	8.00	125.55
746	63.70		1.00	1.00	1.50	2.90	6.50	2.00	200.24
747	23.20		.50	.50	1.50	1.35	5.20	6.00	102.75
748	69.60				1.50	3.40	3.00	14.00	205.00
749	38.70		2.00		6.00	2.00	13.00	3.60	218.90
750	24.60		3.00		9.00	5.80	15.00	12.00	208.60
751	33.90		.50	1.00	4.50	3.30	10.00	4.20	154.40
752	34.20		3.00	3.60	7.50	12.00	6.00	6.45	246.95
753	31.40				3.00	3.90	6.00	11.20	99.96
754	32.50				5.00	1.00	11.92	9.70	207.66
755	22.00					1.15	7.50	9.25	200.85
756	22.00	\$2.16				2.00		8.40	210.30
757	22.00					1.35	8.25	6.00	213.98
758	22.00				6.00	1.25	7.50	9.00	198.25
759	41.60			5.92		1.50	12.00	17.00	256.07

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
760	\$39.00				\$2.40		\$12.25	\$27.44	\$249.25
761	27.50				4.50	\$1.15	12.00	4.00	181.61
762	33.00					1.75	7.00	12.20	262.74
763		\$67.55							190.76
764	50.26								185.08
765	62.73								140.31
766	19.11			\$5.02		.97	5.02		96.16
767	17.37			5.02		.77	9.26		109.86
768	84.76			10.04		1.35	20.07		283.93
769		27.79		5.02					112.86
770	91.68			10.04		1.16	5.02		296.31
771	27.02					.97			140.55
772	41.69								154.78
773	48.64			2.32		1.16			157.05
774	10.46						4.87	30.66	151.83
775	6.33	12.65					4.87	24.33	159.22
776	9.73	9.73					4.87	24.33	158.90
777	18.98						7.30	9.98	200.75
778	12.65						4.87	24.33	188.42
779	12.17						6.33	32.36	175.43
780	9.49						4.87	12.41	125.33
781	9.73	19.47					4.87	48.67	242.86
782	15.09	12.65					7.30	48.67	232.27
783	21.41						7.30	9.86	190.78
784	9.12						3.65	33.93	148.09
785	6.08	18.98					4.87	30.66	166.93
786	9.73						2.43	24.33	169.60
787	12.17						7.30	2.51	132.62
788	12.17						7.30	14.36	177.87
789	12.17						4.87	5.03	139.91
790	22.38						9.73	24.33	274.62
791		37.96						19.14	172.93
792		12.65					2.11	9.73	108.03
793	25.31							10.30	104.92
794	48.67							29.20	133.86
795	12.65	12.65					3.16	9.73	139.68
796	50.61	6.33					4.22	10.83	205.90
797	24.33						7.30	13.22	211.70
798	1.70	25.31					4.87	24.33	194.27
799	20.20							9.73	143.55
800	40.39						18.98	67.65	401.55
801	19.95				6.33		12.65	25.67	269.84
802	20.89						12.65	48.67	269.90
803	44.29				12.65		18.98	79.33	438.93
804	27.38						12.65	31.31	255.26
805	23.21						4.87	19.40	258.52
806	15.60						10.54	34.96	273.62
807	20.28						8.43	53.40	292.47
808	29.15						15.82	68.13	401.65
809	41.53						18.98	97.33	484.22
810	38.81						25.31	109.98	489.28
811	17.46	25.31					6.33	40.13	284.94
812	8.52	25.31					8.43	24.62	238.22
813	9.49	25.31					6.33	14.60	233.64
814	24.00							19.10	297.10
815	9.25	25.31					9.49	34.59	241.63
816	21.08						6.33	12.20	268.39
817	18.66	9.73					12.65	48.67	248.63
818	26.00						12.65	19.93	268.76
819	13.22						3.16	19.47	205.24
820	30.78						6.33	26.56	237.01
821	38.28						25.31	24.37	389.81
822		25.31					4.22	24.33	145.97
823		50.61						9.73	201.47
824	50.61							10.46	278.81
825	19.47						3.16	14.60	114.69
826	46.39							9.63	173.08
827	37.96							6.55	147.86
828	50.61	12.65						58.40	415.83





TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Chil- dren.
1	2	\$72.00	Coal		\$10.00	Oil	24	\$4.80	\$45.00	\$25.00		\$45.00	\$4.50
2	2	72.00			42.00	Oil	36	7.20	55.00	25.00		14.00	
3	2	72.00	Coal		15.00	Oil	20	4.00	60.00	30.00		45.00	
4	2	72.00	Coal		18.00	Oil	29	4.35	40.00	25.00	\$35.00	25.00	4.50
5	2	72.00	Coal		28.00	Oil	26	5.20	00.00	25.00		60.00	
6	1	36.00	Wood		20.00	Oil	20	3.00	40.00	30.00		07.00	4.50
7	2	72.00	Wood		15.00	Oil	26	3.90	40.00	30.00	30.00	87.00	4.50
8	2	72.00	Coal		18.00	Oil	28	4.20	42.00	18.00	60.00	12.00	4.50
9	2	72.00			30.00	Oil	28	5.60	60.00	35.00	50.00	15.00	4.50
10	1	36.00	Wood		20.00	Oil	26	3.60	36.00	20.00	25.00	3.00	4.50
11	2	72.00	Coal		15.00	Oil	30	4.50	50.00	25.00		28.00	4.50
12	2	36.00	Coal		9.00	Oil	20	4.00	35.00	35.00		65.00	4.50
13	3	60.00	Coal		10.50	Oil	21	4.80	45.00	18.00	12.00	2.00	4.50
14		Free				Oil	10	2.00	35.00	16.00	30.00	1.00	8.00
15	4	72.00	Coal	2	3.00	Oil	20	4.00	36.00	15.00	56.00	2.00	4.50
16	3	48.00	Coal		9.00	Oil	50	10.00	100.00	100.00		5.00	4.50
17	3	48.00	Wood		15.00	Oil	45	9.00	40.00	20.00	35.00	23.00	4.50
18	3	48.00	Coal		10.50	Oil	16	3.20	40.00	20.00	35.00	52.00	4.50
19	2	36.00	Coal		4.50	Oil	26	5.20	30.00	32.00	30.00	30.00	
20	2	36.00	Coal		4.50	Oil	40	8.00	30.00	20.00	96.00	4.00	4.50
21	2	36.00	Coal		4.50	Oil	16	3.20	35.00	25.00		75.00	4.50
22	2	36.00	Coal		3.00	Oil	36	7.20	40.00	20.00	15.00	25.00	4.50
23	2	36.00	Coal		4.50	Oil	40	8.00	40.00	30.00	6.00		4.50
24	2	36.00	Coal		4.50	Oil	25	5.00	40.00	30.00	12.00	2.00	4.50
25	2	36.00	Coal		3.00	Oil	14	2.80	40.00	20.00	20.00	3.00	4.50
26	2	36.00	Wood		15.25	Oil	14	2.80	40.00	30.00		12.00	1.50
27	3	48.00	Coal		9.00	Oil	25	5.00	41.00	15.00		3.00	4.50
28	3	60.00	Coal		4.50	Oil	40	8.00	30.00	15.00	50.00	18.00	4.50
29	3	48.00	Coal		12.00	Oil	26	5.20	60.00	125.00		3.00	4.50
30	3	60.00	Coal		3.00	Oil	24	4.80	100.00	150.00		61.00	4.50
31	3	60.00	Coal		4.50	Oil	40	8.00	40.00	35.00		200.00	4.50
32	6	96.00	Coal	7	10.50	Oil	30	6.00	35.00	20.00	75.00	200.00	4.50
33	6	96.00	Coal		9.00	Oil	30	5.40	30.00	60.00		26.00	4.50
34	2	36.00	Coal		1.50	Oil	12	2.40	30.00	30.00		4.50	4.50
35	2	36.00	Coal		4.50	Oil	26	5.20	40.00	40.00		25.00	4.50
36	2	36.00	Coal		6.00	Oil	26	5.20	30.00	25.00		2.00	4.50
37	2	36.00	Wood		3.00	Oil	30	6.00	25.00	25.00			4.50
38	2	36.00	Coal		6.00	Oil	26	5.20	60.00	40.00		3.00	4.50
39	2	140.00	Coal		36.00	Oil	30	6.00	70.00	30.00		3.00	4.50
40	2	36.00	Coal		9.00	Oil	26	5.20	75.00	50.00		3.00	4.50
41	2	36.00	Coal		4.50	Oil	24	4.80	46.00	35.00	45.00	15.00	4.50
42	2	36.00	Coal		4.50	Oil	30	6.00	26.00	15.00	20.00	1.00	4.50
43	4	72.00	Coal		4.50	Oil	50	10.00	60.00	30.00	70.00	93.00	4.50
44	3	60.00	Coal		3.00	Oil	24	4.80	40.00	20.00	38.00	3.00	4.50
45	3	48.00	Coal	6	9.00	Oil	30	6.00	60.00	15.00	20.00	27.00	4.50
46	3	48.00	Coal		9.00	Oil	25	5.00	35.00	30.00	70.00	21.00	4.50
47	3	48.00	Coal		12.00	Oil	40	8.00	30.00	12.00	75.00	2.00	4.50
48	2	36.00	Coal	4	6.00	Oil	35	7.00	40.00	30.00		67.00	4.50
49	5	36.00	Coal		1.50	Oil	40	8.00	65.00	40.00		90.00	3.50
50	2	36.00	Coal		4.50	Oil	20	4.00	40.00	40.00		2.00	7.00
51	3	48.00	Coal	2	3.00	Oil	40	8.00	60.00	30.00	60.00	3.00	4.50
52	2	36.00	Wood		16.00	Oil	20	4.00	30.00	20.00	20.00	2.00	4.50
53	2	36.00	Coal		3.00	Oil	20	4.00	40.00	15.00	45.00	12.00	
54	2	36.00	Coal		4.50	Oil	24	4.80	50.00	25.00	12.00	2.00	4.50
55	2	36.00	Coal		4.50	Oil	20	4.00	30.00	16.00	25.00	4.00	4.50
56	2	36.00	Coal		3.00	Oil	24	4.80	30.00	50.00	15.00	2.00	4.50
57	2	36.00	Coal		3.00	Oil	40	8.00	35.00	65.00		4.00	4.50
58	3	60.00	Coal	10	26.00	Oil	24	4.80	25.00	15.00	20.00	18.00	4.50
59	3	60.00	Coal	4	14.00	Oil	40	8.00	30.00	12.00	60.00	5.00	4.50
60	3	59.50	Wood		20.00	Oil	24	4.80	20.00	12.00	75.00	4.00	3.00
61	2	40.00	Wood		16.00	Oil	16	3.20	16.00	10.00	30.00	24.00	4.60
62	2	48.00			42.00	Oil	24	4.80	45.00	12.00	45.00	87.00	
63	1	30.00	Wood		16.00	Oil	20	4.00	20.00	10.00	30.00	2.00	
64	3	144.00	Coal		20.00	Oil	40	8.00	35.00	20.00	60.00	6.00	
65	3	48.00	Wood		31.00	Oil	20	4.00	25.00	15.00	45.00	10.00	1.60
66	5	96.00	Coal	7	24.50	Oil	45	9.00	40.00	20.00	175.00	33.00	1.60
67	4	105.00	Coal	3	12.00	Oil	20	4.00	40.00	20.00	35.00	2.00	4.60
68	3	60.00	Coal		14.00	Oil	36	7.20	40.00	15.00	100.00	50.00	1.60
69	5	96.00	Coal		26.00	Oil	28	5.60	50.00	25.00	30.00	5.00	4.50
70	3	60.00	Coal		12.00	Oil	20	4.00	40.00	30.00	25.00	40.00	1.60
71	O. H.		Coal		32.00	Oil	40	8.00	40.00	30.00	175.00	40.00	4.50
72	2	60.00	Coal		20.00	Oil	24	4.80	50.00	30.00	20.00	60.00	4.50
73	3	75.00	Coal		20.00	Oil	16	3.20	40.00	30.00		3.00	4.50
74	3	75.00	Coal		20.00	Oil	14	2.80	35.00	25.00		120.00	4.50
75	3	75.00	Coal		20.00	Oil	20	4.00	30.00	15.00	40.00	3.00	4.50

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
				\$12.00		\$1.00	\$67.50	\$2.00	\$16.00	\$5.00	\$15.00	\$330.80	1
				3.00	\$3.00	1.50	3.50	14.00	21.00	12.00	25.00	208.20	2
					1.00		5.00	12.00	16.00	12.00	20.00	292.00	3
				3.00	3.00		12.00	14.00	12.00	20.00	20.00	307.85	4
				3.00	3.00		5.00	30.00	20.00	12.00	18.00	341.20	5
							15.00	30.00	12.00	14.00	16.00	287.50	6
		\$3.00		3.00	2.00	1.50	12.00	20.00		15.00	16.00	354.90	7
					1.00		12.00	14.00	16.00	12.00	16.00	301.70	8
				3.00	3.00		20.00	20.00	19.00	15.00	25.00	377.10	9
				3.00	2.00	1.00	12.00	12.00	16.80	16.00	12.00	222.90	10
				3.00	1.00		6.00	16.00	24.80	12.00	14.00	275.80	11
				5.00	2.00	1.50	6.00	6.00	12.00	50.00	20.00	291.00	12
				.50		4.50	6.00	4.00	16.00	12.00	20.00	219.80	13
		3.00		.50	.50		3.00	40.00	30.00	12.00	42.00	223.00	14
				2.00	2.00					12.00	37.00	245.50	15
			\$18.00	5.00	3.00	7.00	125.00		6.00	12.00	75.00	527.50	16
			3.00		1.00	1.50	18.00	6.00	7.25	12.00	20.00	263.25	17
					1.00	1.50	6.00		6.00	27.00	18.00	270.70	18
				1.00	2.00			16.00	34.00	12.00	24.00	256.70	19
					1.00	1.50		24.00	16.00	12.00	47.00	304.50	20
				15.00	3.00	1.50		45.00	30.00	12.00	40.00	329.70	21
				3.00	1.00	1.50	20.00	12.00	12.00	12.00	16.00	228.20	22
				1.00	.50		10.00	13.00	6.00	12.00	16.00	187.50	23
				1.00		5.00	10.00	18.00	12.00	12.00	15.00	207.00	24
			6.00	3.00	3.00		18.00	3.00		12.00	20.00	194.30	25
				2.00	2.00		3.00	5.00	17.00	12.00	25.00	203.55	26
						6.00	23.00	12.00	19.20	42.00	18.00	245.70	27
				.50		6.00	16.00	24.00	18.00	12.00	30.00	296.50	28
		15.00		60.00	25.00	10.50	13.00		12.00	40.00	75.00	508.20	29
				6.00	4.00	2.50	36.60			32.00	50.00	516.80	30
				2.00	1.00	1.50	16.00	4.00	18.00	12.00	12.00	418.50	31
		3.00		4.00	2.00	1.50	6.00		8.00	42.00	60.00	573.50	32
				1.00	1.00	1.50	8.00	26.00	15.00	12.00	48.00	343.40	33
							18.60	12.00	31.00	12.00	14.00	195.90	34
				1.00	.50		5.00	3.00	7.20	12.00	15.00	198.90	35
			6.00	3.00	1.00		10.00	2.00	13.00	12.00	12.00	167.70	36
				3.00	.50		10.00	26.00	12.80	12.00	12.00	175.80	37
				20.00	2.00		20.00	30.00	29.00	12.00	15.00	282.70	38
				6.00	3.00	1.00	5.00	10.00	14.60	22.00	25.00	375.50	39
			6.00	.50	1.00		15.00	28.00	36.00	12.00	25.00	306.20	40
			6.00	6.00	2.00		20.00	12.00	17.20	12.00	26.00	292.00	41
				3.00	1.00		12.00	3.00	19.60	12.00	20.00	183.60	42
				4.00	1.00	1.50			19.80	12.00	59.00	441.30	43
				1.00	.50		6.00	25.00	21.00	12.00	20.00	278.80	44
						1.50	20.00	80.00	12.00	16.00	50.00	369.00	45
				2.00			30.00	30.00	17.00	12.00	19.00	332.50	46
					1.00	5.00	12.00	20.00	40.00	20.00	20.00	309.50	47
		\$5.20		3.00	2.00	1.50	12.00	12.00	14.00	40.00	16.00	296.20	48
				5.00	2.00	1.50	22.00	50.00	21.00	12.00	20.00	377.50	49
				3.00	2.00		26.00	28.00	17.00	22.00	20.00	251.50	50
				2.00	1.00		20.00	40.00	18.00	12.00	25.00	334.50	51
				1.00	.50		10.00	16.00	12.00	12.00	16.00	200.00	52
				3.00	1.00		18.00	4.00	20.00	12.00	18.00	231.00	53
				1.00	.50	1.00	12.00			15.00	15.00	183.30	54
		6.00		3.00	2.00	1.50	10.00	24.00	20.00	12.00	20.00	222.50	55
			6.00	.50	.50		30.00	30.00	33.00	12.00	16.00	273.30	56
				3.00	1.00	1.50	4.00	24.00	13.25	12.00	18.00	232.25	57
				4.00	6.00	2.00	16.00	24.00	24.00	0.00	30.00	261.30	58
		15.00		3.00	2.00	6.00	35.00	70.00	24.00	95.00	40.00	483.50	59
				3.00	2.00		3.00	16.00	26.00	6.00	16.00	270.30	60
				1.00	3.00	3.00		26.00	15.00	30.00	45.00	266.80	61
				4.50		3.50		4.00	12.00	6.00	30.00	343.80	62
							20.00		5.00	30.00	12.00	179.00	63
			6.00		2.00	12.00	5.00	1.00	12.00	4.00	30.00	365.00	64
				3.00	2.00		38.00	12.00	6.00	6.00	102.00	348.60	65
				1.00	3.00	1.00	3.00	5.00	12.00	550.00	20.00	994.10	66
		4.80	3.00	12.00	2.00	6.00	1.00		12.00	5.00	20.00	288.40	67
			6.00	2.00	2.00	5.00	2.00	4.00	12.00	30.00	50.00	400.80	68
				2.00	1.00	6.00	12.00			200.00	27.00	490.10	69
				2.00	2.00		5.00	6.00	14.00	135.00	90.00	472.60	70
\$12.00	20.00		3.00	3.00	3.00	6.00	12.00	6.00	12.00	12.00	25.00	443.50	71
				2.00	2.00	1.50	12.00	5.00	10.00	9.00	16.00	306.80	72
					.50		6.00	6.00	3.00	6.00	25.00	222.20	73
				2.00	1.00	6.00	12.00	6.00	6.00	12.00	25.00	352.30	74
				2.00	2.00		6.00	2.00	3.00	13.00	23.00	247.50	75



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Child- ren.
76	3	\$75.00	Coal	-----	\$20.00	Oil	20	\$4.00	\$50.00	\$20.00	-----	\$70.00	\$1.50
77	3	75.00	Coal	-----	14.00	Oil	50	10.00	50.00	30.00	\$20.00	3.00	4.50
78	3	75.00	Coal	-----	20.00	Oil	12	2.40	40.00	20.00	35.00	3.00	4.50
79	2	60.00	Coal	-----	20.00	Oil	6	1.25	35.00	20.00	60.00	50.00	4.50
80	3	75.00	Coal	-----	20.00	Oil	20	4.00	40.00	15.00	75.00	35.00	4.50
81	3	75.00	Coal	-----	24.00	Oil	28	5.60	35.00	16.00	45.00	12.00	4.50
82	2	54.00	Coal	-----	24.00	Oil	26	5.20	60.00	30.00	-----	190.00	4.50
83	3	96.00	Coal	7	24.00	Oil	10	2.00	35.00	20.00	15.00	30.00	3.50
84	3	60.00	Coal	7	24.50	Oil	20	3.00	30.00	20.00	-----	3.00	3.50
85	2	54.00	Coal	-----	10.50	Oil	20	4.00	60.00	-----	75.00	75.00	4.50
86	4	48.00	Coal	5	17.50	Oil	20	3.00	40.00	25.00	-----	2.00	4.50
87	3	84.00	Coal	3	7.50	Oil	25	3.75	30.00	25.00	5.00	125.00	3.00
88	3	54.00	Coal	7	24.50	Oil	20	4.00	70.00	30.00	20.00	40.00	3.50
89	2	48.00	Coal	6	21.00	Oil	20	3.00	35.00	-----	50.00	2.00	-----
90	2	90.00	Coal	8	38.00	Oil	26	3.80	60.00	25.00	40.00	109.00	3.50
91	3	84.00	Coal	9	31.50	Oil	40	8.00	45.00	20.00	60.00	11.00	-----
92	3	60.00	Coal	6	18.00	Oil	26	3.90	35.00	30.00	-----	42.00	3.50
93	3	84.00	Coal	9	22.50	Oil	40	6.00	40.00	50.00	-----	37.00	3.00
94	1	30.00	Coal	-----	9.00	Oil	24	4.80	60.00	25.00	20.00	1.50	4.50
95	3	60.00	Coal	3	10.50	Oil	10	2.00	35.00	20.00	15.00	7.00	3.50
96	2	48.00	Coal	-----	10.00	Oil	26	5.20	60.00	40.00	-----	3.00	4.50
97	2	48.00	Coal	-----	10.00	Oil	28	5.60	60.00	40.00	30.00	2.00	4.50
98	2	60.00	Coal	-----	24.00	Oil	24	4.80	50.00	20.00	75.00	2.00	4.50
99	2	60.00	Coal	-----	13.00	Oil	12	2.40	50.00	35.00	-----	2.00	4.50
100	3	186.00	Wood	-----	30.00	Oil	30	6.00	60.00	20.00	-----	3.00	4.50
101	2	60.00	Coal	-----	18.00	Oil	30	6.00	60.00	40.00	65.00	4.00	4.50
102	2	48.00	Coal	-----	10.00	Oil	16	3.20	40.00	30.00	-----	78.00	4.50
103	1	48.00	Coal	-----	12.25	Oil	24	4.80	70.00	50.00	20.00	85.00	4.50
104	3	60.00	-----	-----	-----	Oil	6	1.20	30.00	20.00	-----	1.00	3.50
105	4	144.00	Coal	10	12.00	Oil	40	8.00	60.00	25.00	40.00	25.00	4.50
106	6	144.00	Coal	9	31.50	Oil	28	5.60	40.00	25.00	-----	3.00	-----
107	5	120.00	Coal	10	35.00	Oil	40	8.00	50.00	40.00	140.00	5.00	3.50
108	O. H.	-----	Coal	6	21.00	Oil	45	9.00	40.00	30.00	120.00	30.00	4.30
109	2	60.00	Coal	6	9.50	Oil	20	4.00	60.00	30.00	60.00	3.00	4.50
110	2	72.00	Wood	-----	15.00	Oil	28	5.60	40.00	30.00	70.00	6.00	4.50
111	5	204.00	Coal	9	27.50	Oil	40	9.60	50.00	50.00	150.00	20.00	3.00
112	2	90.00	Coal	-----	35.00	Oil	26	5.20	45.00	40.00	15.00	25.00	4.50
113	3	144.00	Coal	-----	30.00	Oil	40	6.00	70.00	25.00	25.00	50.00	4.60
114	3	120.00	Coal	10	35.00	Oil	40	8.00	50.00	30.00	75.00	2.00	4.50
115	2	72.00	-----	-----	-----	Oil	15	3.00	40.00	15.00	6.00	15.00	4.50
116	3	180.00	Coal	12	40.00	Oil	35	7.00	70.00	50.00	-----	200.00	4.50
117	3	96.00	Coal	-----	18.00	Oil	20	4.00	40.00	20.00	40.00	1.50	3.50
118	3	83.00	Coal	-----	30.00	Oil	14	2.80	45.00	20.00	40.00	2.00	3.50
119	O. H.	-----	-----	-----	-----	Oil	30	6.00	75.00	20.00	60.00	4.00	4.50
120	2	36.00	Coal	15	30.00	Oil	20	4.00	40.00	20.00	25.00	4.00	4.50
121	2	72.00	Coal	-----	32.00	Oil	14	2.80	50.00	25.00	70.00	2.00	4.50
122	2	96.00	Coal	11	33.00	Oil	26	5.20	75.00	80.00	-----	12.00	4.50
123	2	96.00	Coal	-----	12.00	Oil	28	5.60	60.00	25.00	50.00	4.00	4.50
124	O. H.	-----	-----	-----	-----	Oil	8	1.50	60.00	20.00	20.00	3.00	4.50
125	2	60.00	Coal	-----	20.00	Oil	13	2.60	50.00	30.00	-----	45.00	4.50
126	3	90.00	Coal	-----	22.00	Oil	30	6.00	30.00	25.00	100.00	70.00	-----
127	4	72.00	Coal	-----	20.00	Oil	25	5.00	50.00	50.00	-----	115.00	5.25
128	2	60.00	Wood	-----	24.00	Oil	18	3.60	25.00	20.00	65.00	20.00	-----
129	2	54.00	Coal	-----	24.00	Oil	24	4.80	18.00	6.00	30.00	6.00	-----
130	2	60.00	Coal	-----	16.00	Oil	12	1.80	40.00	20.00	100.00	6.00	4.50
131	5	105.00	Coal	-----	24.00	Oil	24	4.80	32.00	12.00	200.00	4.00	-----
132	2	54.00	Coal	-----	12.00	Oil	9	1.80	30.00	9.00	-----	50.00	4.50
133	2	72.00	Coal	12	18.00	Oil	40	8.00	45.00	50.00	70.00	50.00	4.50
134	5	120.00	Coal	-----	21.00	Oil	40	8.00	35.00	18.00	175.00	75.00	-----
135	O. H.	-----	Coal	8	28.00	Oil	26	5.20	25.00	15.00	-----	3.00	8.00
136	O. H.	-----	Coal	8	28.00	Oil	24	4.80	40.00	20.00	10.00	2.00	3.50
137	3	75.00	Coal	-----	24.00	Oil	20	4.00	40.00	15.00	30.00	18.00	.50
138	O. H.	-----	Coal	7	24.50	Oil	25	3.75	35.00	20.00	150.00	3.00	11.25
139	4	240.00	Coal	7	24.50	Oil	28	4.20	25.00	16.00	-----	2.00	-----
140	2	69.00	Coal	6	21.00	Oil	25	5.00	15.00	12.00	10.00	35.00	3.60
141	2	84.00	Coal	9	31.50	Oil	20	3.00	30.00	15.00	30.00	3.00	3.50
142	5	96.00	Coal	-----	24.00	Oil	25	5.00	40.00	25.00	-----	4.00	4.50
143	3	60.00	Coal	6	9.00	Oil	20	4.00	30.00	16.00	30.00	35.00	4.50
144	2	42.00	Wood	-----	6.00	Oil	24	4.80	20.00	15.00	40.00	22.00	2.00
145	4	48.00	Wood	-----	8.00	Oil	24	4.80	35.00	20.00	30.00	65.00	1.25
146	5	48.00	Coal	-----	9.00	Oil	40	8.00	35.00	25.00	130.00	325.00	1.50
147	1	12.00	Wood	-----	4.00	Oil	12	2.40	12.00	6.00	-----	3.00	1.00
148	3	60.00	-----	-----	19.00	Oil	36	7.20	35.00	25.00	150.00	3.00	1.25
149	2	24.00	Wood	-----	6.00	Oil	24	4.80	40.00	15.00	-----	10.00	1.25
150	5	38.00	Coal	-----	5.00	Oil	40	8.00	25.00	18.00	75.00	5.00	1.50



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	Labor.	Other.										
	\$7.50			\$3.00	\$2.00	\$1.50	\$12.00	\$12.00	\$12.00	\$15.00	\$19.00	\$327.50	76
				2.00			6.00	25.00	12.00	20.00	27.00	298.50	77
				2.00	1.00	1.50	8.00	12.00	6.00	5.00	25.00	260.40	78
					1.00	1.50	5.00	10.00	5.00	8.00	16.00	297.25	79
					1.00		12.00	2.00	12.00	14.00	29.00	338.50	80
				3.00	.50		6.00	12.00	9.00	15.00	19.00	281.60	81
					1.00	1.00	10.00	12.00	12.00	10.00	25.00	348.70	82
				12.00	3.00	1.50	4.00	40.00	20.00	12.00	12.00	330.00	83
						4.50	12.00	40.00	14.00	15.00	12.00	241.50	84
							12.00	20.00	22.50	3.00	16.00	356.50	85
								40.00	18.00	6.00	24.00	228.00	86
			\$6.00				30.00	48.00	18.00	20.00	20.00	425.25	87
			6.00	3.00	2.00	8.00	6.00		5.00	20.00	18.00	314.00	88
			6.00	3.00	1.00		3.00			6.00	15.00	193.00	89
			8.00	6.00	2.00	1.50	3.00		20.00	25.00	23.00	447.80	90
				3.00	1.00	4.50		40.00	11.00	7.50	26.00	352.50	91
				3.00	.50			5.00	16.75	6.00	20.00	243.65	92
				.50			20.00	50.00	26.00	10.00	19.00	368.00	93
					.50	3.50	12.00	30.00	18.00	6.50	10.00	235.30	94
							6.00	40.00	17.00	20.00	15.00	251.00	95
			6.00	18.00	3.00	4.80	3.00	5.00	5.00	12.50	28.00	256.00	96
			12.00		2.00	6.50	5.00	30.00	25.50	15.00	28.00	324.10	97
					1.00		6.00	16.00	29.00	20.50	14.00	326.80	98
					1.00		12.00		13.00	5.00	18.00	216.90	99
			.20		1.00	6.00	20.00			40.00	28.00	404.70	100
			3.00	3.00	4.00	4.80	6.00	5.00	12.00	16.00	16.00	327.30	101
				3.00	4.00	4.80	12.00	15.00	8.00	8.00	24.00	292.50	102
					2.00	4.80	40.00	35.00	12.00	16.00	16.00	420.35	103
					2.00		4.00	30.00	21.00	5.00	12.00	189.70	104
			7.50	6.00	3.00	7.00	20.00	20.00	10.00	20.00	37.00	449.00	105
				6.00	2.00	1.50			12.00	5.00	15.00	290.60	106
			\$10.00	3.00	2.00	1.50	60.00	5.00	18.00	40.00	50.00	591.00	107
				3.00	2.00	3.00	3.00		8.00	5.00	25.00	515.30	108
				3.00	3.00	1.00	29.00	6.00	12.00	3.00	20.00	308.00	109
				5.00	2.00	1.00	56.00			2.00	12.00	321.10	110
			4.00	16.00	2.00	12.00			10.40	155.00	85.00	798.50	111
				7.50	2.00	4.80	5.00	30.00	18.00	25.00	20.00	372.00	112
				3.00	2.00	1.50	12.00	6.00		10.00	30.00	419.10	113
				12.00	2.00	1.50	12.00	20.00	14.00	30.00	25.00	441.00	114
				3.00	2.00	1.00	1.00	16.00	18.00	12.00	15.00	223.50	115
			6.00	6.00	2.00	4.80	5.00		12.00	25.00	57.75	670.05	116
				2.00	1.00	5.00	4.00	2.00	13.00	10.00	18.00	278.00	117
				4.00	1.00	4.50	2.00	6.00	14.00	10.00	20.00	290.80	118
				6.00	4.00	1.50	6.00	18.00	15.00	15.00	26.00	261.00	119
			3.00	2.00	2.00		16.00	30.00	3.50	20.00	35.00	275.00	120
				6.00	1.00		3.00			6.00	12.00	286.30	121
			5.10	3.00	4.00	4.80	12.00	20.00	6.00	6.00	18.00	387.60	122
				3.00	1.00	1.50	20.00	20.00	15.50	12.00	16.00	346.10	123
				6.00	1.00	1.50	6.00	10.00	6.00	125.00	12.00	276.50	124
				6.00	2.00		6.00	20.00		10.00	15.00	271.10	125
				6.00	2.00		3.00	3.00	38.00	40.00	12.00	442.00	126
			6.00	6.00	2.00	1.50	30.00		10.00	12.00	24.00	408.75	127
							2.00	3.00	34.00	10.00	16.00	282.60	128
							6.00	3.00	15.00	15.00	21.00	202.80	129
				6.00	2.00		20.00	2.00	8.00	80.00	20.00	386.30	130
				2.00		3.00	4.00			30.00	28.00	448.80	131
				1.00				3.00	2.40	3.00	21.00	191.70	132
				3.00	2.00		16.00	2.00	20.00	60.00	25.00	445.50	133
			12.00	2.00	2.00	1.50	3.00	2.00	14.00	18.00	35.00	541.50	134
				2.50	1.00	16.00	12.00	2.00		20.00	16.00	153.70	135
				1.00	1.00	4.50	13.00	4.00		12.00	20.00	163.80	136
						6.00	3.00			12.00	29.00	256.50	137
				5.00	3.00	3.00		6.00	7.50	8.00	20.00	300.00	138
						1.00			15.00	50.00	40.00	417.70	139
			4.00		.50	1.50		6.00	5.00	40.00	12.00	239.60	140
				5.00				6.00	12.00	6.00	37.00	266.00	141
				1.00		1.50	6.00	6.00	10.00	5.00	23.00	251.00	142
								20.00	6.00	23.00	30.00	267.50	143
				1.00	.50			3.00	30.00	12.00	12.00	210.30	144
				2.00	2.00			12.00	10.00	22.50	30.00	290.55	145
			8.00	6.00	4.00	1.50			10.00	16.00	180.00	813.00	146
								2.00	17.00		5.00	64.40	147
				4.00	4.00	1.50	2.00	20.00	12.00	24.00	75.00	442.95	148
				5.00	2.00		1.00	45.00	6.00	12.00	14.00	186.05	149
				5.00	5.00	1.50				12.00	98.00	297.00	150

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Child- ren.
151	5	\$48.00	Wood		\$12.00	Oil	30	\$6.00	\$35.00	\$15.00	\$150.00	\$50.00	\$1.25
152	2	48.00	Wood		9.00	Oil	14	2.80	40.00	18.00	90.00	1.00	1.25
153	4	48.00	Wood		12.00	Oil	24	4.80	30.00	12.00	120.00	2.00	1.25
154	4	48.00	Coal		6.00	Oil	14	2.80	70.00	30.00		50.00	1.25
155	4	48.00	Wood		8.00	Oil	24	4.80	35.00	20.00	25.00	30.00	1.25
156	2	40.00	Wood		8.00	Oil	26	5.20	35.00	12.00	30.00	4.00	3.00
157	2	12.00	Wood		6.00	Oil	20	4.00	20.00	20.00	16.00	1.00	1.00
158	1	18.00	Wood		7.00	Oil	14	2.80	35.00	20.00		28.00	1.25
159	3	44.00	Coal		6.00	Oil	24	4.80	35.00	12.00	50.00	18.00	1.50
160	2	36.00	Wood		10.00	Oil	24	4.80	30.00	30.00	45.00	2.00	3.00
161	2	36.00	Wood		4.00	Oil	20	4.00	20.00	12.00	90.00	7.00	1.25
162	2	36.00	Wood		10.00	Oil	20	4.00	25.00	10.00	30.00	8.00	1.00
163	5	40.00	Wood		10.00	Oil	24	4.80	30.00	20.00	40.00	20.00	1.50
164	2	48.00	Wood		8.00	Oil	20	4.00	40.00	30.00		3.00	1.25
165	4	48.00			16.00	Oil	48	9.60	25.00	15.00	75.00	4.00	2.00
166	4	48.00	Wood		8.00	Oil	24	4.80	40.00	10.00	20.00	125.00	1.25
167	4	48.00	Coal	3	15.00	Oil	35	7.00	30.00	15.00	90.00	17.00	1.25
168	4	48.00	Coal		6.00	Oil	30	6.00	35.00	20.00	150.00	3.00	1.25
169	4	108.00	Coal		40.00	Oil		2.88	45.00			250.00	
170	O. H.		Coal	8	48.00				25.00	30.00	75.00		20.00
171	5	84.00			48.00			5.00	75.00	75.00	17.60	40.00	
172	3	72.60			30.00			5.00	75.00	25.00	6.00	12.00	
173	6	96.00	Coal	12	60.00	Oil	30	3.60	20.00	40.00	40.00	19.00	1.85
174	4	72.00			30.00			4.00	25.00	25.00	10.00		
175	3	52.00			20.00			3.00	16.00	12.00	4.00	7.00	
176	O. H.				40.00				50.00	25.00	15.00		3.60
177	O. H.		Coal	9	45.00	Oil		1.80	150.00	75.00	30.00	100.00	9.00
178	5	84.00	Coal	8	60.00	Oil		7.20	40.00	40.00	75.00	15.00	
179	5	84.00	Coal		60.00	Oil	12	1.80	60.00	25.00	70.00	60.00	
180	6	96.00			36.00	Oil	60	7.20	60.00	50.00	80.00	25.00	2.50
181	5	84.00			48.00			6.00	50.00	50.00	75.00	20.00	
182	5	84.00			35.00	Oil	60	7.20	60.00	25.00		18.65	
183	5	108.00			105.00			7.20	25.00	20.00	120.00	15.00	
184	O. H.		Coal	5	25.00	Oil		1.50	50.00	30.00	30.00		4.50
185	4	60.00	Coal		45.00	Oil		2.88	50.00	35.00	58.00	30.00	
186	O. H.		Coal		30.00			1.44	40.00	30.00	5.00	25.00	3.00
187	4	90.00	Coal		30.00	Oil		1.44	80.00	50.00			
188	O. H.		Coal		20.00	Oil		1.44	40.00	40.00	45.00		3.65
189	4	48.00	Coal	4	20.00	Oil		1.44	100.00	100.00		12.00	
190	O. H.		Coal	5	50.00	Oil		3.00	50.00	60.00	60.00	20.00	6.20
191	4	120.00	Coal	8	45.00	Oil		1.80	150.00	160.00		25.00	
192	O. H.		Coal	8	60.00	Oil		1.80	60.00	75.00	50.00	28.00	6.00
193	3	84.00	Coal	8	40.00	Oil		1.44	55.00	40.00	10.00	8.50	
194	O. H.		Coal	8	48.00	Oil		1.80	36.00	20.00	5.00	25.60	8.00
195	4	120.00	Coal	8	40.00	Oil		1.50	50.00	50.00	80.00	20.00	7.00
196	3	43.00	Coal		30.00	Oil		4.80	40.00	30.00	50.00	50.00	
197	4	84.00			30.00			4.50	75.00	40.00		35.00	
198	6	94.00			40.00			6.00	60.00	25.00	125.00	15.00	
199	4	60.00	Coal	7	35.00	Oil		1.44	40.00	20.00	20.00	20.00	
200	4	84.00	Coal		40.00	Oil		1.44	25.00		60.00		
201	4	84.00			50.00	Oil		3.60	40.00	25.00	20.00		
202	4	84.00	Coal	6	30.00	Oil		3.60	60.00	60.00		15.00	
203	5	120.00	Coal	9	45.00	Oil		1.80	75.00	50.00	40.00	25.00	
204	0	144.00	Coal		54.00	Oil		3.60	40.00	60.00	60.00		
205	4	96.00			40.00			7.20	50.00	75.00		12.50	
206	4	96.00			32.00			3.00	40.00	60.00			
207	5	96.00			48.00			7.20	30.00	30.00	75.00	41.00	
208	5	81.00			40.00	Oil	30	3.60	30.00	25.00	90.00	14.00	
209		Free.	Coal	10	50.00	Oil	40	4.00	60.00	18.00	15.00	4.00	8.00
210	O. H.		Coal	6	33.00	Oil	45	4.50	40.00	13.00	40.00	3.00	8.00
211	9	150.00	Coal	10	50.00	Oil	40	4.00	35.00	20.00	40.00	10.00	
212	O. H.		Coal	10	50.00	Oil	40	4.00	35.00	12.00	40.00	4.00	10.00
213	5	96.00			43.65	Oil	24	2.40	35.00	18.00	30.00	75.00	
214	4	42.00	Coal	5	28.75	Oil	40	4.00	40.00	18.00	5.00	10.00	1.00
215	4	60.00			20.00	Oil	16	1.60	40.00	20.00	10.00	10.00	1.00
216	7	60.00			38.00	Oil	40	4.00	60.00	30.00	25.00	50.00	1.00
217	0	60.00	Coal	9	45.00	Oil	30	3.00	50.00	20.00	30.00	14.00	1.00
218	3	40.00	Coal	4	20.00	Oil	18	1.80	40.00	10.00	10.00	2.00	
219	4	60.00	Coal	5	25.00	Oil	20	2.00	30.00	15.00	15.00	3.00	
220	3	65.00	Coal	5	25.00	Oil	20	2.00	30.00	12.00	50.00	2.00	
221	4	60.00			31.50	Oil	26	2.60	60.00	16.00		4.00	
222	4	26.00	Coal	7	37.00	Oil	40	4.00	40.00	18.00	60.00	6.00	
223	4	60.00	Coal	5	22.50	Oil	20	2.00	60.00	25.00	15.00	40.00	1.00
224	5	72.00	Coal	6	35.00	Oil	10	1.20	60.00	25.00	5.00	130.00	1.00
225	5	60.00	Coal	7	35.00	Oil	18	1.60	60.00	15.00	25.00	2.00	1.49



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
.....	.....	.....	.....	\$4.00	\$3.00	\$2.50	\$2.00	\$3.00	\$18.00	\$12.00	\$55.00	\$416.75	151
.....	.....	.....	.....	1.00	1.00	1.00	1.00	.....	16.00	12.00	10.00	250.05	152
.....	.....	.....	.....	5.00	1.00	1.00	.....	3.00	17.00	12.00	78.00	347.05	153
.....	.....	\$3.60	.....	2.00	2.00	1.50	1.00	2.00	18.00	12.00	20.00	270.15	154
.....	.....	.....	.....	4.00	4.00	1.50	2.00	3.00	12.00	12.00	36.00	246.55	155
.....	\$10.00	.....	.....	2.00	.....	.....	2.00	20.00	26.00	12.00	12.00	221.20	156
.....	8.00	.....	.....	4.00	2.00	1.50	20.00	1.00	3.00	12.00	6.00	103.00	157
.....	.....	\$2.00	.....	1.00	1.00	1.50	.50	25.00	15.00	12.00	25.00	207.55	158
.....	.....	2.00	.....	2.00	3.00	.....	6.00	2.00	16.00	12.00	10.00	239.30	159
.....	.....	.....	.....	5.00	1.00	.....	1.00	2.00	42.00	12.00	45.00	263.80	160
.....	.....	.....	.....	1.00	.50	.....	.....	2.00	12.00	12.00	10.00	282.25	161
.....	.....	.....	.....	2.00	1.50	.....	2.00	2.00	17.00	12.00	23.00	101.50	162
.....	3.40	.....	.....	5.00	2.00	.....	1.00	3.00	6.00	12.00	8.00	225.80	163
.....	.....	.....	.....	2.00	.....	1.00	.....	.....	17.00	12.00	50.00	174.65	164
.....	.....	.....	.....	2.00	1.00	1.00	3.00	.....	6.00	12.00	20.00	276.60	165
.....	.....	.....	3.00	4.00	1.00	7.00	2.00	3.00	6.00	12.00	65.00	302.05	166
.....	.....	.....	.....	5.00	2.00	2.50	2.00	6.00	17.00	24.00	20.00	326.25	167
.....	.....	.....	.....	15.00	4.00	8.00	36.00	36.00	4.80	30.00	5.00	347.75	168
\$20.00	.....	.....	.....	20.00	5.00	10.00	5.00	.....	.....	20.00	250.00	584.68	169
.....	7.50	6.00	.....	10.00	5.00	.....	.....	15.00	10.00	50.00	29.50	528.00	170
1.85	.....	.....	.....	4.00	3.65	.....	10.00	80.00	12.00	16.50	24.00	477.60	171
.....	4.50	.....	.....	8.00	7.20	.....	.....	25.00	12.00	10.00	14.00	387.00	172
.....	.....	.....	.....	.....	.....	.....	.....	18.25	20.00	40.00	13.00	366.15	173
.....	.....	.....	.....	6.50	.....	3.00	.....	.....	20.00	40.00	13.00	257.25	174
8.00	.....	.....	.....	.....	.....	.....	2.00	60.00	3.00	10.00	12.00	166.50	175
10.00	.....	.....	.....	.....	.....	.....	.....	120.00	6.00	20.00	10.00	223.60	176
.....	.....	.....	.....	12.00	.....	24.00	.....	60.00	8.40	40.00	70.00	576.80	177
.....	.....	.....	.....	6.00	4.00	35.00	.....	60.00	10.00	10.00	10.00	535.60	178
1.16	4.50	.....	.....	8.00	5.00	17.00	5.00	75.00	20.00	40.00	26.00	495.80	179
2.00	.....	.....	.....	.....	.....	8.20	5.00	100.00	8.00	.....	5.00	558.36	180
.....	.....	.....	.....	12.00	6.00	7.20	.....	52.00	12.00	20.00	15.00	461.20	181
.....	.....	.....	.....	6.00	5.00	.....	.....	.....	8.00	35.00	21.00	354.05	182
4.00	.....	.....	.....	2.00	.....	.....	5.00	52.00	.....	20.00	5.00	475.20	183
.....	.....	.....	.....	3.00	5.00	3.00	5.00	108.00	12.00	12.00	5.00	229.00	184
3.00	.....	.....	.....	12.00	3.00	3.00	15.00	.....	.....	.....	.....	433.88	185
.....	6.00	.....	.....	40.00	6.00	20.00	72.00	14.40	100.00	.....	5.00	175.44	186
2.00	.....	.....	.....	6.00	2.00	2.50	8.00	48.00	18.00	20.00	.....	515.84	187
.....	.....	.....	.....	5.00	2.50	5.00	5.00	60.00	4.80	.....	10.00	256.59	188
3.50	.....	.....	.....	18.00	2.00	5.00	.....	36.00	.....	10.00	.....	368.74	189
.....	.....	.....	.....	.....	.....	20.00	20.00	.....	4.80	.....	25.00	303.70	190
10.00	.....	.....	.....	25.00	6.00	5.00	5.00	60.00	6.00	25.00	12.00	571.60	191
.....	7.00	.....	.....	3.00	3.00	3.00	15.00	84.00	.....	13.00	25.00	434.80	192
1.00	.....	.....	.....	5.00	5.00	5.00	.....	36.00	9.60	.....	42.00	384.94	193
7.00	.....	.....	.....	6.00	8.00	5.00	3.00	52.00	4.00	15.00	99.00	254.40	194
.....	.....	.....	.....	8.00	10.00	.....	.....	2.00	9.60	25.00	.....	565.50	195
.....	.....	.....	.....	6.00	20.00	.....	.....	100.00	30.00	50.00	20.50	307.40	196
1.85	4.00	.....	.....	6.00	3.00	20.00	.....	52.00	9.00	35.00	26.00	504.00	197
.....	.....	.....	.....	7.00	4.00	.....	.....	.....	9.00	5.00	.....	521.85	198
.....	.....	.....	.....	3.00	2.00	.....	.....	7.00	4.80	7.00	.....	222.04	199
.....	.....	.....	.....	8.00	5.00	8.00	2.00	52.00	4.80	15.00	96.00	234.24	200
.....	.....	.....	.....	3.00	2.00	8.00	18.00	48.00	12.00	2.00	10.00	413.40	201
.....	.....	.....	.....	15.00	8.00	8.00	6.00	60.00	.....	.....	40.00	355.60	202
.....	.....	.....	.....	12.00	.....	18.00	.....	36.00	7.20	4.00	30.00	493.80	203
.....	12.00	6.00	.....	6.50	5.00	12.00	.....	200.00	25.00	.....	30.00	468.80	204
.....	4.00	.....	.....	8.00	7.00	.....	25.00	96.00	18.00	.....	4.00	577.20	205
.....	.....	.....	.....	.....	.....	7.20	.....	.....	35.00	15.50	.....	308.00	206
.....	.....	.....	.....	.....	.....	3.65	.....	75.00	15.60	25.00	13.00	884.90	207
2.00	36.00	.....	.....	2.00	1.00	8.00	4.00	.....	6.00	6.00	25.00	418.85	208
.75	30.20	.....	.....	.....	1.00	2.50	.....	.....	6.00	6.00	132.00	249.00	200
.....	.....	.....	.....	4.00	8.50	2.00	.....	5.00	1.00	10.00	.....	313.95	210
1.75	30.20	.....	.....	2.00	1.00	2.50	.....	5.00	40.00	30.00	.....	339.50	211
.....	.....	.....	.....	.....	6.00	.....	6.00	4.80	5.00	12.00	.....	287.45	212
.....	.....	.....	.....	12.00	6.00	40.00	.....	6.00	20.00	12.00	.....	333.85	213
.....	.....	.....	.....	4.00	2.00	1.00	.....	4.00	2.00	12.00	.....	242.75	214
.....	.....	.....	.....	6.00	5.00	3.00	3.75	5.00	5.00	42.00	.....	187.60	215
.....	.....	.....	.....	6.00	2.00	6.00	.....	2.00	12.00	20.00	.....	357.75	216
.....	.....	.....	.....	.....	.....	.....	.....	36.00	6.00	20.00	15.00	271.00	217
.....	.....	.....	.....	.....	.....	.....	.....	30.00	10.00	20.00	10.00	200.80	218
.....	.....	.....	.....	.....	.....	.....	.....	.....	5.00	4.00	40.00	220.00	219
.....	.....	.....	.....	.....	.....	6.00	.....	30.00	6.00	40.00	10.00	235.00	220
.....	.....	.....	.....	18.00	.....	2.50	.....	.....	5.00	12.00	10.00	266.10	221
.....	.....	.....	.....	.....	.....	2.50	.....	.....	5.00	12.00	10.00	248.50	222
18.20	.....	6.00	.....	.....	.....	2.50	.....	.....	6.00	2.00	12.00	272.20	223
.....	.....	6.00	.....	.....	.....	2.50	.....	10.00	5.00	10.00	12.00	380.70	224
.....	.....	6.00	.....	.....	.....	6.00	.....	150.00	6.00	15.00	15.00	397.60	225



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.		
226	2	\$60.00	Coal	3	\$15.00	Oil	16	\$1.60	\$30.00	\$10.00	\$70.00	\$4.00	\$2.00
227	O. H.	.....	Coal	9	45.00	Oil	60	6.00	40.00	18.00	150.00	16.00	.....
228	4	90.00	Coal	5	25.00	Oil	30	3.00	30.00	15.00	18.00	20.00	.....
229	4	48.00	.....	.....	2.75	Oil	10	1.00	30.00	5.00	.....	40.00	.....
230	4	42.00	Coal	10	45.00	Oil	20	2.00	30.00	12.00	15.00	3.00	1.00
231	5	42.00	Coal	6	30.00	Oil	40	4.00	45.00	25.00	20.00	1.00	.....
232	4	60.00	Coal	5	25.00	Oil	20	2.00	30.00	15.00	16.00	.....	1.00
233	4	60.00	Coal	.....	36.00	Oil	.....	3.60	42.00	18.00	.....	60.00	.....
234	4	60.00	Coal	6	30.00	Oil	40	4.00	35.00	18.00	50.00	2.00	1.00
235	O. H.	.....	Coal	8	40.00	Oil	40	4.00	40.00	12.00	150.00	20.00	8.00
236	7	84.00	.....	.....	34.50	Oil	25	2.50	30.00	10.00	.....	4.00	.....
237	6	96.00	Coal	6	30.00	Oil	30	3.00	50.00	18.00	60.00	3.00	1.00
238	.....	72.00	Coal	9	45.00	Oil	25	2.50	40.00	16.00	30.00	5.00	4.00
239	6	48.00	Coal	8	40.00	Oil	32	3.20	50.00	12.00	150.00	4.00	.....
240	6	42.00	Coal	7	35.00	Oil	24	2.40	45.00	15.00	95.00	2.00	5.00
241	7	48.00	Coal	9	45.00	Oil	13	1.30	45.00	20.00	.....	2.00	.....
242	8	48.00	Coal	8	40.00	Oil	30	3.00	50.00	15.00	150.00	35.00	5.00
243	4	42.00	Coal	6	37.00	Oil	24	2.40	40.00	25.00	20.00	2.00	.....
244	5	42.00	Coal	7	38.50	Oil	14	1.40	40.00	12.00	40.00	2.00	.....
245	4	42.00	Coal	7	35.00	Oil	13	1.30	60.00	25.00	60.00	12.00	5.00
246	4	36.00	Coal	8	40.00	Oil	26	2.60	40.00	10.00	40.00	10.00	5.00
247	4	36.00	Coal	8	40.00	Oil	13	1.30	60.00	20.00	10.00	60.00	.....
248	6	42.00	Coal	3	15.00	Oil	16	1.60	60.00	25.00	175.00	3.00	5.00
249	5	42.00	Coal	6	30.00	Oil	14	1.40	60.00	30.00	.....	10.00	.....
250	5	42.00	Coal	9	49.50	Oil	30	3.00	60.00	20.00	60.00	4.00	.....
251	4	42.00	Coal	10	50.00	Oil	40	5.00	50.00	20.00	125.00	10.50	5.00
252	5	42.00	Coal	7	36.00	Oil	16	1.60	40.00	.....	50.00	2.00	5.00
253	O. H.	.....	Coal	7	35.00	Oil	30	3.00	50.00	16.00	80.00	1.00	6.00
254	6	48.00	Coal	10	50.00	Oil	13	1.56	30.00	16.00	25.00	15.00	5.00
255	5	42.00	Coal	6	30.00	Oil	14	1.40	45.00	20.00	25.00	4.00	5.00
256	4	42.00	Coal	8	40.00	Oil	30	3.75	45.00	20.00	12.00	2.00	.....
257	6	60.00	Coal	9	45.00	Oil	25	2.50	45.00	20.00	35.00	6.00	1.00
258	5	40.00	Coal	5	22.50	Oil	20	2.00	45.00	20.00	6.00	2.00	1.00
259	8	84.00	Coal	7	35.00	Oil	25	2.50	40.00	30.00	125.00	50.00	1.00
260	4	48.00	Coal	3	16.50	Oil	30	3.00	30.00	12.00	.....	2.00	.....
261	8	84.00	Coal	18	90.00	Oil	60	7.20	50.00	20.00	125.00	150.00	5.00
262	4	36.00	Coal	9	45.00	Oil	30	3.00	50.00	25.00	8.00	2.00	.....
263	4	42.00	Coal	8	45.00	Oil	36	4.32	35.00	15.00	45.00	4.00	5.00
264	6	60.00	Coal	6	30.00	Oil	20	2.00	35.00	15.00	25.00	4.00	2.00
265	5	84.00	Coal	16	40.00	Oil	60	6.00	50.00	50.00	125.00	60.00	5.00
266	.....	60.00	Coal	10	30.00	Oil	18	2.16	28.50	10.00	25.00	.....	.....
267	2	72.00	Coal	7	17.50	Oil	40	4.00	40.00	12.00	8.00	.....	.....
268	O. H.	.....	Coal	13	40.00	Oil	42	5.04	36.00	25.00	90.00	10.00	14.75
269	.....	96.00	Coal	.....	24.50	Oil	15	1.80	40.00	10.00	125.00	11.50	.....
270	O. H.	.....	Coal	13	40.00	Oil	40	4.80	45.00	30.00	125.00	7.50	15.00
271	.....	60.00	Coal	.....	25.00	Oil	12	1.80	40.00	50.00	20.00	30.00	.....
272	O. H.	.....	Coal	.....	40.00	Oil	20	3.00	30.00	12.00	50.00	3.00	21.50
273	O. H.	.....	Coal	.....	35.00	Oil	20	3.00	40.00	20.00	127.50	3.00	11.50
274	O. H.	.....	Coal	.....	28.00	Oil	20	3.00	28.50	25.00	15.00	.....	7.25
275	O. H.	.....	Coal	.....	28.00	Oil	20	3.00	30.00	15.00	75.00	10.00	8.50
276	O. H.	.....	Coal	.....	42.00	Oil	50	6.50	30.00	20.00	150.00	7.00	12.00
277	O. H.	.....	Coal	.....	17.50	Oil	12	1.80	32.00	12.00	50.00	2.50	6.40
278	O. H.	.....	Coal	.....	21.00	Oil	20	2.40	20.00	50.00	.....	.....	2.52
279	.....	72.00	Coal	.....	21.00	Oil	18	2.70	38.00	17.50	65.50	3.00	.....
280	O. H.	.....	Coal	.....	22.75	Oil	18	2.70	35.00	14.00	50.00	5.00	9.25
281	.....	72.00	Coal	.....	35.00	Oil	16	1.80	25.00	10.00	50.00	.....	.....
282	.....	72.00	Coal	.....	17.50	Oil	12	1.80	27.50	15.00	18.00	6.40	.....
283	O. H.	.....	Coal	.....	35.00	Oil	.....	3.60	32.00	60.00	.....	12.00	13.20
284	7	120.00	Coal	14	35.00	Oil	36	5.40	75.00	50.00	15.00	20.00	.....
285	O. H.	.....	Coal	10	47.50	Oil	36	3.60	38.75	20.00	30.00	5.00	8.40
286	O. H.	.....	Coal	12	60.00	Oil	36	4.32	35.00	20.00	50.00	.....	7.50
287	.....	96.00	Coal	12	36.00	Oil	40	4.00	60.00	30.00	50.00	2.00	.....
288	.....	36.00	Coal	.....	28.00	Oil	.....	5.00	35.00	20.00	25.00	15.00	.....
289	.....	48.00	Coal	.....	20.00	Oil	.....	4.00	55.00	33.00	.....	18.00	.....
290	.....	36.00	Coal	4	16.00	Oil	12	1.20	25.00	15.00	30.00	10.00	.....
291	.....	72.00	Coal	3	20.00	Oil	27	4.00	42.00	28.00	.....	14.00	.....
292	.....	60.00	Coal	.....	24.00	Oil	.....	3.50	40.00	25.00	10.00	12.00	.....
293	O. H.	.....	Coal	.....	24.00	Oil	50	5.00	30.00	30.00	75.00	17.00	10.00
294	O. H.	.....	Coal	10	40.00	Oil	50	5.00	40.00	25.00	90.00	10.00	12.00
295	.....	98.00	Coal	12	45.00	Oil	40	4.00	28.50	15.00	50.00	2.00	.....
296	.....	48.00	Coal	8	32.00	Oil	16	1.60	30.00	20.00	48.00	2.00	.....
297	.....	84.00	Coal	10	30.00	Oil	12	1.44	25.00	10.00	40.00	.....	.....
298	.....	60.00	Coal	10	39.00	Oil	60	6.00	30.00	12.00	55.00	72.00	.....
299	.....	60.00	Coal	10	50.00	Oil	18	2.16	37.50	25.00	.....	4.00	.....
300	O. H.	.....	Coal	.....	25.20	Oil	24	2.40	50.00	25.00	7.00	.....	11.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
\$2.00				\$24.00		\$6.00		\$40.00	\$4.80	\$6.00	\$10.00	\$213.40	226
				7.00				25.00	6.00	5.00	20.00	378.00	227
									4.80	4.00	10.00	251.80	228
				7.00		5.00			4.00	2.00	6.00	134.75	229
	\$12.90			15.00		1.00			5.00	15.00	12.00	198.00	230
									6.00	5.00	8.00	227.90	231
							\$2.40	72.00	8.40	6.00	24.00	168.00	232
								12.00	6.00	4.00	10.00	332.40	233
2.75	50.00			22.00		6.00		5.00	5.00	20.00	12.00	282.00	234
	20.80			6.00	\$3.00	6.00		6.00	4.80	25.00	22.00	376.75	235
	26.00			24.00		2.50			5.00	50.00	53.00	258.60	236
	36.00			10.00					5.00	30.00	26.00	421.50	237
.75	22.80			22.00		6.00			5.00	20.00	16.00	321.50	238
				18.00					5.00	25.00	10.00	399.75	239
				22.00		6.00			5.00	10.00	10.00	299.40	240
				8.00						30.00	12.00	214.30	241
				3.00		3.50			5.00	25.00	15.00	396.00	242
				5.50		2.50			5.00	70.00	12.00	219.90	243
				9.00		6.00			5.00	5.00	10.00	270.90	244
				12.00		6.00		10.00	6.00	5.00	10.00	286.30	245
				2.00		2.50			6.00	15.00	12.00	234.60	246
				8.00		4.50				3.00	12.00	246.80	247
				10.00		6.00			6.00	6.00	16.00	367.10	248
				18.00		6.00			6.00	10.00	12.00	217.40	249
				13.00		2.50			5.00	18.00	12.00	297.50	250
				11.00		2.50				10.50	12.00	345.50	251
1.25	10.40			10.00					7.75	3.00	12.00	223.25	252
				19.00		4.00			5.00	16.00	32.00	255.25	253
				7.00					4.00	70.00	10.00	297.56	254
				6.00		6.00	5.00		5.00	14.00	14.00	217.40	255
				10.00		3.00				5.00	10.00	191.75	256
		\$5.00		10.00		3.00			5.80	12.00	23.20	273.50	257
		4.00		10.00		3.00			4.00	26.00	15.00	200.50	258
				10.00		2.50	4.00		6.00	10.00	14.00	414.00	259
			12.00	6.00	10.00	6.00	34.00	60.00	6.00	4.00	10.00	191.50	260
				8.00					6.00	16.00	15.00	636.20	261
				26.00		1.00	5.00		7.00	20.00	20.00	224.00	262
	57.20		6.00	5.00	2.00	12.00			5.00	10.00	10.00	252.32	263
				5.00	5.00				5.00	30.00	12.00	302.00	264
	15.00			3.00		5.20			10.00	20.00	8.00	468.00	265
								3.00	6.00	5.00	11.25	204.11	266
5.00	8.00			7.80	3.00	12.00		24.00	10.00	60.00	5.00	252.50	267
	13.00					7.00		5.00	12.00	30.00	9.93	313.52	268
5.00	15.00			8.25	3.00	11.20			6.00	100.00	22.90	457.70	269
	13.00					8.00		5.00	12.00	50.00	15.45	392.20	270
2.00			9.00	12.00	6.00	12.00			12.00	85.00	8.50	358.30	271
2.75				4.00		8.50			10.00	6.00	11.56	228.06	272
				2.00				5.00	10.00	25.00	25.15	320.40	273
3.33			6.00	2.00		4.00			12.00	8.00	28.70	157.45	274
2.33	13.80			10.20		15.00	5.00	5.00	12.00	15.00	54.44	271.27	275
				1.50		3.75			3.00	75.00	45.60	449.43	276
						9.64		100.00	12.00		67.60	222.05	277
				2.00		6.50		10.00	9.00	12.00	205.00	422.56	278
2.50			6.00	2.00		7.50		9.00	6.00	3.00	7.30	266.20	279
				1.50		7.00			7.80	75.00	33.70	183.00	280
			6.00	1.00		2.00	15.00	25.00	6.00	12.00	11.00	318.80	281
6.00			6.00	10.00	1.50	40.00	12.00		9.60	15.00	39.50	236.20	282
2.25				10.00	4.00	12.00	8.00				45.00	295.40	283
3.25				4.00	1.00	3.25	3.00					401.65	284
2.75	30.00		3.00	2.00	1.00	5.00	3.00	10.00	9.00	10.00	13.00	199.75	285
	18.00			6.00		2.00			4.00		30.00	267.57	286
						2.00			15.00	6.00	16.50	361.50	287
				2.00		6.00	5.00	10.00	3.00	20.00	9.00	219.00	288
				3.00		4.00	2.00	7.00	2.00	10.00	9.00	215.00	289
	6.00	\$13.00		1.00		10.00	125.00	16.00	3.00	20.00	10.00	337.20	290
				1.00		3.00	3.00	6.00	5.00	10.00	7.00	215.00	291
				2.00		4.00	2.00	5.00	4.00	20.00	5.00	216.50	292
6.33				2.00		6.00	7.00	7.00	6.00	18.00	9.50	252.83	293
17.00				4.00		12.00	5.00	4.00	2.00	7.00	23.50	296.50	294
				1.00		3.00	2.00	10.00	5.00	27.00	5.50	294.00	295
				1.50		2.00	3.00	5.00	3.00	17.00	6.80	219.90	296
						2.00		10.00	5.00	25.00	7.30	259.74	297
	15.00			5.00		3.00		4.00	8.32	5.00	15.40	313.37	298
						5.20		25.00	10.00	10.00	9.50	238.36	299
	15.00			3.00		5.20		52.00	12.00	25.00	6.00	223.80	300



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
301	2	\$60.00	Coal.	8	\$20.00	Oil...	12	\$1.20	\$30.00	\$50.00	\$15.00	\$87.00	.....
302	2	72.00	Coal.	6	15.00	Oil...	12	1.20	25.00	15.00	5.00	50.00	.....
303	4	72.00	Coal.	10	24.00	Oil...	50	5.00	25.00	25.00	75.00	.....	.....
304	4	84.00	.....	.....	28.00	Oil...	20	2.00	15.00	12.00	50.00	18.00	.....
305	3	84.00	Coal.	12	30.00	Oil...	18	1.80	40.00	30.00	100.00	.....	.....
306	O. H.	.....	.....	.....	25.00	Oil...	48	4.80	15.00	25.00	50.00	.....	\$4.85
307	O. H.	.....	Coal.	7	17.50	Oil...	24	2.40	35.00	30.00	52.00	.....	19.75
308	3	84.00	Coal.	.....	24.00	Oil...	24	2.40	75.00	35.00	40.00	.....	2.40
309	O. H.	.....	Coal.	.....	31.50	Oil...	15	1.80	40.00	18.00	60.00	.....	26.78
310	O. H.	.....	Coal.	.....	21.00	Oil...	12	1.80	45.00	25.00	.....	.....	10.40
311	O. H.	.....	Coal.	.....	38.50	Oil...	36	5.40	30.00	15.00	80.00	.....	14.00
312	O. H.	.....	Coal.	.....	35.00	Oil...	30	4.50	35.00	12.00	75.00	5.00	13.75
313	O. H.	.....	Coal.	.....	35.00	Oil...	20	3.00	38.00	15.00	75.00	5.00	12.50
314	.....	72.00	Coal.	.....	25.00	Oil...	30	4.50	35.00	20.00	60.00	10.00	.....
315	O. H.	.....	Coal.	.....	22.75	Oil...	12	1.80	40.00	25.00	25.00	20.00	20.75
316	O. H.	.....	Coal.	.....	21.00	Oil...	24	3.60	33.00	35.00	75.00	25.00	12.00
317	O. H.	.....	Coal.	.....	42.00	Oil...	24	3.60	40.00	25.00	100.00	10.00	8.00
318	O. H.	.....	Coal.	.....	38.00	Oil...	40	6.00	35.00	10.00	75.00	40.00	25.00
319	O. H.	.....	Coal.	.....	35.00	Oil...	24	3.60	35.00	30.00	50.00	10.00	12.50
320	O. H.	.....	Coal.	.....	28.00	Oil...	13	2.00	30.00	10.00	25.00	5.00	12.00
321	O. H.	.....	Coal.	.....	24.50	Oil...	9	1.20	38.00	15.00	25.00	20.00	6.00
322	O. H.	.....	Coal.	.....	31.50	Oil...	12	1.80	50.00	60.00	25.00	25.00	14.00
323	O. H.	.....	Coal.	.....	32.20	Oil...	15	2.25	40.00	38.50	50.00	3.00	13.85
324	O. H.	.....	Coal.	.....	16.80	Oil...	24	3.36	.....	.....	.....	.....	11.00
325	O. H.	.....	Coal.	13	40.00	Oil...	30	3.60	30.00	14.50	60.00	5.00	12.00
326	O. H.	.....	Coal.	12	36.00	Oil...	44	5.28	30.00	15.00	100.00	.....	11.80
327	O. H.	.....	Coal.	12	36.00	Oil...	20	2.40	27.50	20.00	35.00	.....	8.00
328	O. H.	.....	Coal.	13	40.00	Oil...	18	2.16	35.00	20.00	95.00	.....	11.00
329	.....	72.00	Coal.	10	30.10	Oil...	15	1.80	45.00	50.00	.....	.....	.....
330	O. H.	.....	Coal.	13	40.00	Oil...	24	2.88	38.20	20.00	75.00	3.00	11.50
331	O. H.	.....	Coal.	12	36.00	Oil...	24	2.88	40.00	25.00	100.00	5.00	12.75
332	O. H.	.....	Coal.	12	36.00	Oil...	36	4.32	32.00	12.00	75.00	.....	10.00
333	O. H.	.....	Coal.	12	36.00	Oil...	15	1.80	25.00	12.00	.....	.....	1.10
334	O. H.	.....	Coal.	13	40.00	Oil...	25	3.00	26.00	15.00	75.00	3.00	20.00
335	O. H.	.....	Coal.	13	40.00	Oil...	24	2.88	30.00	13.00	50.00	2.00	7.50
336	O. H.	.....	Coal.	13	39.00	Oil...	30	4.32	42.00	20.00	137.50	.....	10.00
337	O. H.	.....	Coal.	13	40.00	Oil...	30	3.60	35.00	18.00	100.00	6.75	12.50
338	O. H.	.....	Coal.	13	40.00	Oil...	20	2.40	40.00	.....	50.00	.....	16.00
339	O. H.	.....	Coal.	10	30.00	Oil...	30	3.60	32.00	14.25	100.00	.....	10.00
340	O. H.	.....	Coal.	13	40.00	Oil...	30	3.60	27.50	20.00	135.00	6.00	13.80
341	O. H.	.....	Coal.	.....	8.75	Oil...	48	4.80	35.00	20.00	11.75	.....	5.00
342	O. H.	.....	Coal.	.....	17.50	Oil...	24	3.36	30.00	25.00	15.00	15.00	20.00
343	O. H.	.....	Coal.	11	27.50	Oil...	18	2.70	25.00	.....	40.00	.....	17.00
344	4	60.00	Coal.	.....	17.50	Oil...	22	2.20	35.00	25.00	30.00	.....	.....
345	O. H.	.....	Coal.	.....	17.85	Oil...	24	2.40	25.00	20.00	60.00	.....	15.00
346	O. H.	.....	Coal.	12	30.00	Oil...	24	2.40	25.00	15.00	50.00	30.00	5.00
347	.....	84.00	Coal.	.....	24.50	Oil...	15	1.80	27.50	10.00	100.00	.....	.....
348	O. H.	.....	Coal.	.....	25.00	Oil...	15	3.00	65.00	25.00	15.00	10.00	5.50
349	O. H.	.....	Coal.	.....	21.00	Oil...	20	3.00	40.00	25.00	20.00	.....	7.00
350	.....	72.00	Coal.	.....	35.00	Oil...	15	2.25	35.00	30.00	.....	25.00	.....
351	O. H.	.....	Coal.	.....	30.00	Oil...	16	2.40	40.00	15.00	50.00	10.00	8.00
352	O. H.	.....	Coal.	12	60.00	Oil...	48	5.76	40.00	25.00	50.00	10.00	11.40
353	.....	72.00	Coal.	13	52.00	Oil...	.....	5.20	40.00	12.00	75.00	.....	.....
354	.....	72.00	Coal.	12	36.00	Oil...	24	2.88	28.75	13.40	50.00	2.00	.....
355	O. H.	.....	Coal.	12	36.00	Oil...	20	2.40	30.00	15.00	50.00	2.00	9.80
356	O. H.	.....	Coal.	13	38.00	Oil...	24	2.88	37.50	25.00	125.00	10.00	14.00
357	O. H.	.....	Coal.	13	40.00	Oil...	36	4.32	38.50	30.00	.....	10.00	50.00
358	O. H.	.....	Coal.	13	40.00	Oil...	30	3.60	35.00	25.00	100.00	5.00	10.00
359	O. H.	.....	Coal.	.....	40.00	Oil...	36	4.32	38.50	20.00	150.00	5.00	25.00
360	.....	48.00	Coal.	10	30.00	Oil...	36	4.32	28.50	30.00	20.00	10.00	.....
361	.....	60.00	Coal.	12	36.00	Oil...	20	2.40	23.00	10.00	100.00	.....	.....
362	.....	60.00	Coal.	12	36.00	Oil...	24	2.88	33.00	20.00	80.00	.....	.....
363	.....	96.00	.....	.....	35.00	.....	.....	2.90	50.00	20.00	20.00	.....	2.08
364	4	60.00	.....	.....	18.00	.....	.....	4.20	12.00	7.50	12.00	10.00	1.21
365	7	96.00	.....	.....	21.00	.....	.....	4.85	48.00	32.50	92.00	20.00	2.35
366	5	72.00	.....	.....	18.00	.....	.....	5.80	40.00	15.00	45.00	9.00	1.61
367	5	96.00	.....	.....	30.00	.....	.....	4.50	40.00	40.00	25.00	8.75	1.41
368	O. H.	.....	.....	.....	15.00	.....	.....	2.40	20.00	4.75	10.00	.....	18.46
369	4	54.00	.....	.....	12.00	.....	.....	3.84	40.00	25.00	60.00	13.00	1.79
370	6	84.00	.....	.....	20.00	.....	.....	5.00	75.00	30.00	30.00	26.00	2.41
371	5	72.00	.....	.....	22.40	.....	.....	4.50	80.00	45.00	30.00	26.70	1.68
372	5	60.00	.....	.....	30.00	.....	.....	4.80	46.00	26.00	40.00	72.00	1.46
373	5	60.00	.....	.....	25.00	.....	.....	2.40	20.00	25.00	35.00	143.00	1.40
374	4	60.00	.....	.....	12.00	.....	.....	4.50	35.00	20.00	25.00	21.00	1.28
375	4	48.00	.....	.....	12.00	.....	.....	1.92	25.00	10.00	4.00	38.00	2.74



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- got num- ber.
Prop- erty.	Life.	La- bor.	Other.										
					\$1.00	\$5.00		\$25.00		\$10.00	\$5.00	\$303.20	301
	\$18.00	\$5.00			2.00	2.00		15.00	\$5.00	10.00	4.00	223.20	302
	24.00				2.50	5.20		25.00	24.00	40.00	7.00	349.00	303
						2.00		2.00	10.00	10.00	8.00	270.70	304
\$9.00			\$3.00	\$20.00		2.00		25.00	6.20	30.00	7.00	356.00	305
5.00						15.00			6.00		46.00	228.85	306
3.00		6.00	6.00		5.00	5.00			15.60		8.00	190.25	307
4.00	6.00		6.00	5.00		1.50			9.00	40.00	6.75	343.55	308
2.33				6.00	1.50	3.50		2.00	2.00	15.00	29.00	174.53	310
3.33		7.20			2.00	3.50		5.00	3.00	28.25	70.75	305.93	311
4.00		7.20		4.00		8.50			6.00	20.00	4.00	233.95	312
2.33		7.20			2.00	8.60		5.00	6.00	14.00	20.00	248.63	313
		7.20			1.50	8.00	\$6.00			20.00	54.50	323.70	314
2.40		10.00		5.00	2.00	4.00	15.00		7.20	21.00	10.50	238.40	315
2.33				18.00		3.50		39.00			5.00	222.60	316
1.92		10.00		4.00	2.00	6.00			12.00	12.00	7.40	283.92	317
3.00			3.00	3.00	2.00	6.50	10.00	5.00	3.60	10.00	48.00	323.10	318
3.00		10.00		12.00		2.00	20.00	50.00	6.00	100.00	15.60	394.70	319
2.00		10.00	2.00		4.00	6.00		15.00	4.80	50.00	16.70	222.50	320
2.16		7.20		7.20	2.00	2.00		9.00	6.00	25.00	73.00	263.26	321
2.00				12.00		3.00	10.00			50.00	28.00	312.30	322
2.00				8.00		4.75		7.20	9.00	35.00	18.25	264.00	323
				2.60				20.00		45.00	45.00	143.16	324
2.33	15.00			25.00		7.40				25.00	133.75	373.58	325
3.75	15.00			5.00		5.20			12.00	7.75	95.00	341.78	326
2.25	15.00			10.00		5.20		5.00	9.00	12.00	72.25	259.60	327
4.00	15.00			15.00		5.00		15.00	12.00	3.00	23.35	300.51	328
	15.00			7.00	2.00	2.00		9.00	6.00	5.00	13.60	258.50	329
4.00				10.00		3.50		12.00	12.00	18.00	48.00	298.08	330
3.75	15.00			7.00		6.20		6.00	5.00	12.00	116.05	302.63	331
3.00	15.00			10.00		7.00		3.00	3.00	6.00	10.25	226.57	332
1.20	15.00	2.00		10.00				25.00	12.00	50.00	52.50	243.60	333
4.00	15.00			20.00		2.00		3.00	10.00	50.00	131.00	417.00	334
2.85	15.00			18.00		2.00			6.00	40.00	62.00	293.23	335
3.33				15.00		5.00			3.60	10.00	127.00	416.75	336
3.85	15.00			15.00		2.00		5.00	3.00	15.00	12.25	287.95	337
4.00	15.00			30.00				5.00	12.00		134.25	348.65	338
3.33	15.00			8.00		2.00		10.00	6.00	15.00	6.25	255.43	339
3.33	15.00			6.00		10.00		3.00	7.00	5.00	3.75	298.98	340
6.50		6.00				3.00		19.50	5.20	15.00	6.00	146.50	341
10.00		6.00		4.00		5.50			10.40	18.00	5.75	185.51	342
14.00	55.00			4.00	1.00	8.00		10.00	3.00	116.00	8.00	331.20	343
		6.00		2.00	3.00	1.50		12.00	5.20	15.00	6.00	220.40	344
8.70		6.00	5.00	2.00		3.50		10.00	12.00	20.00	5.00	212.45	345
9.00			6.00	10.00	5.00	5.20		10.00	12.00	80.00	6.00	300.60	346
				4.00		4.50		6.00	3.00	10.00	9.65	284.05	347
				4.00	.50	6.00		3.00	12.00	50.00	7.70	231.70	348
				4.00	1.00	10.50	2.00	10.00	12.00		6.70	162.20	349
				1.50	10.00			25.00	12.00	25.00	5.00	277.75	350
				4.00	.50	6.00		3.00	5.00	10.00	4.50	188.40	351
3.33		4.50		15.00	2.50	7.25	5.00	15.00	9.00	25.00	11.00	299.74	352
				12.00	4.00	8.50		15.00	5.40	30.00	15.00	346.10	353
	15.00			10.00		6.41		10.00	8.00	12.00	7.20	273.64	354
2.50	15.00			12.00		4.00		10.00	6.00	12.00	67.30	274.00	355
4.00	15.00			12.00	3.00	4.00		8.00	3.00	20.00	11.20	332.58	356
25.00	15.00			50.00		5.20		15.00	15.00	10.00	15.75	323.77	357
5.00	15.00			25.00		5.20		75.00	12.00	15.00	20.25	391.05	358
15.00	15.00			25.00		8.20		60.00	12.00	10.00	63.00	491.02	359
	15.00			20.00		5.20			10.00	15.00	45.00	281.02	360
				1.50		10.20		3.00	12.00	25.00	11.20	294.30	361
	15.00			20.00		10.00			6.00	30.00	8.75	321.63	362
				8.50	10.00	5.00		10.00	15.00	33.00	29.30	336.78	363
				6.50		3.00		2.00	6.00	20.00	10.00	172.41	364
				8.50	5.00	7.70		6.00	24.00	50.00	31.00	448.90	365
	12.00			3.00		6.75			12.00	18.00	15.00	273.16	366
				8.00	3.00	4.85	10.00	15.00	6.00	35.00	24.50	352.01	367
7.00		3.00		5.00		2.00	.50		13.00	21.00	30.00	152.11	368
		1.50		8.00	5.00	10.00	6.00		10.40	55.00	26.75	332.28	369
				4.00		8.50	5.00	12.00	9.00	25.00	20.00	355.91	370
				5.20		10.50	8.00	13.00	18.25	8.00	10.00	355.23	371
				3.00	4.00	5.50		52.00	16.20	16.00	48.50	425.46	372
					3.00	5.50		13.00	12.80	10.50		356.60	373
				5.20		2.60		25.00	18.25	30.00	16.00	275.83	374
				2.00		.50	2.00	10.00	12.00	10.00	24.50	202.66	375

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
376	O. H.				\$22.00			\$4.32	\$85.00	\$75.00		\$50.00	\$13.67
377	5	\$48.00			12.00			4.80	20.00	12.00		\$50.00	6.00
378	6	72.00			24.00			6.00	30.00	18.00		50.00	12.50
379	5	72.00			20.00			4.75	10.00	8.00		35.00	15.00
380	5	84.00			24.00			7.20	40.00	25.00		65.00	30.00
381	4	60.00			14.75			2.85	52.00	23.80	11.50		1.79
382	3	48.00			12.00			4.00	50.00	35.00		16.00	1.21
383	7	110.00			27.00	Oil		9.50	20.00	20.00		65.00	7.00
384	6	96.00			26.00	Oil		9.00	18.00	18.00	80.00	7.00	
385	O. H.				27.00	Oil		9.00	25.00	25.00		8.00	40.50
386	7	84.00			21.00	Oil		8.50	18.00	18.00	36.00	6.00	
387	6	75.00			22.00	Oil		9.75	17.00	25.00		13.00	
388	6	96.00			25.00	Oil		8.00	20.00	15.00	50.00	5.00	
389	8	120.00			25.00	Oil		9.75	30.00	20.00	75.00	6.00	
390	6	84.00			24.00	Oil		7.80	16.00	20.00	35.00	5.00	
391	5	90.00			23.50	Oil		9.00	20.00	20.00	30.00	6.00	
392	6	70.00			26.00	Oil		8.00	25.00	20.00	28.00	10.00	
393	7	95.00			29.00	Oil		9.00	20.00	21.00	50.00	5.00	
394	5	56.00			21.00	Oil		7.50	18.00	18.00	24.00	5.00	
395	8	96.00	Coal	18	54.00	Oil	36	4.32	40.00	25.00	50.00	51.00	1.80
396	4	48.00	Coal	12	36.00	Oil	40	5.20	15.00	33.25	26.00	38.00	1.40
397	3	42.00	Coal	12	36.00	Oil	26	2.30	18.40	5.75	20.00	26.50	
398	4	48.00	Coal	12	33.00	Oil	40	5.00	43.50	15.00	13.50	5.00	1.40
399	4	48.00	Coal	12	36.00	Oil	26	3.90	30.00	10.25	76.25	40.00	2.75
400	3	36.00	Coal	10	30.00	Oil	20	3.00	50.00	19.00	18.00	60.85	1.25
401	4	72.00	Coal	22	66.00	Oil	36	4.32	42.30	21.00	23.00	14.20	2.55
402	3	48.00	Coal	10	26.50	Oil	26	3.90	34.75	17.50	40.00	10.50	1.50
403	7	80.00	Coal	13	43.75	Oil	26	3.90	42.50	25.00		50.00	3.50
404	6	96.00	Coal	12	33.00	Oil	26	3.90	40.50	9.00	122.95	3.50	6.00
405	4	48.00	Coal	11	30.25	Oil	26	3.90	21.75	8.00	24.00	116.70	2.00
406	4	48.00	Coal	13	39.00	Oil	30	3.00	23.15	6.70	70.00	15.00	1.41
407	4	50.00	Coal	12	33.00	Oil	13	1.95	15.00	20.00		10.00	4.50
408	3	48.00	Coal	12	33.00	Oil	30	4.50	42.50	26.80	32.00	36.50	3.75
409	3	49.20	Coal	12	36.00	Oil	48	4.80	12.50	11.00	3.00	10.75	1.43
410	4	48.00	Coal	12	33.00	Oil	26	3.90	42.25	23.25	33.00	66.00	3.31
411	O. H.		Coal	12	33.00	Oil	26	3.90	33.00	16.50	31.00	25.25	8.30
412	6	48.00	Coal	12	33.00	Oil	26	3.90	15.50	6.00		5.25	1.75
413	4	72.00	Coal	14	38.50	Oil	50	5.00	20.00	25.00	15.00	3.00	1.45
414		200.00	Gas		20.00			3.00	25.00	20.00	40.00	8.00	4.00
415	4	60.00	Coal	10	27.50	Oil	40	4.00	50.75	10.00	45.35	35.50	2.00
416	O. H.		Gas		25.00	Oil	36	3.60	23.00	20.00	30.00	30.50	9.20
417	O. H.				27.75	Oil	40	4.00	70.50	61.00	25.20	24.00	14.00
418	4	30.00	Coal	10	26.00	Oil	26	2.60	19.00	13.25	35.00	22.50	2.35
419	3	42.00	Coal	10	25.00	Oil	13	1.30	21.00	9.00	18.00	15.75	2.00
420	3	48.00	Coal	10	27.50	Oil	26	2.60	14.35	19.00	9.00	17.00	1.75
421	4	72.00	Gas		25.00	Oil	20	2.00	47.10	14.50	30.00	24.00	2.50
422	6	72.00			27.50	Oil	26	2.60	16.25	19.00		17.00	2.00
423	5	55.00			22.00	Oil		8.00	18.50	18.00	35.00	16.00	
424	5	60.00			18.00	Oil		5.50	19.00	16.00	23.00	18.00	
425	5	62.00			14.50	Oil		7.00	16.00	16.00		10.00	
426	6	70.00			19.00	Oil		8.00	15.00	15.00	25.00	5.00	
427	4	50.00			13.50	Oil		7.50	16.00	16.00	28.00	8.00	
428	6	60.00			21.00	Oil		8.00	18.00	18.00	40.00	5.00	
429	4	56.50			21.00	Oil		7.00	20.00	12.00		10.00	
430	5	50.00			21.00	Oil		7.50	16.50	16.00	12.00	6.00	
431	4	48.00			14.50	Oil		6.00	23.00	20.00		13.00	
432	5	50.00			15.50	Oil		7.00	18.00	15.00	20.00	12.00	
433	6	58.00			18.00	Oil		6.50	20.00	18.00	28.00	8.00	
434	6	62.50			19.00	Oil		7.50	28.00	21.00		6.00	
435	8	90.00			26.00	Oil		9.00	17.50	18.00	60.00	5.00	
436	5	50.00			20.00	Oil		8.00	15.00	15.00		8.00	
437	3	24.00	Coal	13	25.75	Oil	36	3.60	41.00	10.00	32.00	12.50	1.25
438	3	24.00	Coal	10	27.50	Oil	16	1.60	57.50	20.00	12.00	22.60	1.20
439	3	57.00	Gas		25.00	Oil	26	2.60	25.00	25.00	32.00	24.50	2.25
440	O. H.		Coal	12	36.00	Oil	26	3.90	25.50	6.00	15.00	1.00	6.00
441	5	84.00	Coal	10	30.00	Oil	26	3.12	20.00	28.00	24.00	16.00	1.35
442	3	36.00	Coal	11	30.25	Oil	30	4.50	13.50	12.00	27.00	8.50	2.30
443	5	36.00	Coal	12	33.60	Oil	13	1.95	39.00	40.00	70.00	21.75	1.51
444	O. H.		Coal	12	33.00	Oil	26	2.60	55.25	20.00	25.00	24.00	3.55
445	O. H.		Coal	18	40.50	Oil	40	4.00	15.00	11.00	144.00	80.00	14.00
446	4	60.00	Coal	12	33.00	Oil	26	3.12	11.50	8.00	53.00	64.50	2.00
447	5	60.00	Coal	12	31.80	Oil	13	1.95	14.00	9.00	15.00	3.00	3.26
448	O. H.		Coal	10	30.00	Oil	26	3.90	21.50	13.00	18.00	3.00	2.00
449	5	36.00	Coal	13	35.75	Oil	40	4.00	28.50	26.50	56.75	63.50	2.35
450	3	36.00	Coal	10	27.50	Oil	20	2.40	9.00	8.60		17.50	1.10



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	Lab- or.	Other.										
		\$5.80		\$6.00	\$15.00	\$13.50	\$22.00	\$25.00	\$36.00	\$50.00	\$31.00	\$453.69	376
				3.00	2.50	4.60	11.50		16.00	12.00	25.00	229.80	377
				7.00	3.50	13.50			6.00	30.00	26.00	300.91	378
\$3.50						2.60			12.00	22.00	14.00	216.81	379
	\$14.00			2.50		20.00	13.00		36.25		20.00	373.07	380
				6.00		10.00		12.00	37.20	4.85	21.00	271.74	381
		\$12.00		2.00	3.00	7.50				15.00	13.00	206.71	382
						6.00			13.00	64.00	25.00	378.50	383
17.00	18.00	7.00	43.00	14.00	2.50	5.00			5.00	32.00	25.00	331.50	384
			12.00			8.00			14.50	13.00	43.00	314.00	385
	18.50	7.00		5.00	5.00	5.00		6.00	13.00	5.00	20.00	252.50	386
						7.00		6.00	14.00		30.00	254.25	387
			12.00	5.00		4.00			14.00	14.00	20.00	271.00	388
			8.00			7.00	10.00	5.00		5.00	20.00	339.75	389
		8.00			3.00	6.00		4.00		5.00	20.00	237.80	390
		7.00			2.00	5.00			16.00	12.00	23.00	272.50	391
			14.50		5.00	6.00			14.50	6.00	20.00	265.50	392
		8.00			5.00	7.00		4.50	13.75	3.00	21.00	295.75	393
				12.00	5.00	6.00	2.50		16.00	5.00	20.00	218.50	394
					5.00	6.70			25.00	10.00	31.00	413.62	395
				4.00	1.50			36.00	26.00	5.00	36.00	317.55	396
					1.50	.75	4.00		13.00	2.00	7.80	183.55	397
				1.00	5.00	10.00	15.80	12.00	15.60	5.00	17.20	232.25	398
	11.00				4.00	5.30	1.00	3.00	30.00	10.00	26.80	333.95	399
				2.50	4.00	4.10		6.00	18.00	25.00	22.60	323.00	400
				7.00	2.00	.50		2.75	8.40	38.00	35.40	345.52	401
8.00			50.00	19.00	5.00	5.60	21.00		12.00	10.00	16.60	251.75	402
		10.40	3.00	3.00	5.00	4.25			13.00	2.00	23.60	374.85	403
				1.00	1.50	.35	1.40		24.00	18.00	120.70	503.20	404
					2.00	1.95			9.00	50.00	19.00	336.85	405
		5.20	12.00	2.00	2.00	5.50	2.50		8.00	35.00	16.20	269.41	406
				12.00	2.50	13.70	13.00		6.00	25.00	29.20	223.85	407
					1.75	3.40	3.00		3.60	12.00	25.80	309.65	408
				5.00	2.50	15.20			6.00	69.50	13.30	225.93	409
						3.50	25.00	13.00	18.00	10.00	82.20	385.61	410
		5.20	24.00	12.00	1.50	3.40			13.00	20.00	43.60	257.05	411
									7.20	10.00	22.20	230.90	412
				12.00		6.50				35.00	15.00	221.65	413
					1.50	20.80	8.90	6.00	13.00	2.00	46.20	388.50	414
2.00			10.00	1.00	2.00	2.50			13.00	2.00	82.00	333.50	415
3.00			6.00	5.00	5.00	7.50	1.00		13.00	15.00	106.20	256.80	416
				.75	1.50	2.50			13.00	10.00	13.50	393.95	417
				1.00	2.00		17.20	6.00	10.00	10.00	13.50	191.95	418
				1.00	1.00	5.20	2.50	13.00		2.00	41.30	203.55	419
		2.00		2.50	2.50	2.50	1.50	18.00	8.55	66.00	7.00	243.45	420
				1.00	1.00				13.00	6.00	24.20	283.80	421
		8.00		3.00	3.00	6.00			13.00	5.00	9.30	185.65	422
		10.00		2.00	2.00	8.00		5.00	16.00	10.00	30.00	253.50	423
				5.00	3.00	5.00		4.00	13.25	18.00	16.00	235.75	424
						6.00			16.00	5.00	13.00	172.50	425
12.50				5.00		6.00			12.50	5.00	15.00	213.00	426
				7.00	2.00	3.00		5.00	15.00	5.00	12.00	188.00	427
		7.00	12.00	5.00	3.00	6.00		5.00		12.00	15.00	223.00	428
			8.00	3.00	2.00	6.00			13.00	5.00	21.00	201.50	429
12.00				4.00	2.00	5.00			13.50	5.00	16.00	182.50	430
		6.00		4.00	1.00	6.00					20.00	167.50	431
12.00				3.00	3.00	7.00				17.00	21.00	192.50	432
		6.00		4.00	4.00	5.00				13.00	20.00	214.50	433
	12.50			4.00	4.00	5.00		6.00	13.00		20.00	202.00	434
			7.00	5.00	2.00	7.00		4.00	14.00	12.00	15.00	304.00	435
			11.00	4.00	2.00	5.00		6.00	12.00	6.00	35.00	197.00	436
				1.50	1.50	2.50		3.50	6.00	12.00	16.50	203.60	437
				5.00	5.00	10.50		32.00	13.00	5.00	14.60	251.50	438
				5.00	1.00	8.00	8.00	2.00	6.00	10.00	13.00	246.35	439
					5.00					5.00	38.70	142.10	440
				7.00	2.50	20.75	5.00		13.00	10.00	44.70	301.42	441
				2.00		6.00	.35			25.10	15.60	190.60	442
						20.20			9.00	8.00	27.20	310.21	443
2.00				8.00	6.00	10.00	10.00	18.00	13.00	25.00	73.00	318.40	444
				5.00	7.20					25.00	117.60	463.30	445
		4.20	5.70	3.00	2.50	3.50	4.00		13.00	2.50	14.00	284.62	446
			4.80	4.00	1.00	3.00		4.80	15.00	31.20		205.91	447
6.30				2.50	5.20			15.60	6.00	25.70		161.50	448
		12.00	5.00	5.00	8.50	7.00		16.50	5.00	37.20		349.55	449
				.50	6.10			1.00	13.00	1.50	20.95	145.15	450



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.		
451	3	\$42.00	Coal.	12	\$33.00	Oil...	20	\$2.00	\$13.80	\$9.50	\$49.00	\$27.15	\$2.35
452	5	60.00	Coal.	12	33.00	Oil...	36	5.40	23.50	15.00	35.00	157.15	-----
453	O. H.	-----	Coal.	12	33.00	Oil...	20	2.00	31.50	7.50	20.00	5.00	10.50
454	5	96.00	Coal.	12	33.00	Oil...	26	3.90	25.00	10.00	18.00	30.50	1.30
455	4	60.00	Coal.	11	33.00	Oil...	26	2.60	26.25	17.25	18.00	18.75	2.35
456	4	84.00	Gas.	-----	25.00	Oil...	30	4.50	79.75	35.00	25.00	56.50	2.50
457	O. H.	-----	Gas.	-----	35.00	Oil...	40	4.00	30.00	40.00	160.00	50.00	15.00
458	5	60.00	Coal.	12	33.00	Oil...	30	3.00	35.00	10.00	12.00	27.00	1.50
459	5	84.00	Coal.	11	30.25	Oil...	26	2.60	25.75	21.50	16.00	19.00	1.35
460	O. H.	-----	Gas.	-----	45.00	Oil...	50	5.00	59.00	32.50	10.00	35.00	15.00
461	O. H.	-----	Coal.	8	22.00	Oil...	20	2.00	12.75	9.60	5.00	3.00	3.50
462	6	72.00	Coal.	11	33.00	Oil...	50	5.00	49.40	10.00	-----	8.00	2.35
463	5	60.00	Coal.	13	35.75	Oil...	26	2.60	20.65	15.63	16.00	71.50	-----
464	5	66.00	Coal.	10	27.50	Oil...	26	3.90	11.50	4.50	24.00	7.50	2.20
465	O. H.	-----	Coal.	11	27.50	Oil...	20	3.00	14.05	5.50	15.50	3.75	3.45
466	5	40.00	Coal.	11	30.25	Oil...	20	2.00	71.00	43.50	35.00	35.50	7.00
467	5	60.00	Coal.	12	33.00	Oil...	26	2.60	11.00	6.30	96.00	10.00	3.50
468	5	72.00	Coal.	11	30.25	Oil...	30	4.50	16.15	8.75	28.00	22.75	2.25
469	5	60.00	Coal.	12	36.00	Oil...	20	3.00	33.00	20.00	18.00	12.10	1.50
470	5	84.00	-----	-----	38.00	Oil...	26	3.12	26.00	33.80	-----	16.00	2.33
471	6	60.00	Coal.	10	27.50	Oil...	26	2.60	10.00	6.00	8.00	2.00	2.00
472	5	60.00	Coal.	11	30.25	Oil...	26	2.60	32.50	18.50	35.00	15.00	2.00
473	5	63.00	Coal.	10	27.50	Oil...	26	2.60	20.00	16.50	75.00	2.00	-----
474	5	66.00	Coal.	12	36.00	Oil...	26	3.12	33.70	24.25	16.00	14.50	2.00
475	5	60.00	Coal.	11	30.25	Oil...	26	2.60	13.25	13.00	101.00	36.50	1.50
476	6	96.00	Coal.	12	33.00	Oil...	13	1.30	26.00	10.00	44.00	23.00	1.41
477	4	96.00	Coal.	12	33.00	Oil...	30	3.00	48.50	26.50	15.00	10.00	6.00
478	5	96.00	Coal.	16	48.00	Oil...	40	6.00	41.00	26.50	125.00	123.00	2.30
479	O. H.	-----	Coal.	13	35.75	Oil...	23	3.12	38.00	15.00	72.00	23.00	11.60
480	5	72.00	Coal.	14	42.00	Oil...	40	4.00	19.75	12.50	60.00	22.75	6.00
481	O. H.	-----	Coal.	14	33.50	Oil...	40	4.00	25.00	34.10	34.00	46.00	10.50
482	4	40.00	Coal.	8	24.00	Oil...	22	3.30	38.59	106.75	-----	74.00	-----
483	4	50.00	Coal.	12	33.00	Oil...	49	4.00	18.25	5.00	5.00	41.00	1.50
484	4	48.00	Coal.	12	33.00	Oil...	18	1.80	25.75	17.50	29.00	40.00	1.50
485	O. H.	-----	Coal.	12	33.00	Oil...	26	2.60	15.00	5.00	41.25	2.50	6.00
486	3	54.00	Coal.	10	30.00	Oil...	13	1.30	18.00	31.00	11.00	86.50	1.41
487	8	132.00	Coal.	18	54.00	Oil...	60	6.00	35.00	50.00	147.00	200.00	17.50
488	4	78.00	Coal.	10	30.00	Oil...	18	2.70	50.00	69.00	-----	39.00	1.41
489	4	72.00	Coal.	12	36.00	Oil...	40	6.00	56.50	46.50	10.00	61.50	1.41
490	O. H.	-----	Coal.	13	39.00	Oil...	26	2.60	68.00	24.50	22.00	7.50	12.00
491	O. H.	-----	Coal.	12	33.00	Oil...	26	3.90	52.50	20.50	26.25	18.00	9.55
492	4	48.00	Coal.	14	31.50	Oil...	40	4.00	23.00	22.50	65.00	57.50	2.30
493	O. H.	-----	Coal.	10	27.50	Oil...	13	1.30	11.00	11.00	50.00	24.00	8.00
494	5	81.00	Coal.	12	33.00	Oil...	36	4.32	28.00	32.00	30.00	17.25	5.00
495	O. H.	-----	Coal.	13	39.00	Oil...	26	2.60	18.00	12.00	17.00	17.00	13.00
496	4	72.00	Coal.	12	33.00	Oil...	26	3.90	20.00	16.00	85.00	6.50	1.50
497	4	54.00	Coal.	5	13.75	Oil...	5	.50	47.25	19.00	10.00	3.00	2.26
498	6	96.00	Coal.	12	33.00	Oil...	26	2.60	20.00	15.00	37.00	7.50	1.50
499	O. H.	-----	Coal.	12	39.00	Oil...	40	4.00	59.00	35.00	111.00	55.09	10.00
500	5	60.00	Coal.	12	30.00	Oil...	26	2.60	24.50	12.00	94.50	23.00	1.41
501	5	54.00	Coal.	12	31.20	Oil...	26	3.90	20.50	13.00	28.00	7.00	2.40
502	4	48.00	Coal.	10	27.50	Oil...	40	4.00	45.65	15.90	22.00	3.00	2.40
503	5	58.00	Coal.	12	33.00	Oil...	40	4.00	51.50	13.00	10.00	63.00	1.41
504	O. H.	-----	Coal.	12	36.00	Oil...	26	2.60	17.00	12.00	35.00	10.00	8.75
505	O. H.	-----	Coal.	12	33.00	Oil...	26	3.90	23.50	14.00	75.00	8.50	12.00
506	5	66.00	Coal.	12	36.00	Oil...	13	1.95	17.75	20.50	-----	3.60	1.41
507	O. H.	-----	Coal.	12	33.00	Oil...	13	1.30	30.00	11.00	45.00	15.00	6.50
508	O. H.	-----	Coal.	18	45.00	Oil...	26	2.60	48.50	48.50	92.00	23.00	18.00
509	O. H.	-----	Coal.	14	38.50	Oil...	26	3.90	42.00	35.00	36.00	59.00	20.60
510	4	40.00	Coal.	8	22.00	Oil...	30	3.00	32.50	29.50	12.50	100.00	1.41
511	O. H.	-----	Coal.	12	36.00	Oil...	36	5.40	26.00	38.00	42.00	11.00	8.40
512	O. H.	-----	Coal.	12	36.00	Oil...	13	1.30	46.00	49.50	36.00	40.00	9.65
513	6	60.00	Coal.	12	33.60	Oil...	20	2.00	26.40	12.00	35.00	5.00	3.50
514	O. H.	-----	Coal.	10	30.00	Oil...	10	1.00	8.00	9.00	8.00	1.00	3.60
515	4	48.00	Coal.	12	33.00	Oil...	26	2.60	40.00	21.00	20.00	30.00	1.41
516	O. H.	-----	Coal.	14	42.00	Oil...	30	3.00	24.00	10.00	60.00	33.00	10.00
517	5	60.00	Coal.	10	26.50	Oil...	26	3.90	34.25	35.00	33.00	12.00	2.25
518	O. H.	-----	Coal.	12	33.00	Oil...	36	5.40	25.00	44.50	35.00	115.75	12.75
519	O. H.	-----	Coal.	12	33.00	Oil...	48	4.80	25.00	18.50	44.00	19.20	4.77
520	3	60.00	Coal.	10	27.50	Oil...	13	1.69	34.25	51.50	10.00	26.00	1.60
521	O. H.	-----	Coal.	12	33.00	Oil...	30	3.00	32.50	24.00	30.00	2.50	5.00
522	O. H.	-----	Coal.	10	27.50	Oil...	20	3.00	40.00	21.00	60.00	3.00	10.60
523	5	78.00	Coal.	12	33.00	Oil...	26	2.60	20.00	18.00	60.00	38.00	2.50
524	O. H.	-----	Coal.	8	24.00	Oil...	26	2.60	26.00	20.00	-----	12.00	12.00
525	5	66.00	Coal.	10	30.00	Oil...	13	1.30	48.00	40.00	20.00	30.00	3.00

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
				\$1.00	\$1.50	\$2.00				\$7.00	\$40.00	\$220.30	451
				1.00	2.50	1.50	\$5.00		\$4.80	40.00	27.70	412.55	452
				1.00	5.00	1.00	17.00	\$2.00	18.54		70.50	224.54	453
	\$24.00		\$3.00	1.50	2.50	2.50	12.00		13.00	10.00	18.04	301.74	454
				5.00	1.50			26.00	13.00	5.00	11.85	240.55	455
			18.00	12.00	5.00	20.95	5.00	6.00	7.00	135.00	20.60	541.80	456
		\$12.00	8.50	20.00	12.00	8.95	25.00		13.00	20.00	180.25	633.70	457
		3.00		2.50	2.50	2.75	4.00	13.00	13.00	15.00	48.25	285.50	458
				3.00	2.50		7.00	20.00	13.00	45.00	25.20	316.15	459
		3.00	6.00	5.20	5.00	1.50	5.00		5.00	25.00	160.20	417.40	460
\$2.50			12.00		6.00	9.50			13.00	20.00	46.60	167.45	461
	10.00		3.00	2.60	2.00	6.10		13.00	13.00	15.00	31.20	275.65	462
		3.00		2.50	5.00	2.60	2.20		9.00	7.50	94.00	347.98	463
		3.00			2.00			13.00	13.00	10.00	9.00	197.10	464
		3.00		.50	6.00	8.50	.40		5.50	10.00	97.60	204.25	465
		6.00	12.00	1.50	3.50	6.00	5.00	13.00	13.00	15.00	22.20	361.45	466
	12.00	3.00	10.00	3.00	7.50	7.70	2.00	26.00	24.00	10.00	148.00	475.60	467
		3.00	6.00	3.00	3.50	3.00		6.00	5.00	25.00	40.00	279.15	468
		3.00		10.00	5.00	1.00		13.00	9.60	10.00	39.00	271.20	469
				2.00	.50	2.25		1.00	13.00	3.00	13.50	238.50	470
					3.50			10.00	13.00	10.00	37.40	192.00	471
			7.50		2.50			6.50	10.00	15.00	32.20	269.55	472
				2.00	3.00	20.00	1.00		36.00	15.00	55.20	338.80	473
		2.00		1.00	2.00	9.00	3.50	16.00	13.00	15.00	19.70	276.77	474
				2.00	3.50	1.50	4.20	1.50	15.60	23.00	87.50	396.90	475
				15.00		5.00			13.00	.50	11.00	279.21	476
			30.00	10.00	2.50	4.10	5.00		13.00	15.00	42.00	359.60	477
					3.00	7.70			26.00	12.00	179.40	695.90	478
		16.00	24.00	12.00	2.00	5.00			13.00	5.00	54.60	329.47	479
			24.00	6.00	1.00	9.05			13.00	14.00	96.45	402.50	480
	19.00		24.40	8.00	2.00	6.20	5.35	18.00	16.00	63.00	49.45	403.50	481
				6.00	.50	12.50					23.20	328.84	482
					.25	4.00			13.00	10.00	11.00	199.25	483
			12.00		1.00		.50		6.00	20.00	17.20	253.25	484
				1.50	2.50	7.90			2.00	24.00	189.40	335.75	485
				1.00	1.00		5.50	15.00	6.00	25.00	59.80	346.51	486
10.00				9.00	10.00	15.00	5.00		36.00	50.00	221.50	998.00	487
	20.00			9.00	2.00	11.50			3.60	5.00	15.40	336.61	488
				5.00		2.50	3.00	60.00	13.00	10.00	50.40	433.81	489
				3.00	2.50	2.50	17.00		13.00	3.00	116.90	333.50	490
			10.90		3.00	.25		3.00	6.00	12.00	17.20	216.05	491
			61.20		2.00	7.20			13.00	5.00	160.00	502.20	492
					2.00	7.45			6.00	75.00	18.00	241.25	493
				1.00	1.00	4.50	5.00		5.00	17.50	63.00	335.57	494
3.00	3.00			6.00	1.00	1.50	1.95		6.00	10.00	66.20	217.25	495
				7.20	2.00	5.00		3.00	4.00	20.00	16.20	296.30	496
				2.00	1.00	.50	1.00		9.00	6.00	29.20	208.46	497
				27.00	12.00	.50	5.00		6.00	15.00	10.40	288.50	498
				32.00	40.00	2.00	13.50		13.00	13.00	73.70	500.20	499
					1.50				4.00	5.00	53.00	311.51	500
				.50	2.00	6.70		13.00	8.00	50.00	12.20	252.40	501
					1.25	2.60		26.00	13.00	7.00	23.10	241.40	502
				2.50	5.20			3.00	4.00	15.00	27.20	290.81	503
				12.00	1.50	5.20			18.00	15.00	84.00	313.05	504
5.40				2.50	1.50	5.00		25.00	6.00	3.00	68.40	287.70	505
					1.00	2.25		13.00	6.00	35.00	34.00	238.46	506
				15.00		7.00		3.00	6.00	1.00	11.00	184.80	507
				25.00	6.00	9.50				5.00	96.20	473.30	508
11.50	44.00			25.00	3.00	7.00	10.00	2.00	6.00	10.00	27.20	369.10	509
	52.00			5.20	3.00	1.20			6.00	10.00	45.40	311.71	510
				36.00	6.00	3.00				57.00	30.00	304.80	511
				6.20	6.00	3.50	5.50	120.00	6.00	13.00	12.00	462.35	512
5.65			25.00	3.00	6.00	7.10			18.00	25.00	12.20	279.45	513
					1.50				5.80	36.00	27.50	157.40	514
	26.00				1.50	13.70	2.00	13.00	6.00	10.00	17.20	265.71	515
2.00	26.60	4.80		15.00	3.00	10.00			12.00	5.00	21.20	279.20	516
		3.00		10.00	3.50	8.95		20.00	12.00	10.00	17.00	293.55	517
3.00	9.00			1.50	3.00	1.25	2.00	5.00	3.50	24.00	37.20	360.85	518
	26.00			18.00	3.00	4.15	5.00	13.00	10.00	23.00	16.60	268.02	519
					5.00	9.50	25.00	2.00	6.00	7.00	30.20	309.24	520
6.00				5.20	5.00	2.50			6.00	1.00	13.60	170.30	521
			30.00	5.00	2.00	4.00			12.00	50.00	17.20	285.30	522
						2.00			4.80	5.00	33.20	297.10	523
				25.00	3.00	11.40				4.00	8.50	148.50	524
2.75			5.20		3.00	7.50	7.00	10.00	3.60	30.00	13.50	315.85	525



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.		
526	O. H.		Coal	9	\$24.75	Oil	13	\$1.30	\$29.00	\$55.00		\$10.00	19.00
527	5	\$75.00	Coal	12	33.00	Oil	30	3.00	43.00	30.00	\$36.00	20.00	1.41
528	O. H.		Coal	16	44.00	Oil	26	3.90	27.50	18.00	75.00	5.00	6.00
529	O. H.		Coal	7	19.25	Oil	13	1.30	37.00	10.00	5.00	6.50	2.00
530	3	30.00	Coal	10	27.50	Oil	20	2.40	25.50	39.50	12.00	25.00	1.41
531	4	35.00	Coal	10	27.50	Oil	36	3.60	43.50	19.50	8.00	7.50	
532	O. H.		Coal	10	26.50	Oil	13	1.30	47.00	10.00		12.25	9.67
533	6	72.00	Coal	12	33.00	Oil	26	2.60	50.50	35.00	75.00	3.00	2.20
534	4	60.00	Coal	10	20.00	Oil	20	2.00	14.00	20.00	50.00	5.00	1.50
535	6	96.00	Coal	10	27.50	Oil	26	2.60	39.00	32.50	18.00	13.00	2.40
536	4	48.00	Coal	10	27.50	Oil	30	3.00	86.00	49.90	33.00	5.00	1.41
537	4	48.00	Coal	10	30.00	Oil	26	2.60	25.50	14.95	40.00	3.00	3.00
538	4	60.00	Coal	12	33.00	Oil	13	1.69	12.50	5.00	40.00	9.50	2.94
539	4	60.00	Coal	12	33.00	Oil	26	3.90	22.00	24.00	89.00	2.00	2.96
540	3	33.00	Coal	12	33.00	Oil	26	2.60	38.00	14.00	8.00	21.00	2.40
541	4	50.00	Coal	10	27.50	Oil	15	2.25	21.50	11.00	22.00	9.00	2.00
542	3	30.00	Coal	10	27.50	Oil	13	1.30	17.85	14.65	10.00	9.25	2.00
543	3	54.50	Coal	9	21.75	Oil	13	1.30	55.00	12.00	12.00	68.00	1.50
544	O. H.		Coal	16	41.60	Oil	26	3.12	125.00	59.00	80.00	150.00	15.00
545	3	60.00	Coal	12	33.00	Oil	13	1.30	64.00	17.00	20.00	5.00	2.00
546	10	112.00	Coal	14	38.50	Oil	36	5.40	25.00	15.00	20.00	30.00	8.30
547	O. H.		Coal	12	33.00	Oil	26	3.12	16.00	26.00	18.00	23.50	10.00
548	7	60.00	Coal	14	42.00	Oil	36	5.40	35.00	37.00	37.00	22.00	2.00
549	O. H.		Coal	15	45.00	Oil	36	4.32	15.00	20.00	90.00	48.00	12.00
550	4	48.00	Coal	10	27.50	Oil	15	2.25	53.00	33.50	115.00	26.50	1.41
551	4	57.00	Coal	12	33.00	Oil	26	3.90	37.50	20.00	45.00	24.50	2.50
552	O. H.		Coal	16	44.00	Oil	26	3.12	55.00	25.00	27.00	4.00	8.00
553	5	84.00	Coal	12	33.00	Oil	26	2.60	26.50	18.00	40.00	12.75	1.68
554	6	96.00	Coal	15	41.75	Oil	36	3.60	35.00	14.75	55.00	19.50	10.00
555	O. H.		Coal	15	41.25	Oil	26	2.60	30.00	20.00	85.00	14.50	10.00
556	O. H.		Coal	8	22.00	Oil	13	1.95	30.50	16.00	15.00	33.20	1.41
557	O. H.		Coal	8	22.00	Oil	13	1.95	27.00	35.00		37.00	7.70
558	O. H.		Coal	16	44.00	Oil	30	3.00	50.00	25.00	70.00	100.00	7.23
559	3	28.50	Coal	10	27.50	Oil	26	3.90	72.85	45.00	12.00	33.25	1.41
560	5	70.00	Coal	5	13.75	Oil	26	3.12	50.50	15.00	181.00	3.50	2.00
561	4	60.00	Coal	12	33.00	Oil	40	6.00	50.00	65.00	25.00	52.00	3.75
562	4	60.00	Coal	12	33.00	Oil	26	3.90	22.00	10.00	20.00	9.50	6.00
563	O. H.		Coal	14	38.50	Oil	26	3.90	41.00	25.00	145.00	5.00	2.50
564	6	75.00		4	22.00	Oil		8.00	25.00	15.00	70.00	5.00	
565	4	48.00	Coal	12	33.00	Oil	26	2.60	28.50	7.50	12.00	2.75	3.00
566	2	52.50	Coal	12	33.00	Oil	40	5.12	19.20	16.25	12.50	20.85	1.35
567	4	48.00			38.00	Oil	26	4.16	22.50	16.00	65.00	3.00	4.00
568	4	48.00	Coal	12	30.00	Oil	26	2.60	40.00	15.00	24.00	20.20	
569	O. H.		Coal	11	27.50	Oil	40	4.00	25.00	18.50	65.00	88.50	6.20
570	O. H.		Coal	13	33.80	Oil	26	2.69	21.00	6.00	128.00	65.10	7.50
571	O. H.		Gas		25.00	Oil	26	3.12	50.00	85.00	158.80	80.00	9.00
572	4	62.50			18.00	Oil		6.00	16.00	18.00		5.00	
573	4	43.00	Coal	12	33.00	Oil	26	3.90	40.00	29.50	20.00	17.00	1.90
574	4	24.00	Coal	10	27.50	Oil	26	2.60	17.50	7.50	4.00	2.00	1.25
575	O. H.		Coal	10	27.50	Oil	13	1.30	36.25	17.00	16.00	1.00	9.50
576	O. H.		Coal	14	35.00	Oil	40	6.00	60.00	25.00	45.00	80.00	40.00
577	5	60.00	Coal	12	36.00	Oil	40	4.00	39.00	18.00	143.00	14.00	2.10
578	5	84.00	Gas		25.00	Oil	30	3.00	30.00	10.00	86.00	22.00	2.00
579	5	60.00	Coal	10	27.50	Oil	26	2.60	17.25	1.40	22.00	1.00	1.20
580	5	72.00	Coal	10	30.00	Oil	20	2.00	25.25	11.00	36.00	20.50	1.72
581	O. H.		Coal	12	36.00	Oil	26	2.60	38.00	12.00	32.00	31.00	10.50
582	4	60.00	Coal	10	30.00	Oil	20	2.40	39.00	14.00		2.00	1.41
583	O. H.		Coal	12	33.00	Oil	26	2.60	22.50	9.00	40.00	2.00	13.00
584	O. H.		Coal	12	33.00	Oil	26	3.90	20.00	15.00	75.00	23.00	9.00
585	6	72.00			25.00			7.20	20.00	30.00	125.00	36.00	2.84
586	5	96.00			18.00			4.60	50.00	23.50	20.00	50.00	1.43
587	O. H.		Coal		20.00			2.00	60.00	25.00	30.00	2.00	22.00
588	O. H.				24.00	Oil	36	5.76	17.00	17.00	35.22	17.50	8.75
589	O. H.		Coal		25.50	Oil	24	2.40	35.00	35.00	100.00	25.00	35.00
590		120.00	Coal		20.00			3.00	60.00	20.00	30.00	3.00	6.00
591		110.00	Coal		9.00	Oil	15	2.25	10.00	8.00	20.00	3.00	.66
592		Free.							38.00	35.00	150.00	6.00	1.83
593	150.00		Coal		20.00	Oil	15	2.50	22.00	15.00	20.00	2.00	1.50
594	O. H.		Coal	12	33.00	Oil	26	2.60	24.80	6.15	53.00	20.75	9.00
595	O. H.		Coal	7	18.00	Oil	4	.60	11.00	9.00	6.00	26.00	6.00
596	3	42.00	Coal	10	27.50	Oil	15	2.25	25.00	9.00	35.00	3.00	2.00
597	O. H.		Coal	13	35.75	Oil	26	3.90	67.50	41.75	15.00	35.50	9.70
598	O. H.		Coal	10	27.50	Oil	13	1.95	22.50	15.00	20.00	3.00	10.00
599	O. H.		Coal	10	27.50	Oil	13	1.30	40.00	12.00	35.00	2.00	9.00
600	6	96.00	Coal	12	38.40		52	7.80	59.00	47.65	125.00	33.00	3.19



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.	
Prop- erty.	Life.	La- bor.	Other.											
-----	\$30.00	-----	-----	\$7.00	\$2.50	\$2.00	-----	\$13.00	\$7.20	\$69.00	\$11.25	\$272.00	529	
-----	-----	-----	-----	15.00	2.50	7.00	\$1.50	26.00	8.00	25.00	22.20	348.61	527	
\$5.00	-----	\$26.00	-----	12.00	2.00	6.50	3.50	18.00	6.00	50.00	134.60	438.00	528	
	-----	-----	-----	6.00	.75	.50	-----	3.00	4.00	85.00	31.00	216.30	529	
-----	-----	-----	\$17.20	1.50	1.50	1.50	17.50	-----	-----	5.00	50.50	258.01	530	
-----	-----	-----	-----	4.00	1.15	5.00	6.00	6.00	5.00	28.60	200.35	531	531	
2.00	-----	-----	20.80	18.00	2.00	8.35	-----	4.32	60.00	121.80	343.99	532	532	
-----	-----	-----	25.00	12.00	2.00	2.00	20.00	-----	13.00	10.00	57.00	414.30	533	
-----	-----	-----	-----	-----	-----	3.00	-----	1.20	5.00	1.50	101.00	284.20	534	
-----	-----	-----	-----	-----	2.00	3.50	-----	-----	9.60	10.00	27.20	283.30	535	
-----	-----	-----	5.20	3.00	2.00	6.45	-----	-----	6.50	50.00	74.40	401.36	536	
-----	-----	-----	5.20	-----	-----	-----	-----	3.00	18.00	7.00	29.50	229.75	537	
-----	-----	-----	-----	-----	1.00	4.00	-----	4.00	13.00	4.00	11.00	201.63	538	
-----	-----	-----	-----	3.00	3.00	6.00	10.00	-----	4.00	50.00	39.20	352.06	539	
-----	-----	-----	-----	-----	1.50	10.75	4.00	-----	18.00	15.00	27.20	228.45	540	
-----	-----	-----	5.20	-----	1.00	3.75	1.25	13.00	6.00	15.00	42.60	233.05	541	
-----	-----	-----	3.00	1.00	1.00	.40	14.50	-----	4.00	20.00	30.40	186.85	542	
-----	-----	-----	-----	-----	1.00	.40	-----	-----	-----	5.00	28.50	263.95	543	
15.00	60.00	-----	5.20	15.00	10.00	51.00	5.00	10.00	26.00	40.00	24.00	734.92	544	
-----	-----	26.00	10.40	15.00	2.50	1.50	15.00	-----	13.00	5.00	17.20	307.90	545	
-----	12.12	28.00	-----	15.00	1.50	10.25	-----	-----	15.00	28.00	92.00	456.07	546	
-----	25.00	-----	-----	14.00	2.00	2.00	-----	-----	-----	-----	26.50	199.12	547	
-----	-----	-----	3.00	15.00	5.00	10.00	-----	-----	4.00	12.00	63.40	352.80	548	
-----	-----	-----	5.20	15.00	3.00	15.20	1.50	-----	13.00	22.00	206.00	515.22	549	
-----	-----	10.40	5.20	10.00	2.50	10.50	17.00	-----	4.00	8.00	106.20	480.96	550	
-----	-----	-----	10.40	3.00	1.00	2.50	-----	3.00	10.00	130.00	17.20	400.50	551	
-----	-----	-----	20.00	12.00	6.00	5.50	-----	-----	13.00	30.00	74.20	326.82	552	
-----	-----	3.00	3.00	2.00	2.50	8.20	-----	-----	5.20	5.00	18.20	262.63	553	
-----	-----	-----	10.00	2.00	1.00	6.00	-----	-----	6.00	15.00	56.00	371.60	554	
3.00	26.00	-----	-----	6.00	2.00	10.00	9.00	-----	13.00	10.00	31.60	313.95	555	
-----	7.20	-----	-----	13.00	2.00	3.15	1.00	-----	5.00	12.00	37.10	200.51	556	
-----	-----	5.20	-----	2.00	-----	-----	-----	-----	4.00	25.00	8.50	175.35	557	
-----	-----	26.00	-----	15.00	5.00	6.00	25.00	-----	13.00	25.00	206.50	620.73	558	
-----	-----	-----	2.00	2.00	1.50	8.50	-----	-----	3.00	10.00	25.20	276.61	559	
-----	-----	-----	5.20	2.00	5.60	8.00	-----	-----	-----	12.00	95.40	467.07	560	
-----	-----	-----	-----	15.00	3.00	14.00	50.00	-----	-----	20.00	49.00	445.75	561	
-----	14.40	-----	5.20	3.00	3.00	2.25	-----	-----	13.00	80.00	43.60	333.85	562	
-----	-----	-----	5.20	13.00	3.50	7.60	3.00	-----	6.00	5.00	158.20	462.40	563	
-----	-----	-----	-----	2.00	5.00	-----	-----	-----	13.75	14.00	20.00	274.75	564	
-----	-----	-----	-----	10.00	1.50	7.10	12.00	6.50	-----	20.50	25.50	220.45	565	
-----	-----	-----	-----	-----	1.50	8.50	7.50	3.00	4.10	10.00	32.50	227.87	566	
-----	-----	5.20	-----	6.00	9.60	-----	-----	-----	20.80	80.00	129.20	451.46	567	
-----	-----	-----	12.00	5.00	4.00	13.00	13.00	-----	20.80	-----	12.00	263.60	568	
-----	-----	-----	40.00	6.00	5.00	-----	60.00	13.00	13.00	52.50	298.26	709.40	569	
-----	-----	-----	4.00	5.00	2.00	1.60	3.00	40.00	5.20	7.00	219.20	551.00	570	
-----	35.64	5.20	-----	10.00	3.00	12.00	5.00	12.00	6.11	20.00	48.00	567.87	571	
-----	-----	-----	6.00	5.00	3.00	6.00	-----	-----	14.50	5.00	14.00	179.00	572	
-----	-----	-----	-----	35.00	5.00	.30	10.00	12.00	15.36	32.00	22.70	325.66	573	
-----	-----	-----	-----	8.00	-----	.50	-----	12.00	7.60	25.00	9.50	148.95	574	
4.00	-----	-----	-----	6.00	2.00	-----	7.00	18.00	15.60	2.00	55.00	218.15	575	
41.00	24.00	24.00	5.20	25.00	5.00	12.65	-----	-----	-----	50.00	149.30	627.15	576	
-----	-----	-----	-----	2.50	2.00	1.00	2.50	-----	13.00	50.00	28.00	415.10	577	
-----	-----	-----	-----	30.00	5.00	-----	-----	6.50	15.60	20.00	93.00	432.10	578	
-----	-----	-----	-----	-----	1.00	-----	-----	-----	13.00	5.00	10.20	162.15	579	
-----	-----	-----	-----	6.00	2.00	7.40	2.00	-----	.25	6.00	19.95	242.07	580	
-----	-----	-----	-----	20.00	3.00	5.00	1.00	-----	3.00	7.20	5.00	114.00	320.30	581
-----	-----	3.00	-----	12.00	5.00	6.00	-----	13.00	13.00	10.00	16.00	226.81	582	
15.00	-----	-----	-----	13.00	2.00	5.50	29.30	6.00	6.00	5.00	217.00	422.90	583	
-----	-----	-----	-----	6.00	2.00	2.00	-----	13.00	8.00	20.00	74.00	303.00	584	
-----	-----	-----	-----	-----	-----	-----	-----	50.00	52.00	5.00	50.00	475.04	585	
-----	-----	-----	2.00	6.00	3.00	6.00	-----	145.00	15.60	2.00	6.17	449.30	586	
12.00	-----	-----	27.00	20.00	-----	7.00	3.00	-----	-----	5.00	67.00	303.00	587	
9.00	20.00	-----	27.00	11.00	5.00	8.00	7.00	-----	-----	7.50	116.02	335.75	588	
7.00	54.51	-----	-----	5.00	5.50	11.00	10.00	-----	-----	50.00	22.00	422.91	589	
-----	5.20	-----	27.00	15.00	2.50	11.00	2.00	-----	-----	20.00	69.00	413.70	590	
-----	-----	-----	-----	-----	-----	1.00	1.50	-----	-----	25.00	40.00	230.41	591	
-----	9.36	-----	-----	20.00	-----	6.00	2.00	-----	-----	40.00	52.00	360.19	592	
-----	-----	-----	-----	5.00	1.00	3.00	2.00	-----	-----	8.00	45.00	297.00	593	
-----	-----	-----	-----	19.00	.50	3.45	-----	5.00	4.16	25.00	67.80	293.71	594	
8.00	25.00	-----	10.00	-----	4.50	6.25	2.00	1.20	3.36	12.00	26.60	175.51	595	
-----	-----	-----	-----	10.00	1.50	4.00	1.00	10.00	13.00	4.00	47.20	236.45	596	
8.50	-----	-----	6.00	4.00	3.00	5.20	10.00	-----	5.20	25.00	10.35	286.35	597	
4.00	-----	-----	38.40	10.00	1.00	2.00	-----	-----	5.00	1.00	48.20	209.55	598	
-----	-----	-----	-----	10.00	1.00	5.00	-----	-----	4.00	20.00	28.25	195.05	599	
-----	-----	-----	-----	18.50	-----	20.00	-----	-----	13.25	290.60	48.00	800.39	600	

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
601	3	\$48.00			\$15.00			\$3.50	\$25.00	\$18.00	\$6.00	\$19.50	\$1.34
602	7	96.00			23.00			6.20	20.00	10.00	25.00	18.00	2.50
603	5	78.00			14.60		42	4.16	63.00	34.00	55.00	30.00	3.00
604	7	90.00			25.00	Oil		7.80	22.00	16.00	35.00	8.00	
605	7	90.00			35.00	Oil		9.00	16.00	28.00		13.00	
606	5	78.00			23.00	Oil		8.00	20.00	20.00		5.00	
607	6	84.00			23.00	Oil		8.50	17.00	20.00	50.00	6.00	
608	7	90.00			22.75	Oil		8.50	18.00	18.00	50.00	5.00	
609	5	72.00			25.00	Oil		6.75	18.00	20.00	10.00	15.00	
610	6	60.00			23.00	Oil		8.00	19.00	20.00	38.00	5.00	
611	4	84.00	Coal		39.69	Oil	26	3.90	31.75	40.00	30.00	60.00	2.12
612	O. H.		Coal	10	26.50	Oil	20	2.00	22.75	15.00	50.00	7.50	5.86
613	O. H.		Coal	10	26.00	Oil	26	2.60	27.50	20.00	60.00	40.00	7.80
614	O. H.		Gas		25.00	Oil	26	3.25	14.75	26.00	65.00	2.50	7.50
615	O. H.		Gas		25.00	Oil	26	3.38	25.00	48.00	40.00	18.00	50.00
616	O. H.		Coal	13	32.50	Oil	13	2.60	20.00		80.00	7.50	7.45
617	3	63.00	Coal	10	27.50	Oil	18	1.80	35.50	27.50	90.50	5.00	1.50
618	O. H.		Coal	20	50.00	Oil	52	5.20	46.00	23.50	180.00	49.50	6.00
619	5	60.00			27.00	Oil	26	2.60	20.00	5.00	60.00	10.00	2.00
620	3	60.00	Coal	10	27.50	Oil	26	2.60	23.00	20.00	7.50	10.00	2.00
621	3	30.00	Coal	10	26.00	Oil	13	1.30	23.50	22.25	51.00	13.00	2.00
622	2	48.00	Coal	10	25.00	Oil	13	1.30	48.00	12.50		3.25	
623	O. H.		Coal	10	25.00	Oil	13	1.95	30.00	29.00		3.00	7.00
624	7	72.00			22.50	Oil		8.00	20.00	20.00		5.00	
625	5	50.00			14.50	Oil		6.50	18.00	18.00	15.00	3.00	
626	4	24.00	Coal	10	25.00	Oil	13	1.55	13.75	3.75	50.00	11.00	5.50
627	6	36.00	Coal	24	66.00	Oil	52	5.20	50.00	40.00	10.00	11.75	1.25
628	O. H.		Coal	10	27.50	Oil	26	2.60	42.85	35.50	50.00	49.00	20.00
629	4	18.00	Coal	11	27.50	Oil	26	2.60	54.75	23.50	25.00	22.00	1.30
630	4	24.00	Coal	11	30.25	Oil	36	3.60	64.65	44.25	21.80	18.50	
631	6	64.00	Coal	12	33.00	Oil	30	3.00	25.75	12.00	10.00	11.00	1.25
632	4	24.00	Coal	14	38.50	Oil	26	2.60	49.00	24.00	113.00	13.00	2.00
633	4	24.00	Coal	10	25.00	Oil	30	3.00	53.50	34.50	12.00	81.30	1.25
634	O. H.		Coal	10	27.50	Oil	26	2.60	33.00		136.50	31.50	3.80
635	3	36.00	Coal	12	33.00	Oil	26	2.60	4.85	25.00	90.00	25.50	2.35
636	O. H.		Coal	18	40.50	Oil	36	3.60	38.50	14.00	85.00	9.00	18.00
637	O. H.		Coal	12	36.00	Oil	36	3.60	72.75	20.00	110.00	117.50	24.00
638	5	60.00	Coal	14	38.50	Oil	30	3.00	63.00	53.60	19.00	32.50	3.00
639	5	60.00	Coal	12	31.20	Oil	13	1.30	44.75	11.00	89.50	7.75	3.00
640	4	60.00	Gas		40.00	Oil	26	2.60	29.00	28.00	15.00	1.00	
641	5	60.00	Coal	10	27.50	Oil	13	1.30	13.50	23.50	60.00	12.50	2.00
642	5	72.00	Gas		25.00	Oil	40	4.00	22.50		7.50	1.50	2.00
643	5	60.00	Coal	12	36.00	Oil	30	3.00	45.00	19.50		10.00	4.00
644	5	52.00	Coal	11	30.25	Oil	26	2.60	54.00	54.50		90.00	
645	5	60.00	Coal	15	37.50	Oil	26	2.60	45.00	24.00	175.00	75.25	1.25
646	O. H.		Coal	8	21.20	Oil	26	2.00	31.50	8.50	78.00	16.00	10.00
647	5	60.00	Coal	15	37.50	Oil	40	4.00	25.00	20.00	150.00	50.00	2.00
648	O. H.		Coal	12	33.00	Oil	30	4.50	40.00	30.00	28.00	3.00	4.32
649	O. H.		Coal	14	42.00	Oil	26	3.12	18.00	34.00	36.00	26.00	12.00
650	4	48.00	Coal	12	36.00	Oil	26	3.90	64.70	14.00	18.00	52.00	
651	O. H.		Coal	12	36.00	Oil	26	2.60	45.50		109.00	5.00	16.00
652	5	60.00	Coal	12	36.00	Oil	26	2.60	52.00	8.00	30.00	2.00	1.41
653	4	42.00	Coal	10	27.50	Oil	26	2.60	50.00	15.50	35.00	8.50	4.00
654	O. H.		Coal	16	48.00	Oil	40	6.00	70.00	44.00	153.00	73.00	12.00
655	O. H.		Coal	18	54.00	Oil	52	4.00	75.00	100.00	150.00	149.00	20.00
656	4	84.00	Coal	12	33.00	Oil	26	3.90	100.00	40.00		50.00	4.03
657	O. H.		Coal	12	36.00	Oil	18	1.80	55.00	45.00	84.00	20.00	30.00
658	O. H.		Coal	12	33.00	Oil	20	3.00	35.50	32.50	60.00	2.00	5.73
659	4	60.00	Coal	10	28.00	Oil	26	2.60	25.00	10.50	26.00	25.00	1.40
660	5	96.00	Coal	14	42.60	Oil	15	1.50	30.00	18.00	100.00	49.00	6.80
661	2	54.00	Coal	12	31.80	Oil	26	2.60	35.50	30.00	18.00	49.00	2.25
662	O. H.		Coal	12	33.00	Oil	36	3.60	22.50	17.00	22.00	5.00	13.90
663	O. H.		Coal	12	36.00	Oil	26	3.90	20.00	25.00	33.00	5.00	13.00
664	4	48.00	Coal	10	27.50	Oil	26	3.90	39.00	93.50		97.00	2.40
665	O. H.		Coal	12	33.00	Oil	20	2.00	53.00	25.50	149.00	29.50	12.50
666	4	60.00	Coal	12	36.00	Oil	23	3.90	70.00	20.00	20.00	5.00	1.41
667	O. H.		Coal	16	44.00	Oil	50	6.00	18.00	20.00	125.70	109.00	20.00
668	O. H.		Coal	12	31.80	Oil	26	2.60	56.00	25.00	70.00	40.00	13.00
669	O. H.		Coal	10	42.40	Oil	26	2.60	21.00	7.00	75.00	2.00	5.50
670	O. H.		Coal	12	31.80	Oil	18	1.80	36.00		16.50	2.00	8.00
671	5	72.00			21.00	Oil		7.50	12.00	12.00	20.00	5.00	
672	6	84.00			22.00	Oil		9.00	21.00	20.00	35.00	7.00	
673	5	55.00			18.00	Oil		7.00	20.00	18.00		4.00	
674	3	36.00	Coal	10	27.50	Oil	30	3.00	17.50	6.00	15.00	120.00	1.41
675	5	39.00	Coal	12	30.00	Oil	26	2.60	34.50	18.25		29.50	



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
				\$6.50	\$4.00	\$5.00		\$15.00	\$12.00	\$21.00	\$15.00	\$214.84	601
				12.00		7.00				26.00	8.00	253.70	602
				25.00		5.00	\$5.00	30.00	18.25	1.85	27.50	393.76	603
	\$18.50		\$12.00	5.00	3.00	6.00		5.00	12.50		30.00	301.80	604
		\$7.00			3.50	7.00			13.80	16.00	26.00	260.30	605
			12.00		3.00	4.00		4.00	13.00	4.00	25.00	219.00	606
		7.00	12.00	15.00		9.00			15.60	5.00	20.00	292.10	607
			12.00	10.00	2.00	5.00		5.00		10.00	25.00	281.25	608
		7.00	18.00	5.00	5.00	6.00			14.50	3.00	20.00	245.25	609
			13.50	5.00	4.50			5.00	12.00	3.00	18.00	234.00	610
				5.00	5.00	10.00	15.00	26.00	6.50	20.00	62.20	441.16	611
				15.00	3.00			6.00	7.68	35.06	43.00	239.29	612
\$6.50				15.00	2.00	6.00		5.00	7.20	2.00	211.40	439.00	613
				8.00	1.00	5.00		15.00	8.32		277.00	458.32	614
10.00				30.00	5.00	1.00				12.00	24.00	291.38	615
5.00				5.00	4.50	5.00		6.00	4.16		148.50	328.21	616
				6.00	2.50	5.50		13.00	13.00	10.00	37.00	336.30	617
				36.00	5.00	12.50	17.50		24.96	25.00	73.00	554.16	618
				10.00	3.00			13.00	15.60		87.20	315.40	619
				5.00	1.50		5.00	3.00	4.10	6.00	17.00	194.20	620
		2.20		3.00	1.00	5.00		6.00	8.32	13.00	68.00	275.57	621
				.50	1.00	2.50	6.50	39.00		.25	26.00	213.80	622
				2.00		2.00		5.00	6.50	5.00	9.00	125.45	623
				5.00	4.00	8.00				4.00	35.00	203.50	624
	12.00		8.00	4.00	1.00	4.00		4.00		3.00	17.00	178.00	625
				30.00	5.00	7.00	3.00	6.00	6.24	5.00	52.20	249.00	626
				10.00				15.00	4.42		64.00	313.62	627
6.50				20.00	2.00	1.50			8.32	10.00	112.25	388.02	628
			6.00	10.00	3.00	7.50		10.00	7.20	15.00	17.00	250.35	629
				10.00	1.50	7.00	2.00	6.00	15.00	35.50	16.00	300.05	630
				10.00	1.00	1.00			7.80	1.00	22.20	203.00	631
						5.00		5.00	14.40	20.00	65.00	375.50	632
					1.50			5.00	4.16	23.00	22.70	290.91	633
				10.00	3.00		12.00	48.00	10.00	6.00	144.00	467.96	634
					2.00	7.80			4.00	15.00	46.60	294.70	635
12.00				25.00		9.00			5.00	1.00	77.00	325.60	636
			10.40	7.50	6.00	10.50	5.00	75.00	30.00	40.00	154.00	734.25	637
			10.00	15.00	4.00	7.60	16.00	10.00	13.00	15.00	34.10	397.30	638
				30.00	5.00	9.50	12.00	6.50	10.00	20.00	72.00	413.50	639
					5.00	5.20	6.00	50.00	13.00	25.00	24.00	303.80	640
				16.00	3.00	7.00		3.00	10.00	3.00	13.40	255.70	641
				10.00	6.00			39.00	13.00	45.00	23.00	270.50	642
				12.00	4.50	5.50		12.00	11.00	10.00	61.00	293.50	643
					2.00		11.00	25.00	3.00		11.10	335.45	644
				25.00	10.00	18.00	11.00		20.00	30.00	148.00	682.60	645
					6.00			2.60	8.32	95.00	145.00	424.72	646
				10.00	4.00	4.00			50.00	16.00	190.00	622.50	647
				12.00	2.00	6.70		1.00	6.00	5.00	29.60	205.12	648
11.00				15.00	2.00		5.00	6.00	6.00	15.00	87.20	318.32	649
				2.00	1.00			3.00	12.00	31.00	19.30	304.90	650
5.50				16.00	3.00	0.00	4.00	14.00	7.20	4.00	189.20	463.00	651
				10.00	2.00	6.20		13.60	8.00	40.00	12.20	283.41	652
				15.00	2.00	5.00			13.00	7.00	42.20	264.30	653
6.00				15.00	2.00	6.00		13.00	13.00	2.00	129.80	592.80	654
				19.00	5.00	13.00			3.00		171.00	763.00	655
				5.00	1.50		10.00	36.00	9.00	10.00	18.00	404.43	656
7.00				15.00	2.00	4.00	20.00	13.00	4.00	3.00	77.20	422.00	657
				5.00	1.00			7.00		6.00	42.20	292.93	658
				3.00		3.25	1.50	6.00	7.20	10.00	24.60	234.05	659
	20.80			5.00	2.00	5.00		15.00	12.00	110.00	17.00	530.10	660
				12.00	2.00			26.00			17.20	280.35	661
				10.00	2.00	4.00		6.00		10.00	20.50	169.50	662
3.00				15.00	6.00		1.00	13.00	8.00		163.20	345.10	663
				12.00	3.00			13.00	4.00	20.00	24.20	387.50	664
	7.20			15.00	3.50	2.00	8.50	26.00	18.00	10.00	72.00	466.70	665
				15.00	5.00		15.00	26.00	6.00	5.00	73.20	361.51	666
12.00	42.55			18.00	5.00	21.45	.35		7.80	10.00	40.60	500.45	667
7.40				15.00	3.00	4.50	5.50	26.00	4.80	10.00	87.40	402.00	668
			6.00	15.00	1.00	3.90		5.00	20.00	10.00	171.40	387.80	669
				17.00	2.50	.50		13.00	2.60	7.50	42.50	181.70	670
		7.00	12.00			4.00			15.00	5.00	20.00	212.50	671
		7.00	12.00	5.00		5.00			12.50	5.00	20.00	264.50	672
	12.00			4.00	2.00	8.00		5.60	14.00	6.00	14.00	187.00	673
			24.00	2.00	2.00			13.00	4.00	50.00	106.00	427.41	674
			5.20		1.75	3.50		13.00	4.00	10.00	61.00	262.30	675



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bnd- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quar- ti+ (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
676	4	\$108.00			\$34.00	Oil		\$1.80	\$40.00	\$50.00	\$5.00		\$2.50
677	4	98.00			31.00	Oil		1.80	75.00	60.00	30.00		2.50
678	3	48.00			18.00	Oil		3.60	40.00	50.00	5.00		2.50
679	4	96.00			27.00	Oil		1.80	30.00	30.00	20.00	\$27.00	2.50
680	3	108.00			18.00	Oil		1.80	30.00	30.00			2.50
681	3	48.00			14.25	Oil		1.80	25.00	35.00	10.00		2.50
682	4	96.00			15.00	Oil		2.40	40.00	60.00		55.00	2.50
683	2	60.00			14.00	Oil		2.40	30.00	20.00		36.00	1.00
684	3	120.00			28.00	Oil		1.80	20.00	30.00	30.00	90.00	
685	O. H.				16.00	Oil		2.60	30.00	15.00	6.00		2.50
686	4	150.00			34.00	Oil		1.80	40.00	35.00	20.00	30.00	
687	4	132.00	Coal		21.50	Oil		7.20	40.00	60.00	36.00		6.25
688	2	48.00			24.00	Oil		1.80	30.00	20.00	10.00		1.90
689	3	96.00			12.00	Oil		1.80	60.00	40.00		90.00	1.90
690	3	60.00			19.00	Oil		1.80	45.00	40.00	40.00	27.00	1.00
691	3	48.00			12.00	Oil		1.00	30.00	20.00	5.00	125.00	
692	2	36.00			25.00	Oil		3.60	50.00	25.00	10.00	40.00	1.95
693	4	66.00			36.00	Oil		1.80	75.00	100.00	10.00		3.34
694	3	72.00			36.00	Oil	24	3.60	30.00	30.00	40.00		1.90
695	3	84.00			18.00	Oil	12	1.80	40.00	35.00	30.00		1.90
696	5	120.00			26.00	Oil		3.60	84.00	80.00	45.00	26.00	
697	2	60.00			40.00	Oil		3.60	48.00	40.00			2.95
698	3	36.00	Wood		18.00	Oil	25	5.00	10.00	25.00		1.00	5.50
699	2	48.00	Wood		10.00	Oil	24	4.80	40.00	30.00	15.00	60.00	3.50
700	3	36.00	Wood		12.00	Oil	30	6.00	25.00	20.00		50.00	1.00
701	2	48.00	Wood		16.00	Oil	25	5.00	40.00	30.00		1.00	3.70
702	3	36.00	Coal		20.00	Oil	30	6.00	20.00	12.00	150.00	2.00	3.00
703	3	84.00	Coal		16.00	Oil	30	6.00	60.00	30.00		2.00	3.00
704	3	48.00	Coal		14.00	Oil	36	7.20	40.00	20.00	60.00	1.00	3.50
705	2	48.00	Wood		10.00	Oil	30	6.00	40.00	25.00	50.00	60.00	4.00
706	3	54.00	Wood		18.00	Oil	30	6.00	30.00	20.00	15.00	3.00	1.00
707	2	51.00			24.00	Oil		1.80	25.00	20.00	60.00	9.00	1.50
708	O. H.				12.00	Oil		1.80	30.00	60.00	5.00		5.00
709	2	54.00			36.00	Oil		3.60	35.00	50.00	10.00	20.00	
710	2	60.00			24.00	Oil		4.80	45.00	30.00	5.00	18.00	2.00
711	2	54.00			17.40	Oil		1.80	35.00	40.00		23.00	1.90
712		Free.							30.00	35.00			
713	3	72.00			12.00	Oil		1.80	45.00	40.00	15.00		2.00
714	2	60.00			12.00	Oil		1.80	45.00	50.00			2.90
715	2	18.00	Wood		10.00	Oil	12	2.40	15.00	7.00	70.00		1.35
716	4	60.00	Coal		19.20	Oil	30	6.00	50.00	30.00	100.00	10.00	3.50
717	3	36.00	Coal		8.00	Oil	30	6.00	30.00	20.00	15.00	1.00	4.00
718	3	12.00	Coal		25.60	Oil	40	8.00	25.00	12.00	100.00	20.00	3.50
719	2	18.00	Coal		16.00	Oil	20	4.00	30.00	20.00	20.00	1.00	3.00
720	3	36.00	Coal		6.60	Oil	25	5.00	20.00	20.00	100.00	10.00	1.60
721	3	24.00	Coal		4.80	Oil	20	4.00	35.00	18.00	90.00	5.00	1.60
722	2	18.00	Coal		12.00	Oil	20	4.00	30.00	20.00	40.00	35.00	4.50
723	2	18.00	Coal		16.00	Oil	20	4.00	30.00	15.00	30.00	25.00	4.50
724	2	15.00	Wood		7.50	Oil	10	2.00	10.00	6.00	20.00		
725	5	84.00	Coal		20.00	Oil	40	8.00	25.00	15.00	175.00	5.00	
726	9	72.00	Coal		18.00	Oil	50	10.00	30.00		128.00	15.00	
727	O. H.				29.00	Oil	26	5.20	27.00	15.00	87.00	4.00	1.58
728	O. H.				37.00	Oil	40	8.00	38.00	30.50		20.00	7.50
729	3	96.00			38.00	Oil	26	3.00	26.50	10.00	15.00	13.80	2.13
730	O. H.		Coal	9	30.00	Oil	26	5.20	39.00	36.50	51.50	6.00	9.00
731	O. H.				33.00	Oil	26	5.20	30.00	25.00	50.00	5.00	5.50
732	2	24.00			32.00	Oil	23	5.20	29.40	20.00		19.00	
733	2	32.40	Coal	8	27.00	Oil	26	5.20	42.00	25.00	24.00	13.50	1.98
734	O. H.				30.00	Oil	26	5.20	32.00	30.00	10.00	13.50	10.00
735	4	64.80			36.00	Oil	36	7.20	32.10	21.50	35.00	16.90	
736	3	90.00			24.50	Oil	26	5.20	37.25	20.00	10.00	37.50	
737		Free.			23.00	Oil	26	5.20	21.70	10.00	45.00	4.00	1.68
738	O. H.				37.00	Oil	52	10.40	45.25	15.00	58.00	31.60	2.50
739	3	60.00			22.00	Oil	26	5.20	17.25	20.00	30.00	62.00	
740	2	32.40			23.00	Oil	20	4.00	40.00	15.00	25.00	69.50	
741	O. H.				26.00	Oil	26	5.20	25.30	20.00	25.00	9.00	1.40
742	O. H.				26.00	Oil	26	5.20	38.00	40.00	30.00	6.00	1.79
743	4	64.80			30.00	Oil	26	5.20	28.75	18.65	30.00	36.75	2.50
744	2	72.00			30.00	Oil	26	5.20	30.75	24.50	12.00	20.00	1.60
745	3	96.00			26.00	Oil	26	5.20	32.85	20.00	20.00	5.15	2.55
746	4	60.00			36.00	Oil	26	5.20	62.70	15.00	30.00	6.40	2.40
747	3	96.00			23.00	Oil	26	5.20	30.00	15.00		15.00	1.70
748	3	66.00	Coal	5	20.00	Oil	26	5.20	24.00	15.00	47.00	57.00	
749	O. H.		Coal	7	28.00	Oil	26	5.20	57.50	24.70	50.00	71.00	2.13
750	6	120.00	Coal	6	24.00	Oil	23	3.90	25.00	20.00	6.00	5.00	

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bnd- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
			\$6.50		\$4.00	\$2.50						\$320.30	676
			6.00		4.00	11.00	\$17.00					349.30	677
	\$7.80			\$3.00	6.00			18.00		12.00	\$15.00	228.90	678
			2.00	1.00			15.00	24.00		30.00		306.30	679
			6.00		3.00	4.00	7.60		7.20	5.00		223.10	680
				6.00	4.00	9.60	12.00	12.00	12.00	46.00		238.15	681
					5.00	2.50	36.00	20.00	4.80		15.00	354.20	682
				12.00	8.00	.50	54.00	6.00	7.20	28.00		279.10	683
							15.00	2.00		10.00		346.80	684
		4.50		50.00	2.00		49.50	6.00	3.00	6.00	34.00	227.10	685
41.00					3.00	21.00	10.00	36.00	14.00	28.00		463.80	686
26.60		2.00			5.00	20.00	30.00	3.00		10.00	36.00	435.55	687
		6.00		4.00	4.00	1.00	6.00	6.00	2.00	50.00		214.70	688
				2.00	1.00	20.00	27.00		12.00	12.00		375.70	689
7.80		3.00		3.00	2.00	5.00	3.00	18.00	18.00			293.60	690
7.80					2.00	10.00		8.00		25.00		293.80	691
				3.00	7.00	3.00	25.00	3.00	12.00	38.00		282.55	692
7.80				3.00	3.00	5.00	100.00	12.00		30.00		464.04	693
				12.00	2.00	5.00	30.00	12.00	12.00	6.00		292.50	694
					2.00	2.50	15.00	15.00	7.20	30.00		282.40	695
8.00		18.00		5.00	12.00	16.50	17.00	6.00		12.00		479.10	696
		6.00		3.00	2.00	2.00	4.00	6.00	6.00	30.00		253.55	697
		6.00		5.00	2.00		3.00	3.00	3.00	26.00	12.00	163.50	698
		6.00		3.00	1.00		35.00	6.00	15.00	12.00	10.00	299.30	699
				3.00	2.00		3.00	3.00	14.40	12.00	8.00	195.00	700
				4.00	1.00	1.50	5.00	15.00	18.00	12.00	10.00	210.20	701
				3.00	1.50	5.00	2.00	2.00	6.00	12.00	50.00	330.50	702
				2.00	1.00		5.00	18.00	12.00	18.00	30.00	287.00	703
				3.00	2.00	1.50	1.00		16.00	12.00	30.00	259.20	704
				3.00	1.00	1.00	6.00	1.00	18.00	12.00	12.00	297.00	705
				1.00	1.50	1.50	3.00	6.00	10.00	14.00	12.00	196.00	706
				1.50	3.00	3.50		30.00	15.00	15.00		268.10	707
\$6.00		20.00		2.50	10.00	22.00	3.00			19.00	35.00	223.30	708
		6.00		1.00	10.00	25.00	6.00	12.00		8.00		282.60	709
7.80				3.00		1.50	2.50	4.00	12.00	1.00		220.60	710
		6.00		1.80	3.00	5.00	10.00	23.00	7.20	5.00		234.10	711
7.80		3.00		5.00	6.00	.50		6.00		7.00		100.30	712
7.80					3.00	2.00	34.00	6.00	12.00	10.00		262.60	713
7.80						6.00	70.00	12.00	10.00	15.00		292.50	714
				.50			1.00	1.00	19.50	12.00	8.00	165.75	715
		7.00		3.00	1.00	1.50	5.00			12.00	80.00	388.20	716
				2.00			5.00	3.00	19.20	12.00	40.00	201.20	717
		5.00		3.00	2.00	1.50		4.00		10.00	40.00	271.60	718
				5.00	1.00	3.00	3.00	4.00	20.00	10.00	46.00	204.00	719
				3.00	2.00	1.00	3.00	6.00	19.20	10.00	15.00	258.40	720
				6.00	2.00		5.00	5.00		10.00	12.00	222.40	721
		9.00		1.80	.50	1.50	3.00	1.00	10.00	10.00	25.00	225.30	722
7.80		6.00		3.00	1.00		3.00	5.00	16.00	10.00	10.00	204.30	723
				2.00		1.50		24.00	7.60	5.00		100.60	724
36.00				17.00		15.00	6.00	6.00	12.00	12.00	20.00	456.00	725
				11.00		1.50	3.00	3.00	12.00	12.00	16.00	331.50	726
				6.00		6.00			16.00	32.00	89.20	317.98	727
				6.00	3.00			3.25	26.00	17.00	22.50	218.75	728
				1.00	.25	1.85	.40	12.00	7.80	29.00	21.50	279.13	729
				6.50	1.50	2.00	9.00		13.00	25.00	104.50	344.70	730
				6.00	1.50	3.50	2.00	10.00	10.40	10.00	40.20	237.30	731
								30.00	3.25	25.00	22.50	210.35	732
				2.00	1.00	1.80	14.00	13.00	7.80	12.00	49.50	272.18	733
				2.40	1.00			13.00		45.00	24.25	216.35	734
				.25		3.00	7.40	13.00	10.00	18.00	21.25	288.40	735
				2.00	1.00		4.60	6.00		7.00	14.50	259.55	736
				3.00		.10	7.00	1.25	10.40	52.00	9.30	193.63	737
				8.00	1.25	17.50	8.00	4.00	9.00	20.00	161.20	428.70	738
				3.75		5.50		1.00	15.00	4.00	7.20	252.90	739
							12.60	3.00	12.00	3.00	5.00	244.50	740
				3.00	1.00			5.00	12.00	10.00	8.00	150.90	741
				3.60	1.00	1.50		3.00	10.25	10.00	15.00	191.34	742
					.75	4.00	1.50	8.00		30.00	50.45	311.35	743
				6.00	1.00	2.00	12.00	13.00	6.00	20.00	22.20	278.25	744
				4.50	1.00	1.25	2.00	13.00	18.00	15.00	7.25	269.75	745
		4.80		6.00		1.00	13.00	1.50	2.40	10.00	19.20	275.60	746
				6.00	1.00			9.00	20.00	20.00	9.00	250.90	747
		10.70				3.00		13.00	5.60	13.00	6.70	286.20	748
				2.40	.50			10.00	10.40	27.50	10.70	300.03	749
						3.00		4.00	16.80	5.00	37.00	269.70	750



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
751	3	\$66.00	.....	.....	\$38.00	Oil...	36	\$7.20	\$33.60	\$20.00	\$15.00	\$62.40	\$3.00
752	6	108.00	.....	.....	42.25	Oil...	48	9.60	28.00	11.35	54.50	7.25	3.87
753	O. H.	.....	Coal.	5	20.00	Oil...	26	5.20	34.00	10.00	8.00	2.00	3.00
754	2	42.00	Coal.	.....	21.70	Oil...	24	2.40	65.00	70.00	45.00	14.40	4.52
755	3	96.00	Coal.	.....	24.50	Oil...	24	2.40	50.00	45.00	35.00	.....	5.24
756	O. H.	.....	Coal.	.....	30.00	Oil...	24	2.40	50.00	60.00	75.00	50.00	11.00
757	6	96.00	Coal.	.....	28.00	Oil...	24	2.40	50.00	45.00	75.00	10.00	27.75
758	2	42.00	Coal.	.....	21.70	Oil...	20	2.00	10.00	7.00	49.00	.....	4.77
759	3	84.00	Coal.	.....	25.20	Oil...	24	2.40	30.00	30.00	50.00	27.00	5.75
760	2	42.00	Coal.	.....	23.80	Oil...	18	1.80	12.00	10.00	37.00	.....	4.10
761	O. H.	.....	Coal.	.....	23.45	Oil...	24	2.40	28.00	25.00	48.00	15.00	10.50
762	4	80.00	Coal.	.....	28.00	Oil...	36	3.60	32.00	45.00	115.00	58.00	5.75
763	4	38.60	.....	.....	15.05	.....	.....	3.52	19.30	19.30	73.34	.....	.48
764	2	19.30	.....	.....	15.05	.....	.....	5.02	28.95	9.65	67.55	1.93	.48
765	5	38.60	.....	.....	10.04	.....	.....	3.47	19.30	7.72	15.44	.....	.39
766	3	27.79	Coal.	.....	15.05	.....	.....	2.01	17.37	11.58	.....	.....	.48
767	4	30.88	.....	.....	10.04	.....	.....	2.01	28.95	13.51	.....	.....	.48
768	7	34.74	.....	.....	29.33	.....	.....	10.03	38.60	9.65	77.20	3.86	.97
769	3	27.79	.....	.....	15.05	.....	.....	5.02	28.95	9.65	67.55	.....	.48
770	8	34.74	.....	.....	29.34	.....	.....	6.37	38.60	9.65	119.66	1.93	.96
771	4	34.74	Coal.	.....	15.05	.....	.....	5.60	34.74	11.58	23.16	.....	.48
772	4	23.16	Coal.	.....	15.05	Oil...	.....	3.52	28.95	15.44	48.25	.....	.48
773	6	38.60	Coal.	.....	15.05	Oil...	.....	3.51	9.65	9.65	86.85	.....	.48
774	3	44.29	Coal.	.....	24.33	Oil...	.....	4.87	34.06	29.20	14.60	7.30	.....
775	3	37.96	Coal.	.....	19.47	Oil...	.....	4.87	29.20	29.20	.....	.....	.....
776	3	37.96	Coal.	.....	21.90	Oil...	.....	7.30	48.67	38.93	29.20	4.87	.....
777	4	50.61	Coal.	.....	29.20	Oil...	.....	8.52	38.93	29.20	48.67	.....	.....
778	3	35.85	Coal.	.....	21.90	Oil...	.....	4.87	29.20	29.20	19.47	.....	.....
779	3	47.45	Coal.	.....	21.90	Oil...	.....	9.73	34.06	38.93	43.80	4.87	.....
780	3	44.28	Coal.	.....	21.90	Oil...	.....	6.08	48.66	48.66	.....	34.06	.....
781	3	44.29	Coal.	.....	26.76	Oil...	.....	7.30	34.07	48.67	24.33	9.73	.....
782	4	47.45	Coal.	.....	24.33	Oil...	.....	7.30	48.67	38.93	34.07	7.30	.....
783	3	41.12	Coal.	.....	24.33	Oil...	.....	6.08	29.20	24.33	29.20	4.87	.....
784	3	46.39	Coal.	.....	24.33	Oil...	.....	4.87	29.20	29.20	.....	2.43	.....
785	3	47.45	Coal.	.....	24.33	Oil...	.....	8.52	48.66	34.06	9.73	4.87	.....
786	3	44.29	Coal.	.....	24.33	Oil...	.....	6.08	38.93	29.20	7.30	.....	.....
787	3	37.96	Coal.	.....	21.90	Oil...	.....	6.08	29.20	29.20	29.20	2.43	.....
788	3	37.96	Coal.	.....	21.90	Oil...	.....	8.52	34.06	34.06	14.60	4.87	.....
789	3	44.28	Coal.	.....	24.33	Oil...	.....	8.52	38.93	38.93	38.93	4.87	.....
790	3	44.29	Coal.	.....	24.33	Oil...	.....	6.08	38.93	29.20	87.60	9.73	.....
791	4	32.60	Coal.	10	24.33	.....	.....	5.35	29.20	29.20	.....	29.20	.....
792	6	34.71	Coal.	10	24.33	Oil...	.....	5.84	19.47	19.47	.....	.....	.....
793	5	22.06	Coal.	10	24.33	Oil...	.....	4.38	14.60	9.73	9.73	.....	.....
794	5	19.30	Coal.	12	29.20	Oil...	.....	3.89	14.60	19.47	65.26	.....	.....
795	5	22.06	Coal.	10	24.33	Oil...	.....	4.87	24.33	19.47	2.43	.....	.....
796	6	34.71	Coal.	10	24.33	Oil...	.....	5.60	24.33	24.33	34.07	.....	.....
797	4	50.61	Coal.	.....	26.76	Oil...	.....	7.30	38.93	29.20	68.13	4.87	.....
798	3	44.29	Coal.	.....	24.33	Oil...	.....	7.30	38.93	29.20	.....	12.17	.....
799	3	36.01	Coal.	.....	12.17	Oil...	.....	4.87	14.60	14.60	9.73	2.43	.....
800	.....	51.10	Coal.	.....	12.17	Oil...	.....	7.30	14.60	21.90	87.60	9.73	1.95
801	.....	41.37	Coal.	.....	12.17	Oil...	.....	3.65	12.17	17.03	34.07	2.43	1.46
802	.....	41.37	Coal.	.....	12.17	Oil...	.....	4.87	14.60	17.03	24.33	2.43	.....
803	4	58.40	Coal.	.....	14.60	Oil...	.....	7.30	19.47	19.47	73.00	12.17	2.19
804	.....	36.50	Coal.	.....	9.73	Oil...	.....	4.87	21.90	21.90	38.93	2.43	1.46
805	.....	48.67	Coal.	.....	12.17	Oil...	.....	4.87	19.47	12.17	43.80	4.87	1.82
806	2	48.07	Coal.	.....	14.60	Oil...	.....	4.87	19.47	14.60	24.33	9.73	1.82
807	.....	58.40	Coal.	.....	17.03	Oil...	.....	6.08	24.33	17.03	26.77	9.73	2.19
808	.....	51.10	Coal.	.....	14.60	Oil...	.....	6.08	19.47	26.77	60.83	7.30	1.95
809	.....	68.13	Coal.	.....	19.47	Oil...	.....	4.87	24.33	17.03	73.00	9.73	2.43
810	.....	58.40	Coal.	.....	17.03	Oil...	.....	4.87	19.47	17.03	126.53	9.73	2.19
811	3	58.40	Coal.	.....	19.47	Oil...	.....	7.30	19.47	21.90	58.40	9.73	2.19
812	.....	38.93	Coal.	.....	9.73	Oil...	.....	3.65	21.90	19.47	9.73	2.43	1.46
813	.....	38.03	Coal.	.....	9.73	Oil...	.....	3.65	14.60	17.03	7.30	2.43	1.46
814	.....	55.96	Coal.	.....	14.60	Oil...	.....	7.30	19.47	21.90	58.40	2.43	2.19
815	.....	38.93	Coal.	.....	12.17	Oil...	.....	4.87	21.90	21.90	19.47	2.43	1.46
816	.....	43.80	Coal.	.....	12.17	Oil...	.....	4.87	14.60	19.46	58.40	4.87	1.70
817	.....	36.50	Coal.	.....	12.17	Oil...	.....	3.65	12.17	14.60	21.00	.....	1.22
818	.....	36.50	Coal.	.....	12.17	Oil...	.....	4.87	12.17	17.03	21.90	2.43	1.34
819	.....	34.07	Coal.	.....	13.38	Oil...	.....	3.65	12.17	17.03	9.73	2.43	1.22
820	2	36.50	Coal.	.....	12.17	Oil...	.....	3.65	14.60	19.47	24.33	2.43	1.46
821	3	53.63	Coal.	.....	14.60	Oil...	.....	7.30	26.77	19.47	97.33	9.73	1.95
822	4	27.33	Coal.	10	24.33	Oil...	.....	4.38	19.47	14.60	2.43	.....	.....
823	5	22.06	Coal.	10	24.33	Gas..	.....	7.79	19.47	19.47	24.34	.....	.....
824	6	29.85	Coal.	12	29.20	Oil...	.....	6.33	24.33	19.47	73.00	.....	.....
825	4	31.96	Coal.	12	29.20	Oil...	.....	4.38	24.33	20.20	2.43	.....	.....



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bnd- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
				\$5.00		\$3.75	\$2.00	\$3.00		\$40.00	\$46.60	\$345.55	751
				5.00	\$1.50	6.00		2.00	\$12.00	37.00	13.00	341.32	752
					6.06	2.50	2.00		5.20	6.00	37.20	132.60	753
						4.00			25.40		7.25	306.17	754
\$15.00		\$6.00	\$18.00	5.00		7.50			12.00	30.00	7.00	329.14	755
				8.00	5.00	3.16			15.00	25.00	7.00	358.90	756
	\$10.40					5.00			7.00	10.00	8.00	375.31	757
						3.00			11.52	42.50	19.64	225.53	758
						3.00			17.00	25.00	7.00	306.35	759
6.00				3.00	7.00	9.00			5.76	14.50	6.35	173.31	760
				5.00	6.00	11.00				24.00	185.25	378.20	761
				3.47	.58				6.58	25.00	8.50	432.43	762
		3.86		1.00			53.65	15.05	6.95	15.44		196.03	763
				1.00								221.49	764
				1.06				10.04	4.09	3.86	3.86	117.81	765
			16.06	1.06				2.90	2.70	38.60	3.86	139.46	766
				1.00				4.90	4.63		4.25	100.65	767
				2.32		3.09	67.55	7.53	39.95	14.48	339.30	768	
				.97			25.09	13.90	3.47		7.53	205.45	769
			3.47			1.93	34.74		10.04	38.60	8.69	338.72	770
				1.97				5.79	5.02	13.51		151.64	771
		3.47					10.04	15.05	5.40	28.95	8.11	205.87	772
			3.51		2.01		40.15				4.01	213.47	773
6.33			9.73			4.87	24.33	14.60	12.65	6.33		237.49	774
12.66			7.30			7.30	21.90	12.65	12.65	6.33		201.49	775
12.65	6.33	6.33	4.87	2.43	9.73	24.33				6.33		261.83	776
12.65	6.33	12.65		2.43	9.73	24.33	25.30	12.65	12.65	6.33		317.53	777
12.65		12.65			4.87	24.33	14.60	14.60	6.33			230.52	778
12.65		6.33			7.30	29.20	19.47	14.60	6.33			296.62	779
9.73		12.65		2.43	4.87	34.07	19.47	14.60	6.33			307.79	780
12.65		17.03	4.87	3.65	9.73	53.53	14.60	12.65	6.33			330.19	781
12.65		12.65	4.87	2.43	7.30	38.93	24.33	14.60	6.33			332.14	782
12.65		9.73		2.43	4.87	21.90	12.65	12.65	6.33			242.34	783
12.65		12.65		2.43	4.87	14.60			6.33			189.95	784
18.98		6.33	2.43		4.87	24.33	12.65	12.65	6.33			266.19	785
12.65		12.65			4.87	29.20	19.47	12.65	6.33			247.95	786
6.33		12.65	2.43	2.43	7.30	19.46			6.33			212.90	787
18.98		14.60		2.43	4.87	24.33	29.20	14.60	6.33			271.31	788
18.98		12.65	4.87		4.87	29.20	19.47	12.65	6.33			307.81	789
12.65		14.60	4.87	2.43	4.87	63.27	29.20	24.33	12.65			409.03	790
		13.71			6.33	9.73		18.98	3.16	14.60		187.19	791
		6.85			4.22	4.87	12.65		3.16			164.77	792
		6.85	2.43		4.22	9.73	18.98	12.65	2.11	6.34		148.14	793
		6.85						29.52	3.16			189.25	794
		6.85	9.49		3.16	19.46	25.31		3.16			164.92	795
		6.85	25.31		2.11	7.30	9.73		4.22			202.89	796
12.65		9.73	4.87		4.87	19.47	12.65	12.65	6.33			309.02	797
18.98		12.65			4.87	34.06	14.60	12.65	6.33			260.36	798
3.16	6.34	3.16			1.46		12.65	12.65	1.06			134.89	799
	2.43		2.43		2.43	21.90			4.87			240.41	800
			1.22		6.08	9.74			2.43			143.82	801
			1.46		2.43	12.16			2.43			135.28	802
	2.43		2.43		7.30	12.16			9.73			240.65	803
	2.43		1.22		2.43	9.73			4.87			158.40	804
	2.43		2.43		2.43	19.46	29.20	19.47	4.87			228.13	805
			1.94		4.87	14.60	34.06	14.60	4.87			213.03	806
			2.43		7.30	12.17			4.87			188.33	807
	4.87			2.43	12.17	14.60	29.20		9.73			261.10	808
		7.30	2.43		21.90	58.40	24.33		4.87			338.22	809
	2.43		2.43	2.43	7.30	24.33			4.87			299.04	810
			2.43		7.30	19.46						226.05	811
			1.22		1.22	14.60				2.43		126.77	812
	2.43		2.43		7.30	4.87	24.33	14.60	4.87			151.10	813
					7.30		24.33	19.47				238.21	814
			1.46		6.08	14.60			2.43			147.70	815
	2.43		2.43		2.43	4.87	24.33	19.47	2.43			218.26	816
					2.43	7.30			2.43			114.37	817
	2.43				2.43				2.43			115.70	818
					6.08	14.60	24.33		2.43			141.12	819
			1.22		2.43	2.43			2.43			123.12	820
	2.43		2.43	2.43	2.43	7.30			9.73			237.43	821
			6.33		4.22				3.16			106.25	822
		6.85			3.16	19.46	18.29		3.16			168.38	823
		6.85	12.65		7.38	9.73	18.98		3.16	25.32		266.25	824
			12.65		5.27	14.60			3.16			157.18	825

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
826	4	\$28.79	Coal.	12	\$29.20	Oil...	.....	\$4.87	\$19.47	\$19.47	\$19.47	.....	.....
827	5	22.06	Coal.	10	24.33	Oil...	.....	4.38	14.60	9.73	14.60	.....	.....
828	6	40.07	Coal.	12	29.20	Oil...	.....	6.81	19.47	19.47	97.33	.....	.....
829	5	22.06	Coal.	10	24.33	Oil...	.....	5.35	19.47	19.47	24.34	.....	.....
830	6	29.85	Coal.	12	29.20	Oil...	.....	5.35	19.47	19.47	9.73	.....	.....
831	5	22.06	Coal.	10	24.33	Oil...	.....	4.87	14.60	9.73	9.73	.....	.....
832	5	28.39	Coal.	10	24.33	Oil...	.....	5.84	14.60	9.73	48.67	.....	.....
833	5	41.04	Coal.	10	24.33	Oil...	.....	6.33	19.47	29.20	.....	.....	.....
834	4	28.39	Coal.	10	24.33	Oil...	.....	4.38	14.60	14.60	9.73	.....	.....
835	4	25.63	Coal.	12	29.20	Oil...	.....	3.65	24.33	24.33	48.67	.....	.....
836	3	31.96	Coal.	12	29.20	Oil...	.....	4.14	19.47	19.47	.....	.....	.....
837	6	34.71	Coal.	10	24.33	Oil...	.....	9.73	19.47	19.47	2.43	.....	.....
838	3	35.04	Coal.	.....	12.17	Oil...	.....	6.33	14.60	12.17	19.47	\$1.46	.....

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Und- get num- ber.
Prop- erty.	Life.	La- bor.	Other										
-----	-----	-----	15.82	\$9.73	-----	\$4.22	-----	-----	-----	\$3.16	-----	\$138.38	826
-----	-----	-----	27.41	-----	-----	8.44	\$73.00	\$37.96	\$31.63	2.11	-----	107.63	827
-----	-----	-----	6.85	-----	-----	-----	-----	12.65	12.65	4.22	\$126.53	521.54	828
-----	-----	-----	6.85	4.87	-----	4.22	-----	12.65	12.65	4.22	6.33	150.33	829
-----	-----	-----	6.85	-----	-----	-----	-----	12.65	-----	2.11	-----	152.21	830
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2.11	-----	106.93	831
-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	2.11	-----	133.67	832
-----	-----	-----	15.82	18.98	-----	6.33	7.30	25.31	18.98	3.16	58.40	274.65	833
-----	-----	-----	6.85	6.33	-----	3.16	4.87	12.65	16.87	3.16	6.33	156.25	834
-----	-----	-----	-----	-----	-----	3.16	-----	37.96	25.31	4.22	-----	226.46	835
-----	-----	-----	-----	-----	-----	4.22	-----	19.47	19.47	3.16	-----	150.56	836
-----	-----	-----	6.85	3.16	-----	-----	9.74	-----	-----	3.16	6.33	139.38	837
-----	\$3.16	\$6.33	3.16	-----	-----	1.46	2.43	34.07	9.73	1.05	-----	162.63	838



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
1	2	No.	\$72.00	\$145.50	\$258.80	\$476.30	\$148.00			\$448.00		\$28.30
2	3	No.	72.00	189.40	226.20	487.60	530.00			530.00	\$42.40	
3	2	No.	72.00	140.30	220.00	432.30	500.00		\$30.00	530.00	97.70	
4	5	No.	72.00	192.56	235.85	500.41	435.00		90.00	525.00	24.59	
5	2	No.	72.00	176.70	269.20	517.90	410.00		20.00	430.00		87.90
6	2	No.	36.00	126.32	251.50	413.82	420.00			420.00	6.18	
7	4	No.	72.00	152.45	282.90	507.35	350.00		126.00	476.00		31.35
8	6	No.	72.00	177.65	229.70	479.35	410.20		20.00	430.20		49.15
9	5	No.	72.00	221.15	305.10	608.25	655.00			655.00	46.75	
10	4	No.	36.00	145.30	186.90	368.20	350.00		18.00	368.00		.20
11	2	No.	72.00	156.20	203.80	432.00	384.00			384.00		48.00
12	2	No.	36.00	177.77	255.00	468.77	400.00		25.00	425.00		43.77
13	3	No.	60.00	222.85	159.80	442.65	564.00			564.00	121.35	
14	3	No.	Free.	154.85	223.00	377.85	350.00		15.00	365.00		12.85
15	6	No.	72.00	177.55	173.50	423.05	350.00		144.00	494.00	70.95	
16	2	No.	48.00	162.30	479.50	689.80	912.50			912.50	222.70	
17	7	No.	48.00	304.40	215.25	567.65	450.00		128.00	578.00	10.35	
18	5	No.	48.00	186.40	222.70	457.10	460.00			460.00	2.90	
19	5	No.	36.00	211.65	220.70	468.35	400.00		120.00	520.00	51.65	
20	4	No.	36.00	211.35	268.50	515.85	300.00	\$225.00		525.00	9.15	
21	3	No.	36.00	180.85	293.70	510.55	340.00		144.00	484.00		26.55
22	3	No.	36.00	180.75	192.20	408.95	330.00			330.00		78.95
23	3	No.	36.00	212.70	151.50	400.20	500.00			500.00	99.80	
24	5	No.	36.00	274.05	171.00	481.05	420.00		192.00	612.00	130.95	
25	3	No.	36.00	192.50	158.30	386.80	575.00			575.00	188.20	
26	3	No.	36.00	229.00	167.55	432.55	480.00		48.00	528.00	95.45	
27	3	No.	48.00	201.30	197.70	447.00	620.00			620.00	173.00	
28	8	No.	60.00	269.00	236.50	565.50	520.00		90.00	610.00	44.50	
29	2	No.	48.00	235.00	460.20	743.20	1,040.00			1,040.00	296.80	
30	3	No.	60.00	203.50	456.80	720.30	620.00			620.00		100.30
31	2	No.	60.00	170.30	358.50	588.80	600.00			600.00	11.20	
32	6	No.	96.00	243.45	477.50	816.95	720.00			720.00		96.95
33	2	No.	96.00	155.05	247.40	498.45	840.00			840.00	341.55	
34	2	No.	36.00	185.70	159.90	381.60	385.00			385.00	3.40	
35	2	No.	36.00	185.45	162.90	384.35	440.00			440.00	55.65	
36	2	No.	36.00	160.80	131.70	328.50	350.00			350.00	21.50	
37	2	No.	36.00	138.95	139.80	314.75	320.00			320.00	5.25	
38	2	No.	36.00	167.60	246.70	450.30	325.00		30.00	355.00		95.30
39	4	No.	140.00	228.85	235.50	604.35	658.50		120.00	778.50	174.15	
40	3	No.	36.00	197.20	270.20	503.40	650.00		36.00	686.00	182.60	
41	5	No.	36.00	260.25	256.00	552.25	600.00		72.00	672.00	119.75	
42	3	No.	36.00	173.15	147.60	356.75	520.00		30.00	550.00	193.25	
43	8	No.	72.00	286.80	369.30	728.10	400.00		288.00	688.00		40.10
44	4	No.	60.00	233.40	218.80	512.20	690.00			690.00	177.80	
45	4	No.	48.00	198.95	321.00	567.95	590.50			590.50	22.55	
46	6	No.	48.00	227.45	284.50	559.95	500.00			500.00		59.95
47	7	No.	48.00	293.90	261.50	543.40	550.00			550.00	6.60	
48	2	No.	36.00	169.15	260.20	465.35	425.00			425.00		40.35
49	7	No.	36.00	324.05	341.50	701.55	425.00		288.00	713.00	11.45	
50	3	No.	36.00	228.20	215.50	479.70	500.00		36.00	536.00	56.30	
51	5	No.	48.00	224.95	286.50	559.45	605.50			605.50	46.05	
52	3	No.	36.00	182.40	164.00	382.40	390.00			390.00	7.60	
53	7	No.	36.00	182.50	195.00	413.50	325.00			325.00		88.50
54	6	No.	36.00	201.60	147.30	384.90	396.50			396.50	11.60	
55	5	No.	36.00	190.05	186.50	412.55	425.00		72.00	497.00	84.45	
56	4	No.	36.00	224.50	237.30	497.80	500.00			500.00	2.20	
57	5	No.	36.00	222.40	196.25	454.65	430.50			430.50		24.15
58	4	No.	60.00	195.50	201.30	456.80	640.00			640.00	183.20	
59	7	No.	60.00	235.90	423.50	719.40	675.00			675.00		44.40
60	7	No.	59.50	194.55	210.80	464.85	375.00		76.50	451.50		13.35
61	5	No.	40.00	134.77	226.80	401.57	470.00			470.00	68.43	
62	5	No.	48.00	240.00	295.80	583.80	552.00			552.00		31.80
63	5	No.	30.00	143.85	149.00	322.85	300.00			300.00		22.85
64	6	No.	144.00	283.00	221.00	648.00	600.00			600.00		48.00
65	6	No.	48.00	137.70	300.60	486.30	300.00		4.00	394.00		92.30
66	9	No.	96.00	336.50	898.10	1,330.60	470.00	400.00		870.00		460.60
67	7	No.	105.00	204.48	183.40	492.88	780.00		12.00	792.00	299.12	
68	10	No.	60.00	340.76	340.80	741.56	708.75	50.00	70.00	828.75	87.19	
69	5	No.	96.00	204.40	394.10	694.50	900.00			900.00	205.50	
70	4	No.	60.00	222.60	412.60	695.20	1,118.88			1,118.88	423.68	
71	9	Yes.		384.00	443.50	828.10	809.50	240.00		1,049.50	221.40	
72	9	No.	60.00	169.10	246.80	475.90	300.00		165.00	465.00		10.90
73	2	No.	75.00	148.10	147.20	370.30	378.00			378.00	7.70	
74	2	No.	75.00	139.10	277.30	491.40	554.60			554.60	63.20	
75	7	No.	75.00	157.90	172.50	405.40	275.00		120.00	395.00		10.40

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Budget number.	Number in family.	Own house.	Expenditure for—				Income from—				Surplus.	Deficit.
			Rent.	Food.	All other purposes.	Total.	Husband.	Wife and children.	All other sources.	Total.		
76	2	No.	\$75.00	\$137.40	\$252.50	\$464.90	\$400.00	.....	.....	\$400.00	.....	\$64.90
77	3	No.	75.00	165.55	223.50	464.05	470.00	.....	.....	470.00	\$5.95	.....
78	4	No.	75.00	156.80	185.40	417.20	341.65	.....	.....	341.65	.....	75.55
79	7	No.	60.00	170.70	237.25	467.95	415.65	.....	\$24.00	439.65	.....	28.30
80	7	No.	75.00	194.55	263.50	533.05	300.00	\$220.00	.....	520.00	.....	13.05
81	7	No.	75.00	138.45	206.60	420.05	236.50	.....	40.00	276.50	.....	143.55
82	2	No.	54.00	140.10	294.70	488.80	555.80	.....	.....	555.80	67.00	.....
83	4	No.	96.00	118.90	234.00	448.90	340.00	.....	88.00	428.00	.....	20.90
84	2	No.	60.00	110.25	181.50	351.75	340.00	.....	.....	340.00	.....	11.75
85	3	No.	54.00	135.75	302.50	492.25	417.60	85.00	.....	502.60	10.35	.....
86	2	No.	48.00	140.60	180.00	368.60	315.50	.....	.....	315.50	.....	53.10
87	3	No.	84.00	176.70	341.25	601.95	581.31	.....	.....	581.31	.....	20.64
88	3	No.	54.00	205.00	260.00	519.00	690.00	100.00	.....	790.00	271.00	.....
89	2	No.	48.00	135.65	145.00	328.65	478.75	.....	.....	478.75	150.10	.....
90	4	No.	90.00	188.55	357.80	636.35	497.67	.....	.....	497.67	.....	138.68
91	8	No.	84.00	218.50	268.50	571.00	475.00	.....	75.00	550.00	.....	21.00
92	2	No.	60.00	122.75	183.65	366.40	420.00	.....	.....	420.00	53.60	.....
93	3	No.	84.00	194.25	284.00	562.25	544.90	.....	60.00	604.90	42.65	.....
94	3	No.	30.00	146.20	205.30	381.50	345.20	.....	.....	345.20	.....	36.30
95	3	No.	60.00	151.80	191.00	402.80	325.00	.....	.....	325.00	.....	77.80
96	2	No.	48.00	180.35	208.00	436.35	400.00	.....	.....	400.00	.....	36.35
97	3	No.	48.00	208.20	276.10	532.30	490.00	145.00	.....	635.00	102.70	.....
98	6	No.	60.00	178.45	266.80	505.25	538.70	.....	.....	538.70	33.45	.....
99	3	No.	60.00	158.45	156.90	375.35	399.75	.....	.....	399.75	24.40	.....
100	2	No.	186.00	200.40	218.70	605.10	580.00	.....	25.00	605.00	.....	.10
101	6	No.	60.00	204.35	267.30	531.65	650.00	.....	.....	650.00	118.35	.....
102	2	No.	48.00	164.70	244.50	457.20	385.00	.....	.....	385.00	.....	72.20
103	3	No.	48.00	173.00	372.35	593.35	395.00	.....	.....	395.00	.....	193.35
104	2	No.	60.00	117.65	129.70	307.35	227.75	.....	20.00	247.75	.....	59.60
105	4	No.	144.00	208.05	305.00	657.05	810.20	.....	.....	810.20	153.15	.....
106	2	No.	144.00	150.83	146.60	441.43	547.50	.....	.....	547.50	106.07	.....
107	4	No.	120.00	197.85	471.00	788.85	1,200.00	.....	.....	1,200.00	411.15	.....
108	7	Yes.	.....	289.80	315.30	605.10	635.00	53.00	.....	693.00	87.90	.....
109	5	No.	60.00	171.50	248.00	479.50	360.00	.....	50.00	410.00	.....	69.50
110	6	No.	72.00	162.70	249.10	483.80	350.00	.....	.....	350.00	.....	133.80
111	6	No.	204.00	313.22	594.50	1,111.72	1,080.00	.....	.....	1,080.00	.....	31.72
112	4	No.	90.00	168.25	282.00	540.25	545.28	.....	.....	545.28	5.03	.....
113	5	No.	144.00	216.45	275.10	635.55	633.24	.....	40.00	673.24	37.69	.....
114	6	No.	120.00	211.70	321.00	652.70	527.58	.....	.....	527.58	.....	125.12
115	5	No.	72.00	144.55	151.50	368.05	326.38	.....	30.00	356.38	.....	11.69
116	2	No.	180.00	193.85	490.05	863.90	473.07	.....	.....	473.07	.....	390.83
117	5	No.	96.00	144.75	182.00	422.75	435.77	.....	.....	435.77	13.02	.....
118	5	No.	83.00	187.30	207.90	478.20	453.08	.....	.....	453.08	.....	25.12
119	4	Yes.	.....	169.00	261.00	430.00	330.64	240.00	.....	570.64	140.64	.....
120	3	No.	36.00	197.50	239.00	472.50	390.00	.....	40.00	430.00	.....	42.50
121	7	No.	72.00	180.62	214.30	466.82	289.10	120.00	60.00	469.10	2.28	.....
122	2	No.	96.00	192.10	291.60	579.70	498.82	.....	.....	498.82	.....	80.88
123	6	No.	96.00	167.20	250.10	513.30	355.79	.....	30.00	385.79	.....	127.51
124	3	Yes.	.....	124.20	276.50	400.70	462.23	.....	.....	462.23	61.53	.....
125	5	No.	60.00	205.40	211.10	476.50	299.16	.....	144.00	443.16	.....	33.34
126	6	No.	90.00	240.35	352.00	682.35	268.29	380.00	.....	648.29	.....	34.06
127	2	No.	72.00	152.90	336.75	561.65	354.00	.....	36.00	390.00	.....	171.65
128	7	No.	60.00	155.95	222.60	438.55	300.00	.....	50.00	350.00	.....	88.55
129	6	No.	54.00	219.30	148.80	422.10	390.00	.....	.....	390.00	.....	32.10
130	7	No.	00.00	210.30	326.30	605.60	420.00	.....	80.00	500.00	.....	105.60
131	10	No.	105.00	284.50	343.80	733.30	464.00	588.00	.....	1,052.00	318.70	.....
132	2	No.	54.00	154.80	137.70	346.50	295.00	.....	.....	205.00	.....	141.50
133	6	No.	72.00	249.20	373.50	694.70	630.00	120.00	.....	750.00	55.30	.....
134	9	No.	120.00	299.20	421.50	840.70	1,100.00	25.00	.....	1,125.00	284.30	.....
135	2	Yes.	.....	170.28	153.70	323.98	625.40	.....	.....	625.40	.....	901.42
136	4	Yes.	.....	149.65	163.80	313.45	890.00	.....	.....	890.00	.....	576.55
137	3	No.	75.00	209.55	181.50	466.05	500.00	.....	.....	500.00	33.95	.....
138	8	Yes.	.....	194.52	300.00	494.52	599.76	108.00	30.00	737.76	243.24	.....
139	2	No.	240.00	133.20	177.70	550.90	654.00	.....	.....	654.00	103.10	.....
140	3	No.	60.00	175.40	170.60	415.00	500.00	.....	.....	500.00	85.00	.....
141	4	No.	84.00	171.55	182.00	437.55	569.95	.....	.....	569.95	132.40	.....
142	2	No.	96.00	171.53	155.00	422.53	720.00	.....	.....	720.00	297.47	.....
143	5	No.	60.00	215.76	207.50	483.26	825.00	.....	.....	825.00	341.74	.....
144	5	No.	42.00	124.70	168.30	335.00	335.00	.....	.....	335.00	.60	.....
145	5	No.	48.00	192.00	242.55	482.55	475.00	.....	.....	475.00	.....	7.55
146	7	No.	48.00	206.20	765.00	1,019.20	1,020.00	.....	.....	1,020.00	.80	.....
147	2	No.	12.00	92.50	52.40	156.90	150.00	.....	.....	150.00	.....	6.90
148	8	No.	60.00	248.20	282.95	691.15	620.00	300.00	.....	920.00	228.85	.....
149	2	No.	24.00	138.40	162.05	324.45	350.00	.....	.....	350.00	25.55	.....
150	8	No.	38.00	174.74	259.00	471.74	460.00	20.00	40.00	520.00	48.26	.....



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
151	10	No..	\$48.00	\$241.40	\$368.75	\$658.15	\$504.00	.....	\$120.00	\$624.00	.....	\$34.15
152	8	No..	48.00	162.00	202.05	412.05	420.50	.....	.....	420.50	\$8.45	.....
153	9	No..	48.00	170.95	299.05	518.00	264.00	\$350.00	.....	614.00	96.00	.....
154	4	No..	48.00	125.30	222.15	395.45	340.00	.....	24.00	364.00	.....	31.45
155	3	No..	48.00	153.60	198.55	400.15	700.00	.....	.....	700.00	299.85	.....
156	4	No..	40.00	119.15	181.20	340.35	200.00	.....	145.00	345.00	4.65	.....
157	4	No..	12.00	117.40	91.00	220.40	260.00	.....	12.00	272.00	51.60	.....
158	2	No..	18.00	136.60	189.55	344.15	370.25	.....	.....	370.25	26.10	.....
159	5	No..	44.00	204.30	195.30	443.60	200.00	224.00	24.00	448.00	4.40	.....
160	5	No..	36.00	201.25	227.80	465.05	270.00	200.00	200.00	670.00	204.95	.....
161	7	No..	36.00	213.00	246.25	495.25	440.00	150.00	.....	590.00	94.75	.....
162	6	No..	36.00	136.60	125.50	298.10	270.00	.....	.....	270.00	.....	28.10
163	6	No..	40.00	129.00	185.80	354.80	358.00	.....	.....	358.00	3.20	.....
164	2	No..	48.00	111.70	126.65	286.35	420.00	.....	.....	420.00	133.65	.....
165	10	No..	48.00	193.00	228.60	469.60	420.00	150.00	.....	570.00	100.40	.....
166	3	No..	48.00	135.65	254.05	437.70	520.00	.....	.....	520.00	82.30	.....
167	8	No..	48.00	199.35	278.25	525.60	320.00	.....	200.00	520.00	.....	5.60
168	8	No..	48.00	207.40	299.75	555.15	430.00	200.00	.....	630.00	74.85	.....
169	2	No..	108.00	300.00	476.68	884.68	610.00	.....	.....	610.00	.....	274.68
170	5	Yes..	.....	300.00	528.00	828.00	473.00	.....	318.90	791.90	.....	36.10
171	3	No..	84.00	256.70	393.60	734.30	584.00	.....	.....	584.00	.....	150.30
172	3	No..	72.00	213.00	315.00	600.00	730.00	.....	.....	730.00	130.00	.....
173	4	No..	96.00	263.00	270.15	629.15	650.00	.....	.....	650.00	20.85	.....
174	3	No..	72.00	225.81	185.25	483.06	492.75	.....	.....	492.75	9.69	.....
175	3	No..	52.00	149.26	114.50	315.76	375.00	.....	.....	375.00	59.24	.....
176	4	Yes..	.....	360.00	228.60	588.60	684.00	.....	.....	684.00	95.40	.....
177	5	Yes..	.....	300.00	576.80	876.80	660.00	.....	.....	660.00	.....	216.80
178	9	No..	84.00	660.00	451.60	1,195.60	778.30	.....	240.00	1,018.30	.....	177.30
179	8	No..	84.00	480.00	411.80	975.80	820.00	.....	54.00	874.00	.....	101.80
180	5	No..	96.00	342.29	462.36	900.65	821.25	.....	80.00	901.25	.....	.....
181	7	No..	84.00	323.55	377.20	784.75	784.75	.....	.....	784.75	.....	.....
182	2	No..	84.00	317.77	270.05	671.82	629.35	.....	35.00	664.35	.....	7.47
183	10	No..	108.00	545.13	367.20	1,020.33	780.45	.....	240.00	1,020.45	.....	.....
184	5	Yes..	.....	360.00	229.00	589.00	617.50	.....	.....	617.50	28.50	.....
185	4	No..	60.00	360.00	373.88	793.88	469.00	.....	.....	469.00	.....	324.88
186	3	Yes..	.....	300.00	175.44	475.44	525.00	.....	.....	525.00	49.56	.....
187	2	No..	96.00	360.00	419.84	875.84	579.50	.....	.....	579.50	.....	296.34
188	5	Yes..	.....	384.00	256.59	640.59	437.50	.....	.....	437.50	.....	183.09
189	2	No..	48.00	300.00	320.74	668.74	720.25	.....	.....	720.25	51.51	.....
190	6	Yes..	.....	360.00	303.70	663.70	678.30	.....	.....	678.30	14.60	.....
191	2	No..	120.00	300.00	451.60	871.60	1,038.25	.....	.....	1,038.25	166.65	.....
192	4	Yes..	.....	300.00	434.80	734.80	655.00	.....	.....	655.00	.....	79.80
193	3	No..	84.00	260.00	300.94	644.94	800.00	.....	.....	800.00	155.06	.....
194	4	Yes..	.....	300.00	254.40	554.40	684.00	.....	.....	684.00	129.60	.....
195	5	No..	120.00	300.00	445.50	865.50	693.50	.....	258.00	951.50	86.00	.....
196	6	No..	48.00	317.20	259.40	624.60	480.00	.....	.....	480.00	.....	144.60
197	2	No..	84.00	217.25	420.00	721.25	821.25	.....	.....	821.25	100.00	.....
198	5	No..	94.00	393.25	427.85	915.10	730.00	35.00	.....	765.00	.....	150.10
199	4	No..	60.00	360.00	162.04	582.04	300.00	.....	208.00	508.00	.....	74.04
200	4	No..	84.00	240.00	150.24	474.24	420.00	.....	.....	420.00	.....	54.24
201	4	No..	84.00	360.00	329.40	773.40	670.00	.....	.....	670.00	.....	103.40
202	2	No..	84.00	300.00	271.60	655.60	715.95	.....	.....	715.95	60.35	.....
203	6	No..	120.00	360.00	373.80	853.80	1,082.85	.....	.....	1,082.85	229.05	.....
204	7	No..	144.00	960.00	324.80	1,428.80	710.25	.....	804.00	1,514.25	85.45	.....
205	2	No..	96.00	289.65	481.20	866.85	700.00	.....	.....	700.00	.....	166.85
206	2	No..	96.00	206.88	297.00	599.88	550.00	.....	.....	550.00	.....	49.88
207	5	No..	96.00	340.25	288.90	725.15	1,003.75	.....	.....	1,003.75	278.60	.....
208	5	No..	84.00	229.13	334.85	647.98	700.00	.....	.....	700.00	52.02	.....
209	4	No..	Free..	229.25	249.00	478.25	650.00	.....	.....	650.00	171.75	.....
210	4	Yes..	.....	204.55	313.95	518.50	420.00	.....	30.00	450.00	.....	68.50
211	3	No..	150.00	199.21	189.50	538.71	600.00	.....	40.00	640.00	101.29	.....
212	6	Yes..	.....	211.40	267.45	478.85	760.00	.....	.....	760.00	281.15	.....
213	3	No..	96.00	243.05	237.85	576.90	780.00	.....	.....	780.00	203.10	.....
214	3	No..	42.00	202.10	200.75	444.85	614.68	.....	.....	614.68	169.83	.....
215	3	No..	60.00	125.90	127.60	313.50	492.79	.....	.....	492.79	179.29	.....
216	4	No..	60.00	127.30	297.75	485.05	553.44	.....	.....	553.44	68.39	.....
217	6	No..	60.00	208.20	211.00	479.20	600.00	.....	.....	600.00	120.80	.....
218	5	No..	40.00	133.50	160.80	334.30	340.00	.....	36.00	376.00	41.70	.....
219	6	No..	60.00	236.23	160.00	456.23	350.00	.....	36.00	386.00	.....	70.23
220	5	No..	65.00	181.15	170.00	416.15	375.00	.....	48.00	423.00	6.85	.....
221	2	No..	60.00	192.33	206.10	458.43	360.00	.....	.....	360.00	.....	98.43
222	6	No..	36.00	272.16	212.50	520.66	496.50	.....	.....	496.50	.....	24.16
223	6	No..	60.00	314.60	212.20	586.80	638.29	.....	180.00	818.29	231.49	.....
224	3	No..	72.00	127.90	308.70	508.60	500.00	.....	.....	500.00	.....	8.60
225	4	No..	60.00	216.94	337.60	614.54	556.94	.....	.....	556.94	.....	57.60



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
226	8	No..	\$60.00	\$236.30	\$153.40	\$449.70	\$406.00	.....	.....	\$406.00	.....	\$43.70
227	16	Yes.	.....	855.65	378.00	1,233.65	500.00	.....	\$900.00	1,400.00	\$166.35	.....
228	4	No..	90.00	246.40	161.80	498.20	350.00	.....	.....	350.00	.....	148.20
229	2	No..	48.00	111.34	86.75	246.09	300.00	.....	.....	300.00	53.91	.....
230	4	No..	42.00	234.09	156.00	432.09	180.07	.....	12.00	192.07	.....	240.02
231	3	No..	42.00	265.65	185.90	493.55	461.32	.....	10.00	471.32	.....	22.23
232	7	No..	60.00	129.90	108.00	297.90	275.00	.....	72.00	347.00	49.10	.....
233	7	No..	60.00	334.40	272.40	666.80	420.00	.....	381.00	801.00	134.20	.....
234	12	No..	60.00	153.30	172.00	385.30	290.00	.....	210.00	500.00	114.70	.....
235	10	Yes.	.....	311.35	376.75	688.10	500.00	.....	.....	500.00	.....	188.10
236	4	No..	84.00	216.16	174.60	474.76	330.00	.....	24.00	354.00	.....	120.76
237	7	No..	96.00	173.55	325.50	595.05	570.00	.....	45.00	615.00	19.95	.....
238	5	No..	72.00	210.60	249.50	532.10	440.00	.....	.....	440.00	.....	92.10
239	10	No..	48.00	351.00	351.75	751.35	591.20	\$35.00	.....	626.20	.....	125.15
240	11	No..	42.00	369.57	257.40	668.97	568.39	.....	105.00	673.39	4.42	.....
241	3	No..	48.00	186.80	166.30	401.10	488.86	.....	.....	488.86	87.76	.....
242	10	No..	48.00	352.58	348.00	748.58	771.86	30.00	.....	801.80	53.28	.....
243	5	No..	42.00	267.00	177.90	486.90	515.00	.....	.....	515.00	28.10	.....
244	3	No..	42.00	184.18	228.90	455.08	476.63	.....	.....	476.63	21.55	.....
245	6	No..	42.00	281.97	244.30	568.27	478.00	.....	26.00	498.00	.....	70.27
246	6	No..	36.00	324.85	198.60	559.45	399.25	.....	150.00	549.25	.....	10.20
247	3	No..	36.00	249.95	210.80	496.75	518.25	.....	.....	518.25	21.50	.....
248	10	No..	42.00	394.38	325.10	761.48	524.45	325.00	40.00	859.45	127.97	.....
249	3	No..	42.00	228.15	175.40	445.55	510.00	.....	15.00	525.00	79.45	.....
250	6	No..	42.00	251.85	255.50	549.35	522.14	.....	.....	522.14	.....	27.21
251	5	No..	42.00	232.60	303.50	598.10	547.40	160.00	.....	707.40	109.30	.....
252	3	No..	42.00	184.48	181.25	407.73	430.00	.....	10.00	440.00	32.27	.....
253	6	Yes.	.....	292.15	255.25	547.40	505.35	20.00	48.00	573.35	25.95	.....
254	3	No..	48.00	216.35	249.56	513.91	432.00	.....	.....	432.00	.....	81.91
255	3	No..	42.00	233.36	175.40	450.76	471.86	.....	13.00	484.86	34.10	.....
256	3	No..	42.00	168.10	149.75	359.85	530.25	.....	.....	530.25	170.40	.....
257	6	No..	60.00	265.50	213.50	539.00	511.85	.....	.....	511.85	.....	27.15
258	3	No..	40.00	176.20	160.50	376.70	340.48	.....	.....	340.48	.....	36.22
259	7	No..	84.00	361.35	330.00	775.35	300.00	325.00	168.00	793.00	17.65	.....
260	6	No..	48.00	196.23	143.50	387.73	360.00	.....	144.00	504.00	116.27	.....
261	11	No..	84.00	593.85	552.20	1,230.05	562.18	.....	360.00	922.18	.....	307.87
262	5	No..	36.00	290.60	188.00	514.60	478.45	.....	120.00	598.45	83.85	.....
263	6	No..	42.00	292.50	210.32	544.82	546.00	.....	.....	546.00	1.18	.....
264	3	No..	60.00	225.40	242.20	527.60	589.59	.....	.....	589.59	61.99	.....
265	6	No..	84.00	265.66	384.00	733.66	528.00	400.00	192.00	1,120.00	386.34	.....
266	3	No..	60.00	193.85	144.11	397.96	394.50	.....	.....	394.50	.....	3.46
267	4	No..	72.00	205.65	180.50	458.15	450.00	.....	.....	450.00	.....	8.15
268	5	Yes.	.....	305.23	313.52	618.75	862.50	.....	.....	862.50	243.75	.....
269	6	No..	96.00	328.94	361.70	786.64	518.56	100.00	.....	618.56	.....	168.08
270	7	Yes.	.....	358.01	392.20	750.21	1,105.00	.....	.....	1,105.00	354.79	.....
271	3	No..	60.00	210.90	298.30	569.20	517.68	.....	.....	517.68	.....	51.52
272	6	Yes.	.....	478.34	228.06	706.40	445.91	460.00	.....	845.91	139.51	.....
273	6	Yes.	.....	299.95	320.40	620.35	726.80	.....	.....	726.80	106.45	.....
274	3	Yes.	.....	196.80	157.45	354.25	396.40	.....	.....	396.40	42.15	.....
275	7	Yes.	.....	210.82	271.27	482.09	539.63	.....	.....	539.63	57.54	.....
276	8	Yes.	.....	390.00	449.43	839.43	1,020.50	50.00	.....	1,070.50	231.07	.....
277	6	Yes.	.....	263.33	222.05	485.38	492.20	.....	.....	492.20	6.82	.....
278	2	Yes.	.....	194.54	422.56	617.10	491.90	.....	80.00	574.90	.....	42.20
279	5	No..	72.00	270.59	194.20	536.79	511.83	.....	20.00	531.83	.....	4.96
280	4	Yes.	.....	262.65	183.00	445.65	594.63	.....	.....	594.63	148.98	.....
281	6	No..	72.00	291.77	246.80	610.57	552.10	.....	.....	552.10	.....	58.47
282	3	No..	72.00	152.35	164.20	388.55	323.72	.....	.....	323.72	.....	64.83
283	2	Yes.	.....	167.60	295.40	463.00	720.00	.....	.....	720.00	257.00	.....
284	7	No..	120.00	269.37	281.65	671.02	547.50	.....	360.00	907.50	236.48	.....
285	3	Yes.	.....	190.82	199.75	390.57	400.50	.....	.....	400.50	9.93	.....
286	5	Yes.	.....	206.04	267.57	473.61	500.00	.....	.....	500.00	26.39	.....
287	5	No..	96.00	336.32	265.50	697.82	720.00	.....	.....	720.00	22.18	.....
288	5	No..	36.00	204.00	183.00	423.00	520.50	.....	.....	520.50	97.50	.....
289	2	No..	48.00	106.50	167.00	321.50	340.00	.....	.....	340.00	18.50	.....
290	4	No..	36.00	253.85	301.20	591.05	385.50	180.00	.....	565.50	.....	25.55
291	2	No..	72.00	109.50	143.00	324.50	412.75	.....	.....	412.75	88.25	.....
292	3	No..	60.00	194.50	156.50	411.00	460.00	.....	.....	460.00	49.00	.....
293	6	Yes.	.....	320.50	252.83	573.33	415.60	.....	160.00	575.60	2.27	.....
294	7	Yes.	.....	353.40	296.50	649.90	600.00	100.00	.....	700.00	50.10	.....
295	7	No..	96.00	194.40	198.00	488.40	435.40	.....	.....	435.40	.....	53.00
296	6	No..	48.00	176.00	171.90	395.90	421.65	.....	.....	421.65	25.75	.....
297	5	No..	84.00	190.57	175.74	450.31	388.45	.....	.....	388.45	.....	61.86
298	6	No..	60.00	333.60	253.37	646.97	575.00	.....	.....	575.00	.....	71.97
299	2	No..	60.00	201.27	178.36	439.63	538.15	.....	.....	538.15	98.52	.....
300	4	Yes.	.....	182.81	223.80	406.61	350.00	.....	192.00	542.00	135.39	.....

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
301	3	No..	\$60.00	\$142.12	\$243.20	\$445.32	\$405.00	.....	.....	\$405.00	.....	\$40.32
302	3	No..	72.00	133.54	151.20	356.74	360.00	.....	.....	360.00	\$3.26	.....
303	6	No..	72.00	204.32	277.00	553.32	402.00	.....	.....	462.00	.....	91.32
304	9	No..	84.00	261.78	186.70	532.48	450.00	\$150.00	\$125.90	725.90	193.42	.....
305	7	No..	84.00	262.30	272.00	618.30	382.50	300.00	100.00	782.50	164.20	.....
306	5	Yes.	.....	155.51	228.85	384.36	480.00	.....	.....	480.00	95.64	.....
307	5	Yes.	.....	175.65	190.25	365.90	468.00	.....	.....	468.00	102.10	.....
308	5	No..	84.00	204.80	259.55	548.35	594.00	.....	90.00	690.00	141.65	.....
309	5	Yes.	.....	283.90	266.38	550.28	450.75	.....	66.00	516.75	.....	33.53
310	2	Yes.	.....	167.74	174.53	342.27	472.05	.....	.....	472.05	129.78	.....
311	7	Yes.	.....	130.45	305.93	436.38	421.15	.....	50.00	471.15	34.77	.....
312	6	Yes.	.....	208.70	233.95	442.65	448.11	.....	.....	448.11	5.46	.....
313	6	Yes.	.....	201.80	248.63	450.43	553.59	.....	.....	553.59	103.16	.....
314	7	No..	72.00	282.00	251.70	605.70	531.57	.....	65.00	596.57	.....	9.13
315	3	Yes.	.....	173.55	238.40	411.95	625.50	.....	.....	625.50	213.55	.....
316	4	Yes.	.....	161.90	295.03	456.93	451.23	.....	.....	451.23	.....	5.70
317	5	Yes.	.....	199.85	283.92	483.77	600.00	50.00	.....	650.00	166.23	.....
318	5	Yes.	.....	191.00	323.10	514.10	646.20	.....	.....	646.20	132.10	.....
319	5	Yes.	.....	302.75	394.70	697.45	720.50	.....	.....	720.50	23.05	.....
320	3	Yes.	.....	158.30	222.50	380.80	411.73	.....	48.00	459.73	78.93	.....
321	3	Yes.	.....	118.35	263.26	381.61	420.00	.....	.....	420.00	38.39	.....
322	4	Yes.	.....	245.40	312.30	557.70	584.80	.....	.....	584.80	27.10	.....
323	6	Yes.	.....	210.85	264.00	474.85	446.42	.....	100.00	546.42	71.57	.....
324	6	Yes.	.....	107.23	143.16	250.39	446.25	.....	18.00	464.25	213.86	.....
325	6	Yes.	.....	239.07	373.58	612.65	766.10	.....	.....	766.10	153.45	.....
326	6	Yes.	.....	226.05	341.78	567.83	541.65	100.00	.....	641.65	73.82	.....
327	5	Yes.	.....	223.06	259.60	482.66	578.30	.....	.....	578.30	95.64	.....
328	6	Yes.	.....	231.28	300.51	531.79	523.70	50.00	.....	573.70	41.91	.....
329	2	No..	72.00	177.24	186.50	435.74	425.70	.....	.....	425.70	.....	10.04
330	5	Yes.	.....	185.69	298.08	483.77	596.10	.....	.....	596.10	112.33	.....
331	6	Yes.	.....	250.59	392.63	643.22	507.55	.....	.....	507.55	.....	135.67
332	7	Yes.	.....	257.20	226.57	483.77	483.75	.....	.....	483.75	.....	.02
333	2	Yes.	.....	159.73	243.60	403.33	378.80	.....	.....	378.80	.....	24.53
334	6	Yes.	.....	261.17	417.00	678.17	633.25	.....	.....	633.25	.....	44.92
335	6	Yes.	.....	311.85	293.23	605.08	501.80	240.00	.....	741.80	136.72	.....
336	9	Yes.	.....	288.50	416.75	705.25	572.25	125.00	.....	697.25	.....	8.00
337	7	Yes.	.....	289.32	287.95	577.27	511.95	50.00	.....	561.95	.....	15.32
338	6	Yes.	.....	393.55	348.65	742.20	514.80	450.00	.....	964.80	222.60	.....
339	7	Yes.	.....	272.87	255.43	528.30	538.95	.....	.....	538.95	10.65	.....
340	7	Yes.	.....	225.91	298.98	524.89	400.00	.....	150.00	550.00	25.11	.....
341	3	Yes.	.....	138.42	146.50	284.92	638.75	.....	.....	638.75	353.83	.....
342	4	Yes.	.....	183.98	185.51	369.49	730.00	.....	.....	730.00	360.51	.....
343	4	Yes.	.....	144.78	331.20	475.98	638.75	.....	72.00	710.75	234.77	.....
344	5	No..	60.00	156.70	160.40	377.10	547.50	.....	.....	547.50	170.40	.....
345	6	Yes.	.....	165.37	212.45	377.82	638.75	.....	.....	638.75	260.93	.....
346	7	Yes.	.....	263.75	300.60	564.35	525.00	.....	336.00	861.00	296.65	.....
347	7	No..	84.00	275.40	200.95	560.35	495.07	.....	.....	495.07	.....	65.28
348	3	Yes.	.....	223.22	231.70	454.92	458.75	.....	.....	458.75	3.83	.....
349	4	Yes.	.....	257.68	162.20	419.88	496.18	.....	.....	496.18	76.30	.....
350	2	No..	72.00	199.58	205.75	477.33	545.30	.....	.....	545.30	67.97	.....
351	6	Yes.	.....	272.94	188.40	461.34	466.15	.....	.....	466.15	4.81	.....
352	7	Yes.	.....	375.30	299.74	675.04	448.75	263.00	.....	716.75	41.71	.....
353	6	No..	72.00	339.25	274.10	685.35	400.00	120.00	.....	520.00	.....	165.35
354	6	No..	72.00	261.20	201.64	534.84	516.80	.....	.....	516.80	.....	18.04
355	6	Yes.	.....	243.80	274.00	517.80	542.50	.....	.....	542.50	24.70	.....
356	6	Yes.	.....	278.60	332.58	611.27	813.35	.....	.....	813.35	202.08	.....
357	3	Yes.	.....	217.77	323.77	541.54	595.75	.....	.....	595.75	54.21	.....
358	7	Yes.	.....	304.37	391.05	695.42	706.00	.....	.....	706.00	10.58	.....
359	10	Yes.	.....	344.37	491.02	835.39	500.20	250.00	144.00	894.20	58.81	.....
360	3	No..	48.00	157.62	233.02	438.64	533.50	.....	.....	533.50	94.86	.....
361	10	No..	60.00	287.70	234.30	582.00	454.05	.....	.....	454.05	.....	127.95
362	6	No..	60.00	257.43	261.03	579.06	505.40	.....	.....	505.40	.....	73.66
363	3	No..	96.00	219.03	240.78	555.81	720.00	.....	.....	720.00	164.19	.....
364	5	No..	60.00	152.00	112.41	324.41	325.00	.....	.....	325.00	.....	.....
365	7	No..	96.00	284.85	352.90	733.75	735.00	.....	.....	735.00	1.25	.....
366	5	No..	72.00	231.75	201.16	504.91	520.00	.....	.....	520.00	15.09	.....
367	6	No..	90.00	233.22	256.01	585.23	600.00	.....	.....	600.00	14.77	.....
368	6	Yes.	.....	104.40	152.11	256.51	200.00	.....	132.00	332.00	75.49	.....
369	6	No..	54.00	269.67	278.28	601.95	566.00	.....	.....	566.00	.....	35.95
370	4	No..	84.00	253.45	271.91	609.36	620.00	.....	.....	620.00	10.64	.....
371	4	No..	72.00	239.27	283.23	594.50	600.00	.....	.....	600.00	5.50	.....
372	6	No..	60.00	312.93	365.46	738.39	775.00	.....	8.00	783.00	44.61	.....
373	5	No..	60.00	296.18	296.00	652.78	690.00	.....	12.78	702.78	50.00	.....
374	4	No..	60.00	157.75	215.83	433.58	435.00	.....	.....	435.00	1.42	.....
375	3	No..	48.00	105.00	154.66	307.66	180.00	.....	.....	180.00	.....	127.66



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud. got num-ber.	Num-ber in fam-ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur-poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
376	2	Yes	.....	\$127.00	\$453.69	\$580.69	\$618.00	.....	.....	\$618.00	\$37.31	.....
377	7	No.	\$43.00	348.50	181.80	578.30	612.00	.....	.....	612.00	33.70	.....
378	5	No.	72.00	231.75	228.91	532.66	438.00	.....	.....	438.00	.....	\$94.66
379	5	No.	72.00	180.50	144.81	397.31	401.50	.....	.....	401.50	4.19	.....
380	3	No.	84.00	190.45	289.07	563.52	750.00	.....	.....	750.00	186.48	.....
381	4	No.	60.00	198.03	211.74	469.77	512.00	.....	.....	512.00	42.23	.....
382	2	No.	48.00	140.70	158.71	347.41	480.00	.....	.....	480.00	132.59	.....
383	6	No.	110.60	298.66	268.50	677.16	910.00	.....	.....	910.00	232.84	.....
384	6	No.	96.00	261.97	235.50	593.47	530.40	.....	.....	530.40	.....	63.07
385	3	Yes	.....	300.39	314.00	614.39	702.00	.....	.....	702.00	87.61	.....
386	5	No.	84.00	209.90	168.50	462.40	440.00	.....	.....	440.00	.....	22.40
387	2	No.	75.00	204.97	179.25	459.22	520.00	.....	.....	520.00	60.78	.....
388	6	No.	96.00	298.13	175.00	569.13	530.40	.....	.....	530.40	.....	38.73
389	6	No.	120.00	354.61	219.75	694.36	770.50	.....	.....	770.50	76.14	.....
390	5	No.	84.00	209.73	153.80	447.53	509.00	.....	.....	509.00	61.47	.....
391	4	No.	90.00	240.56	182.50	513.06	442.00	.....	.....	442.00	.....	71.06
392	1	No.	70.00	249.78	195.50	515.28	606.90	.....	.....	606.90	91.62	.....
393	7	No.	95.00	257.23	200.75	552.98	484.50	.....	\$100.00	584.50	31.52	.....
394	4	No.	56.00	234.61	162.50	453.11	472.00	.....	.....	472.00	18.89	.....
395	10	No.	96.00	553.70	317.62	967.32	574.00	.....	432.00	1,006.00	38.68	.....
396	6	No.	48.00	259.40	269.55	576.95	605.00	.....	.....	605.00	28.05	.....
397	7	No.	42.00	207.10	141.55	390.65	290.00	.....	70.00	360.00	.....	30.65
398	6	No.	48.00	248.85	184.25	481.10	519.75	.....	.....	519.75	38.65	.....
399	7	No.	48.00	323.03	285.95	717.00	584.25	.....	85.00	669.25	.....	47.75
400	3	No.	36.00	100.20	287.00	483.20	519.00	.....	.....	519.00	35.80	.....
401	6	No.	72.00	300.95	273.52	646.47	541.50	.....	60.00	601.50	.....	44.97
402	5	No.	48.00	187.80	203.75	439.55	440.95	.....	.....	440.95	1.40	.....
403	2	No.	80.00	178.40	294.85	553.25	895.00	.....	.....	895.00	341.75	.....
404	6	No.	96.00	305.00	407.20	808.20	210.60	\$544.50	120.00	875.10	66.90	.....
405	5	No.	48.00	227.10	288.85	563.95	532.10	.....	18.65	550.75	.....	13.20
406	9	No.	48.00	258.70	221.41	528.11	512.50	.....	.....	512.50	.....	15.61
407	2	No.	50.00	200.65	173.85	424.50	544.50	.....	.....	544.50	120.00	.....
408	5	No.	48.00	336.85	261.65	646.50	720.00	.....	.....	720.00	73.50	.....
409	4	No.	49.20	200.45	176.73	426.38	429.50	.....	.....	429.50	3.12	.....
410	5	No.	48.00	203.27	337.01	588.88	627.00	.....	.....	627.00	38.12	.....
411	5	Yes	.....	324.20	252.05	576.25	837.50	.....	.....	837.50	261.25	.....
412	4	No.	48.00	267.00	182.90	497.90	445.50	.....	75.00	520.50	22.60	.....
413	4	No.	72.00	262.75	152.55	487.30	517.00	.....	.....	517.00	29.70	.....
414	4	No.	200.00	223.40	188.50	611.90	610.00	.....	.....	610.00	.....	1.90
415	3	No.	60.00	216.90	273.50	550.40	580.00	.....	.....	580.00	29.60	.....
416	4	Yes	.....	234.95	256.80	491.75	724.00	.....	.....	724.00	232.25	.....
417	4	Yes	.....	273.30	393.95	667.25	693.00	.....	.....	693.00	25.75	.....
418	10	No.	30.00	369.75	161.95	561.70	563.00	.....	.....	563.00	1.30	.....
419	7	No.	42.00	257.90	161.55	461.45	460.25	.....	7.00	467.25	5.80	.....
420	4	No.	48.00	114.20	195.45	357.65	340.00	.....	.....	340.00	.....	17.65
421	5	No.	72.00	211.80	214.80	498.60	524.75	.....	.....	524.75	26.15	.....
422	4	No.	72.00	238.25	113.65	423.90	425.25	.....	20.00	445.25	21.35	.....
423	5	No.	55.00	254.12	198.50	507.62	491.00	.....	.....	491.00	.....	16.62
424	4	No.	60.00	236.52	175.75	472.27	513.00	.....	.....	513.00	40.73	.....
425	2	No.	62.00	229.51	110.50	402.01	431.00	.....	.....	431.00	28.99	.....
426	4	No.	70.00	250.52	143.00	463.52	510.00	.....	.....	510.00	46.48	.....
427	5	No.	50.00	226.69	138.00	414.69	426.60	.....	.....	426.60	11.31	.....
428	6	No.	60.00	269.35	103.00	492.35	540.00	.....	.....	540.00	47.65	.....
429	2	No.	56.50	218.97	145.00	420.47	410.15	.....	.....	410.15	.....	10.32
430	3	No.	50.00	223.98	132.50	406.48	512.00	.....	.....	512.00	105.52	.....
431	2	No.	48.00	240.72	119.50	408.22	510.50	.....	.....	510.50	102.28	.....
432	3	No.	50.00	230.22	142.50	422.72	421.00	.....	.....	421.00	.....	1.72
433	4	No.	58.00	220.24	156.50	434.74	551.00	.....	.....	551.00	116.26	.....
434	2	No.	62.50	229.74	139.50	431.74	525.00	.....	.....	525.00	93.26	.....
435	7	No.	90.00	314.65	214.00	618.05	618.00	.....	.....	618.00	.....	.65
436	3	No.	50.00	243.82	147.00	440.82	441.50	.....	.....	441.50	.68	.....
437	6	No.	24.00	288.15	179.60	491.75	490.00	.....	.....	490.00	.....	1.75
438	3	No.	24.00	189.55	227.50	441.05	444.00	.....	.....	444.00	2.95	.....
439	6	No.	57.00	209.55	189.35	455.90	495.00	.....	.....	495.00	39.10	.....
440	6	Yes	.....	278.50	142.10	420.60	509.20	.....	.....	509.20	148.60	.....
441	5	No.	84.00	207.70	217.42	509.12	445.50	.....	60.00	505.50	.....	3.62
442	5	No.	36.00	194.20	154.60	384.80	283.50	.....	50.00	333.50	.....	51.30
443	6	No.	36.00	294.30	274.21	604.51	549.50	.....	60.00	609.50	4.99	.....
444	5	Yes	.....	243.63	318.40	567.05	584.00	.....	150.00	734.00	166.95	.....
445	9	Yes	.....	301.70	463.30	765.00	670.80	252.00	200.00	1,122.80	357.80	.....
446	4	No.	60.00	179.85	224.02	464.47	499.00	.....	.....	499.00	34.53	.....
447	4	No.	60.00	213.55	145.91	419.46	469.45	.....	.....	469.45	49.99	.....
448	4	Yes	.....	178.00	161.50	339.50	715.00	.....	.....	715.00	375.50	.....
449	7	No.	36.00	311.70	313.55	661.25	461.25	.....	200.00	661.25	.....	.....
450	2	No.	36.00	154.47	109.15	299.62	585.75	.....	.....	585.75	286.13	.....



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
451	8	No.	\$42.00	\$223.90	\$178.30	\$444.20	\$470.25			\$470.25	\$26.05	
452	7	No.	60.00	274.15	352.55	686.70	495.00		\$154.00	649.00		\$37.70
453	3	Yes.		228.30	224.54	452.84	610.00			610.00	157.16	
454	5	No.	96.00	138.75	205.74	440.49	396.00		44.00	440.00		.49
455	5	No.	60.00	247.70	180.55	488.25	463.25		30.00	493.25	5.00	
456	6	No.	84.00	224.50	457.80	766.30	607.50		80.00	687.50		78.80
457	5	Yes.		243.05	633.70	881.75	930.50	\$504.00		1,434.50	552.75	
458	5	No.	60.00	234.85	225.50	520.35	498.00		24.50	522.50	2.15	
459	4	No.	84.00	211.30	232.15	527.45	473.25			473.25		54.20
460	5	Yes.		340.65	417.40	758.05	600.00		360.00	960.00	201.95	
461	3	Yes.		262.30	167.45	429.75	534.50			534.50	104.75	
462	3	No.	72.00	167.50	203.65	443.15	470.75		20.00	490.75	47.60	
463	6	No.	60.00	223.05	287.98	571.03	544.50		64.00	608.50	37.47	
464	6	No.	66.00	248.70	131.10	445.80	387.90		18.00	405.90		39.90
465	4	Yes.		278.55	204.25	482.80	594.00		300.00	894.00	411.20	
466	4	No.	40.00	274.15	321.45	635.60	757.50			757.50	121.90	
467	7	No.	60.00	523.50	415.60	999.10	148.50	870.40		1,018.90	19.80	
468	5	No.	72.00	188.30	207.15	467.45	445.10			445.10		22.35
469	5	No.	60.00	229.40	211.20	500.60	483.00			483.00		17.60
470	4	No.	84.00	144.80	154.50	383.30	467.50			467.50	84.20	
471	4	No.	60.00	190.95	132.00	382.95	385.00			385.00	2.05	
472	6	No.	60.00	301.50	209.55	571.05	574.50			574.50	3.45	
473	8	No.	63.00	246.80	275.80	585.60	184.90	365.60	20.00	570.50		15.10
474	4	No.	66.00	219.60	210.77	496.37	511.00			511.00	14.63	
475	7	No.	60.00	423.60	336.90	820.50	400.95	182.50	250.00	833.45	12.95	
476	5	No.	96.00	189.60	183.21	468.81	492.30			492.30	23.49	
477	3	No.	96.00	248.00	263.60	607.60	695.00		30.00	725.00	117.40	
478	5	No.	96.00	413.20	599.90	1,109.10	660.00	473.85		1,133.85	24.75	
479	6	Yes.		200.95	329.47	530.42	577.50		56.00	633.50	103.08	
480	7	No.	72.00	211.25	330.50	613.75	586.00		190.00	776.00	162.25	
481	5	Yes.		220.56	403.50	624.06	581.50			581.50		42.56
482	2	No.	40.00	203.70	288.84	532.54	546.00			546.00	13.46	
483	5	No.	50.00	222.20	149.25	421.45	452.00			452.00	30.55	
484	4	No.	48.00	233.05	205.25	486.30	539.50			539.50	53.20	
485	4	Yes.		139.50	335.75	475.25	488.00		65.00	553.00	77.75	
486	3	No.	54.00	206.65	292.61	553.16	582.00			582.00	28.84	
487	11	No.	132.00	537.45	866.00	1,535.45	544.50	519.75	640.00	1,704.25	168.80	
488	2	No.	78.00	166.00	258.61	502.61	544.50			544.50	41.89	
489	4	No.	72.00	286.60	361.81	720.41	544.50		216.00	760.50	40.09	
490	4	Yes.		194.00	333.50	527.50	726.50			726.50	199.00	
491	6	Yes.		174.65	216.05	390.70	627.00			627.00	236.30	
492	5	No.	48.00	351.65	454.20	853.85	400.95	294.05	386.00	1,081.00	227.15	
493	11	Yes.		242.85	241.25	484.10	255.15	168.00		423.15		60.95
494	5	No.	84.00	207.50	251.67	543.07	438.00		90.00	528.00		15.07
495	5	Yes.		194.10	217.25	411.35	368.45		60.00	428.45	17.10	
496	10	No.	72.00	313.40	224.30	609.70	364.50		216.00	580.50		29.20
497	4	No.	54.00	280.70	154.46	489.16	449.00		96.00	545.00	55.84	
498	5	No.	96.00	221.30	192.50	509.80	175.00		185.00	360.00		149.80
499	7	Yes.		343.10	500.20	843.30	810.00			810.00		33.30
500	6	No.	60.00	338.40	251.61	649.91	566.00	100.00		666.00	16.09	
501	7	No.	54.00	293.20	198.40	545.60	365.00		59.00	424.00		121.60
502	5	No.	48.00	188.90	193.40	430.30	366.45		32.00	398.45		31.85
503	4	No.	58.00	243.50	232.81	534.31	551.00			551.00	16.69	
504	5	Yes.		496.85	313.05	809.90	396.00	145.00	400.00	941.00	131.10	
505	9	Yes.		442.75	287.70	730.45	330.95		480.00	810.95	80.50	
506	5	No.	66.00	232.40	172.46	470.86	480.00			480.00	9.14	
507	10	Yes.		187.25	184.80	372.05	566.00			566.00	193.95	
508	6	Yes.		320.85	473.30	794.15	460.00	440.00	24.00	924.00	129.85	
509	5	Yes.		251.40	369.10	620.50	540.00		84.00	624.00	3.50	
510	3	No.	40.00	284.35	271.71	596.06	553.00		58.00	611.00	14.94	
511	5	Yes.		218.50	304.80	523.30	609.00			609.00	85.70	
512	5	Yes.		212.15	462.35	674.50	750.00		96.00	846.00	171.50	
513	5	No.	60.00	224.25	219.45	503.70	565.00			565.00	61.30	
514	4	Yes.		145.80	157.40	303.20	551.00			551.00	247.80	
515	5	No.	48.00	215.80	217.71	481.51	534.50			534.50	52.99	
516	5	Yes.		282.05	279.20	561.25	574.00			574.00	12.75	
517	5	No.	60.00	170.75	233.55	464.30	549.00		30.00	579.00	114.70	
518	6	Yes.		258.30	360.85	619.15	564.00			564.00		55.15
519	6	Yes.		282.80	268.02	550.82	519.00			519.00	28.18	
520	3	No.	60.00	165.40	249.24	494.64	522.00		18.00	540.00	45.36	
521	7	Yes.		229.10	170.30	399.40	454.00		60.00	514.00	114.60	
522	6	Yes.		253.20	285.30	538.50	436.00			436.00		102.50
523	8	No.	78.00	436.65	219.10	733.75	433.00	12.00	297.00	742.00	8.25	
524	2	Yes.		123.40	148.50	271.90	301.20			301.20	29.30	
525	4	No.	66.00	164.00	249.85	479.85	535.80			535.80	55.95	

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hns- band.	Wife and chil- dren.	All other sources.	Total.		
526	2	Yes.	.....	\$143.85	\$272.00	\$415.85	\$517.00	.....	\$32.00	\$549.00	\$133.15	.....
527	6	No.	\$75.00	271.45	273.61	620.06	665.00	.....	.....	665.00	44.94	.....
528	6	Yes.	.....	228.15	438.00	666.15	730.00	.....	.....	730.00	63.85	.....
529	3	Yes.	.....	91.00	216.30	307.30	456.00	.....	.....	456.00	148.70	.....
530	4	No.	30.00	166.60	228.01	424.61	492.00	.....	25.00	517.00	92.39	.....
531	3	No.	35.00	234.40	165.35	434.75	474.75	.....	48.00	522.75	88.00	.....
532	3	Yes.	.....	120.75	342.99	464.74	828.00	.....	20.00	848.00	383.26	.....
533	5	No.	72.00	196.20	342.30	610.50	360.00	\$150.00	48.00	558.00	.....	\$52.50
534	7	No.	60.00	147.05	224.20	431.25	563.00	.....	.....	563.00	131.75	.....
535	5	No.	96.00	295.60	187.30	578.90	525.00	.....	.....	525.00	.....	53.90
536	6	No.	48.00	258.50	353.36	659.86	680.00	.....	.....	680.00	.....	59.86
537	6	No.	48.00	227.95	181.75	457.70	478.00	.....	.....	478.00	20.30	.....
538	9	No.	60.00	275.05	141.63	478.68	427.40	.....	21.00	448.40	.....	28.28
539	8	No.	60.00	247.25	292.06	599.31	374.00	.....	150.00	524.00	.....	75.31
540	5	No.	33.00	293.37	195.45	521.82	535.00	.....	.....	535.00	13.18	.....
541	5	No.	50.00	237.00	183.05	470.05	449.00	.....	32.00	481.00	10.95	.....
542	3	No.	30.00	163.15	156.85	350.00	415.70	.....	.....	415.70	65.70	.....
543	3	No.	54.50	189.80	209.45	453.75	415.00	.....	.....	415.00	.....	38.75
544	6	Yes.	.....	363.20	734.92	1,098.12	1,500.00	.....	.....	1,500.00	401.88	.....
545	3	No.	60.00	215.00	247.90	522.90	534.00	.....	.....	534.00	11.10	.....
546	5	No.	112.00	263.30	344.07	719.37	524.50	.....	345.00	869.50	150.13	.....
547	3	Yes.	.....	177.35	199.12	376.47	515.00	.....	.....	515.00	138.53	.....
548	7	No.	60.00	501.15	292.80	853.95	424.00	.....	600.00	1,024.00	170.05	.....
549	7	Yes.	.....	341.10	515.22	856.32	560.00	610.00	.....	1,200.00	343.68	.....
550	6	No.	48.00	341.70	432.96	822.66	637.00	324.00	.....	961.00	138.34	.....
551	8	No.	57.00	222.20	343.50	622.70	415.50	.....	.....	415.50	.....	207.20
552	5	Yes.	.....	294.17	326.82	620.99	810.32	.....	.....	810.32	189.33	.....
553	4	No.	84.00	251.60	178.63	514.23	413.80	.....	110.00	523.80	9.57	.....
554	7	No.	96.00	319.95	275.60	691.55	413.60	140.00	232.00	785.60	94.05	.....
555	6	Yes.	.....	312.45	313.95	626.40	720.00	.....	50.00	770.00	143.60	.....
556	3	Yes.	.....	114.90	200.51	315.41	386.00	.....	.....	386.00	70.59	.....
557	2	Yes.	.....	63.15	173.35	238.50	350.00	.....	.....	350.00	111.50	.....
558	5	Yes.	.....	193.60	620.73	814.33	870.00	.....	121.00	991.00	176.67	.....
559	4	No.	28.50	210.80	248.11	487.41	570.00	.....	.....	570.00	82.59	.....
560	9	No.	70.00	470.15	307.07	937.22	405.80	540.00	.....	945.80	8.58	.....
561	6	No.	60.00	470.05	385.75	915.80	700.00	.....	324.00	1,024.00	108.20	.....
562	5	No.	60.00	259.00	273.85	592.85	600.00	.....	.....	600.00	7.15	.....
563	8	Yes.	.....	362.25	462.40	824.65	550.00	450.00	.....	1,000.00	175.35	.....
564	6	No.	75.00	260.91	199.75	535.66	530.40	.....	.....	530.40	.....	5.26
565	3	No.	48.00	184.80	172.45	405.25	513.00	.....	.....	513.00	107.75	.....
566	5	No.	52.50	280.00	175.37	517.87	431.00	.....	75.00	506.00	.....	11.87
567	3	No.	48.00	269.20	403.46	720.66	465.75	405.00	.....	870.75	150.09	.....
568	6	No.	48.00	246.05	215.60	509.65	537.75	.....	.....	537.75	28.10	.....
569	7	Yes.	.....	246.15	709.49	955.65	569.25	.....	445.00	1,014.25	58.70	.....
570	9	Yes.	.....	304.55	551.00	855.55	182.00	625.35	24.00	831.35	.....	24.20
571	6	Yes.	.....	350.55	567.87	918.42	670.00	250.00	.....	920.00	1.58	.....
572	2	No.	62.50	216.51	116.50	395.51	410.15	.....	.....	410.15	14.64	.....
573	4	No.	48.00	156.00	277.66	481.66	636.75	.....	.....	636.75	155.09	.....
574	4	No.	24.00	210.40	124.95	359.35	323.75	.....	.....	323.75	.....	35.60
575	6	Yes.	.....	141.80	218.15	362.95	404.50	.....	7.00	411.50	48.55	.....
576	5	Yes.	.....	146.55	627.15	773.70	666.25	.....	370.00	1,036.25	262.55	.....
577	11	No.	60.00	353.05	355.10	768.15	396.25	293.00	.....	689.25	.....	78.90
578	5	No.	84.00	295.50	348.10	727.60	347.16	218.70	180.00	745.86	18.20	.....
579	9	No.	60.00	234.40	102.15	396.55	386.10	.....	.....	386.10	.....	10.45
580	6	No.	72.00	236.65	170.07	478.72	479.50	.....	.....	479.50	.....	78
581	8	Yes.	.....	251.60	320.30	571.90	584.00	.....	.....	584.00	12.10	.....
582	2	No.	60.00	207.20	166.81	434.01	471.00	.....	.....	471.00	36.99	.....
583	3	Yes.	.....	163.55	422.90	586.45	340.80	.....	.....	340.80	.....	245.65
584	10	Yes.	.....	268.20	303.90	572.10	539.50	.....	.....	539.50	.....	32.60
585	8	No.	72.00	430.10	403.04	905.14	520.00	300.00	408.00	1,228.00	322.86	.....
586	4	No.	96.00	287.60	353.30	736.90	600.00	.....	136.00	736.00	.....	90
587	5	Yes.	.....	233.00	303.00	536.00	602.00	.....	.....	602.00	60.00	.....
588	6	Yes.	.....	356.00	335.75	691.75	728.00	.....	.....	728.00	36.25	.....
589	5	Yes.	.....	262.00	422.91	684.91	900.00	.....	156.00	1,056.00	371.09	.....
590	4	No.	120.00	172.50	293.70	586.20	600.00	.....	.....	600.00	13.80	.....
591	6	No.	110.00	112.25	120.41	342.66	315.00	.....	.....	315.00	.....	27.60
592	8	No.	Free.	287.37	360.19	647.56	656.00	.....	.....	656.00	8.44	.....
593	4	No.	150.00	185.25	147.00	482.25	675.00	.....	.....	675.00	192.75	.....
594	10	Yes.	.....	201.25	293.71	494.96	341.40	.....	10.00	351.40	.....	143.56
595	3	Yes.	.....	105.29	175.51	280.80	546.35	.....	.....	546.35	265.55	.....
596	7	No.	42.00	125.65	194.45	362.10	368.55	.....	.....	368.55	6.45	.....
597	4	Yes.	.....	212.50	286.35	528.85	594.00	.....	60.00	654.00	125.15	.....
598	5	Yes.	.....	157.15	209.55	366.70	564.00	.....	.....	564.00	197.30	.....
599	7	Yes.	.....	223.80	195.05	418.85	512.50	.....	.....	512.50	93.65	.....
600	8	No.	96.00	266.92	704.39	1,067.31	715.00	.....	38.50	753.50	.....	313.81



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Budget number.	Number in family.	Own house	Expenditure for—				Income from—				Surplus.	Deficit.
			Rent.	Food.	All other purposes.	Total.	Husband.	Wife and children.	All other sources.	Total.		
601	3	No.	\$48.00	\$194.75	\$166.84	\$409.59	\$420.00			\$420.00	\$10.41	
602	7	No.	95.00	317.40	157.70	571.10	570.00			570.00		\$1.10
603	8	No.	78.00	329.62	315.76	723.38	620.50		\$50.00	670.50		52.88
604	4	No.	96.00	252.70	205.80	554.50	686.40			686.40	131.90	
605	3	No.	96.00	229.42	164.30	489.72	509.00			509.00	19.28	
606	2	No.	78.00	210.43	141.00	429.43	468.00			468.00	38.57	
607	5	No.	84.00	225.86	208.10	517.96	465.60			465.60		52.36
608	7	No.	90.00	247.42	191.25	528.67	546.00			546.00	17.33	
609	3	No.	72.00	194.72	173.25	439.97	468.00			468.00	28.03	
610	5	No.	60.00	274.54	174.00	508.54	509.60			509.60	1.06	
611	4	No.	84.00	236.05	357.16	677.21	705.00			705.00	27.79	
612	6	Yes.		200.35	239.23	439.64	364.50			364.50		75.14
613	8	Yes.		322.75	439.00	761.75	560.00	\$119.20	56.00	735.20		26.55
614	8	Yes.		433.10	458.32	891.42	544.50		355.00	899.50	8.08	
615	6	Yes.		355.25	291.38	646.63	540.00		384.00	924.00	277.37	
616	5	Yes.		245.24	328.21	573.45	529.50			529.50		43.95
617	7	No.	60.00	409.15	276.30	745.45	505.00	245.00		750.00	4.55	
618	10	Yes.		489.30	554.16	1,043.46	625.00	390.00		1,005.00		33.46
619	5	No.	60.00	326.10	255.40	641.50	620.00		200.00	820.00	178.50	
620	3	No.	60.00	181.30	134.20	375.50	434.00			434.00	58.50	
621	10	No.	30.00	210.60	245.57	486.17	419.40		18.00	437.40		48.77
622	2	No.	48.00	187.04	165.80	400.84	397.50			397.50		3.34
623	2	Yes.		185.80	125.45	311.25	283.50			283.50		27.75
624	3	No.	72.00	240.92	131.50	444.42	520.40			520.40	75.98	
625	3	No.	50.00	208.23	128.00	386.23	416.70			416.70	30.47	
626	4	No.	24.00	200.60	225.00	449.60	422.60	225.00	30.00	677.60	228.00	
627	10	No.	36.00	716.80	277.62	1,030.42	337.50		975.00	1,312.50	282.08	
628	3	Yes.		228.80	388.02	616.82	362.44		262.00	624.44	7.62	
629	5	No.	18.00	181.70	232.35	432.05	380.50			380.50		51.55
630	3	No.	24.00	216.81	276.05	516.86	434.00			434.00		82.86
631	4	No.	64.00	184.90	139.00	387.90	403.20			403.20	15.30	
632	7	No.	24.00	299.10	351.50	674.60	230.00	466.00		696.00	21.40	
633	4	No.	24.00	240.60	266.91	531.51	446.00		80.00	526.00		5.51
634	7	Yes.		426.20	467.90	894.10	590.05	319.05		909.10	15.00	
635	5	No.	36.00	280.80	258.70	575.50	519.75			519.75		55.75
636	11	Yes.		402.25	325.60	727.85	544.50		408.00	952.50	224.65	
637	8	Yes.		442.80	734.25	1,177.05	786.50	328.00	130.00	1,244.50	117.45	
638	5	No.	60.00	223.70	337.30	621.00	564.50			564.50		56.50
639	5	No.	60.00	334.45	353.50	747.95	544.50	364.50		909.00	161.05	
640	3	No.	60.00	189.50	243.80	493.30	509.75			509.75	16.45	
641	5	No.	60.00	215.90	195.70	471.60	430.75	84.50	7.00	522.25	50.65	
642	4	No.	72.00	224.60	198.50	495.10	600.00		126.00	726.00	230.90	
643	3	No.	60.00	267.70	233.50	561.20	450.50		40.50	491.00		70.20
644	2	No.	52.00	187.00	283.45	522.45	481.50			481.50		40.95
645	10	No.	60.00	450.75	622.60	1,133.35	345.75	399.00		1,184.75	51.40	
646	8	Yes.		236.25	424.72	660.97	378.50	117.50	142.00	638.00		22.97
647	6	No.	60.00	349.75	562.50	972.25	570.00	504.50	100.00	1,174.50	202.25	
648	6	Yes.		260.55	205.12	465.67	574.00			574.00	108.33	
649	6	Yes.		204.45	318.32	522.77	474.00			474.00		48.77
650	5	No.	48.00	266.30	256.90	571.20	396.00			396.00		175.20
651	7	Yes.		287.35	463.00	750.35	565.00	212.40		777.40	27.05	
652	9	No.	60.00	305.15	223.41	588.56	415.00		170.00	585.00		3.56
653	6	No.	42.00	224.20	222.30	488.50	495.00		50.00	545.00	56.50	
654	10	Yes.		378.00	592.80	970.80	569.25	218.70	230.00	1,017.95	47.15	
655	13	Yes.		552.25	763.00	1,315.25	594.00		892.00	1,486.00	170.75	
656	2	No.	84.00	250.10	320.43	654.53	755.00			755.00	100.47	
657	8	Yes.		266.95	422.05	688.95	785.00		30.00	815.00	126.05	
658	8	Yes.		184.85	232.93	417.78	351.00		75.00	426.00	8.22	
659	7	No.	60.00	202.15	174.05	436.20	340.20			340.20		96.00
660	10	No.	96.00	284.45	434.10	814.55	355.00		385.00	740.00		74.55
661	5	No.	54.00	277.20	226.35	557.55	586.00			586.00	28.45	
662	3	Yes.		231.95	169.50	401.45	529.00			529.00	127.55	
663	5	Yes.		412.85	345.10	757.95	400.95	529.00	300.00	1,229.95	472.00	
664	4	No.	48.00	315.40	339.50	702.90	500.00		300.00	800.00	97.10	
665	8	Yes.		368.15	466.70	834.85	474.00	344.00		818.00		16.85
666	6	No.	60.00	502.80	301.51	864.31	463.00		408.00	871.00	6.69	
667	7	Yes.		284.65	500.45	785.10	750.00	200.00		950.00	164.90	
668	5	Yes.		332.75	402.00	734.75	541.00		221.00	762.00	27.25	
669	7	Yes.		428.80	387.80	816.60	520.00	100.00	216.00	836.00	19.40	
670	2	Yes.		167.15	181.70	348.85	549.00			549.00	200.15	
671	4	No.	72.00	212.95	140.50	425.45	509.00			509.00	83.55	
672	5	No.	84.00	289.01	180.50	553.51	450.00			450.00		103.51
673	2	No.	55.00	207.70	132.00	394.70	423.15			423.15	28.45	
674	3	No.	36.00	170.90	391.41	598.31	630.00			630.00	31.69	
675	8	No.	39.00	368.95	223.30	631.25	476.45		159.00	635.45	4.20	



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
676	3	No.	\$108.00	\$192.00	\$212.30	\$512.30	\$564.25			\$564.25	\$51.95	
677	5	No.	96.00	240.00	253.30	589.30	412.80			418.80		\$170.50
678	4	No.	48.00	261.00	180.90	492.90	610.25		\$6.00	610.25	117.35	
679	4	No.	96.00	144.00	210.30	450.30	437.50			437.50		12.80
680	2	No.	108.00	120.00	115.10	343.10	375.00			375.00	31.90	
681	3	No.	48.00	216.00	190.15	454.15	443.55			443.55		10.60
682	3	No.	96.00	144.00	258.20	498.20	547.50			547.50	49.30	
683	2	No.	60.00	144.00	219.10	423.10	455.00			455.00	31.90	
684	8	No.	120.00	600.00	226.80	946.80	353.00		600.00	953.00	6.20	
685	3	Yes.		120.00	227.10	347.10	506.80			506.80	159.70	
686	3	No.	150.00	360.00	313.80	823.80	680.00			680.00		143.80
687	5	No.	132.00	360.00	303.55	795.55	900.00			900.00	104.45	
688	3	No.	48.00	120.00	166.70	334.70	355.00			355.00	29.30	
689	2	No.	96.00	192.00	279.70	567.70	586.45			586.45	18.75	
690	6	No.	60.00	300.00	233.60	593.60	700.25			700.25	106.65	
691	3	No.	48.00	120.00	245.80	413.80	460.00			460.00	46.20	
692	3	No.	36.00	216.00	246.55	498.55	502.50			502.50	3.95	
693	3	No.	66.00	240.00	398.94	704.94	619.75		45.00	664.75		40.19
694	4	No.	72.00	260.00	220.50	552.50	700.00		112.00	812.00	259.50	
695	5	No.	84.00	360.00	198.40	642.40	766.00			766.00	123.60	
696	5	No.	120.00	360.00	359.10	839.10	892.50		102.00	994.50	155.40	
697	3	No.	60.00	240.00	193.55	493.55	469.00	\$104.00		573.00	79.45	
698	2	No.	36.00	147.35	127.50	310.85	414.35			414.35	103.50	
699	4	No.	48.00	163.50	251.30	462.80	339.55		24.00	363.55		99.25
700	2	No.	36.00	118.70	159.00	313.70	457.65			457.65	143.95	
701	2	No.	48.00	167.70	162.20	377.90	390.00			390.00	12.10	
702	11	No.	36.00	205.85	294.50	526.35	312.00	210.00		522.00		14.35
703	5	No.	84.00	189.65	203.00	476.65	476.10			476.10		.55
704	5	No.	48.00	196.70	211.20	455.90	744.75			744.75	238.85	
705	5	No.	48.00	173.40	249.00	470.40	662.30			662.30	191.90	
706	7	No.	54.00	206.33	142.00	402.33	280.00		108.00	388.00		14.33
707	7	No.	51.00	360.00	217.10	628.10	612.50			612.50		15.60
708	4	Yes.		144.00	225.30	369.30	552.50			552.50	183.20	
709	3	No.	54.00	120.00	223.60	402.60	431.60		144.00	575.60	173.00	
710	3	No.	60.00	144.00	160.60	364.60	395.50			395.50	30.90	
711	2	No.	54.00	144.00	180.10	378.10	472.50			472.50	94.40	
712	2	No.	Free.	96.00	100.30	196.30	379.50			379.50	183.20	
713	4	No.	72.00	240.00	190.60	502.60	430.80		48.00	478.80		23.80
714	2	No.	60.00	120.00	232.50	412.50	476.00			476.00	63.50	
715	11	No.	18.00	176.90	147.75	342.65	300.00	25.00		325.00		17.65
716	6	No.	60.00	215.00	328.20	603.20	575.25	90.00	96.00	761.25	158.05	
717	4	No.	36.00	140.05	165.20	342.15	420.00			420.00	77.85	
718	10	No.	12.00	192.20	259.60	463.80	440.50		144.00	584.50	120.70	
719	3	No.	18.00	105.25	186.00	309.25	275.00		60.00	335.00	25.75	
720	8	No.	36.00	225.80	222.40	484.20	420.00	110.00		530.60	46.40	
721	8	No.	24.00	152.75	198.40	375.15	390.00			390.00	14.85	
722	3	No.	18.00	132.20	207.30	357.50	375.00			375.00	17.50	
723	6	No.	18.00	183.20	186.30	387.50	440.50			440.50	53.00	
724	5	No.	15.00	129.35	85.60	229.95	220.00	20.00		240.00	10.05	
725	10	No.	84.00	408.90	372.00	864.90	1,200.00			1,200.00	335.10	
726	8	No.	72.00	264.80	269.50	596.30	307.60	300.00		607.60	11.30	
727	10	Yes.		313.20	317.98	631.18	308.00	225.00	50.00	583.00		48.18
728	5	Yes.		227.25	218.75	446.00	300.00		160.00	460.00	14.00	
729	6	No.	96.00	141.60	183.13	420.73	350.30		37.00	387.30		33.43
730	8	Yes.		120.00	344.70	464.70	350.00		86.00	436.00		28.70
731	8	Yes.		240.50	237.30	477.80	323.18	58.50	104.00	485.68	7.88	
732	3	No.	24.00	122.80	186.35	333.15	393.00			393.00	59.85	
733	5	No.	32.40	219.40	239.78	491.58	456.00		45.00	501.00	9.42	
734	5	Yes.		184.80	216.35	401.15	447.00		63.00	510.00	108.85	
735	9	No.	64.80	250.10	223.60	538.50	393.30		130.50	523.80		14.70
736	5	No.	90.00	166.20	169.55	425.75	267.00		140.00	407.00		18.75
737	4	No.	Free.	112.55	193.63	306.18	273.00			273.00		33.18
738	7	Yes.		302.80	428.70	731.50	373.75	39.00	202.00	614.75		116.75
739	9	No.	60.00	207.55	192.90	460.45	374.00		10.00	384.00		76.45
740	7	No.	32.40	121.90	212.10	366.40	353.17			353.17		13.23
741	4	Yes.		137.25	150.90	288.15	273.00			273.00		15.15
742	4	Yes.		154.65	191.34	345.99	312.00		60.00	372.00	26.01	
743	9	No.	64.80	224.30	246.55	535.65	309.00		147.00	546.00	10.35	
744	4	No.	72.00	113.50	206.25	391.75	260.00		100.00	360.00		31.75
745	4	No.	96.00	125.55	173.75	395.30	336.35		100.00	336.35		58.95
746	7	No.	60.00	200.24	215.00	475.84	329.00		120.00	449.00		26.84
747	2	No.	96.00	102.75	154.90	353.65	286.00		68.00	354.00	.35	
748	7	No.	66.00	205.00	220.20	491.20	247.00		216.00	463.00		28.20
749	7	Yes.		216.90	300.03	516.93	351.00	45.00	100.00	496.00		20.93
750	3	No.	120.00	208.60	149.70	478.30	584.00			584.00	105.70	

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Def- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
751	5	No..	\$66.00	\$154.40	\$279.55	\$499.95	\$491.70	.....	.....	\$491.70	.....	\$8.25
752	7	No..	108.00	246.95	233.32	588.27	475.00	.....	\$56.00	531.00	.....	57.27
753	6	Yes	.....	99.96	132.60	232.56	355.00	.....	235.00	590.00	\$357.44	.....
754	4	No..	42.00	207.66	264.17	513.83	588.00	.....	.....	588.00	74.17	.....
755	4	No..	96.00	200.85	233.14	529.99	626.00	.....	.....	626.00	96.01	.....
756	3	Yes.	.....	210.30	358.90	569.20	700.00	\$360.00	.....	1,063.00	490.80	.....
757	5	No..	96.00	213.98	279.31	589.29	748.80	.....	225.00	973.80	384.51	.....
758	5	No..	42.00	198.25	183.53	423.78	602.25	.....	.....	602.25	178.47	.....
759	7	No..	34.00	256.07	222.35	562.42	600.00	.....	72.00	672.00	109.58	.....
760	7	No..	42.00	249.25	131.31	422.56	547.00	.....	.....	547.00	124.44	.....
761	6	Yes.	.....	181.61	378.20	559.81	433.00	.....	.....	433.00	.....	126.81
762	7	No..	80.00	262.74	352.43	695.17	768.00	.....	.....	768.00	72.83	.....
763	9	No..	38.60	190.76	157.43	386.79	179.68	229.68	.....	409.36	22.57	.....
764	5	No..	19.30	185.08	202.19	406.57	159.23	262.29	.....	421.52	14.95	.....
765	6	No..	38.60	140.31	79.21	258.12	214.23	.....	.....	214.23	.....	43.89
766	2	No..	27.79	96.16	111.67	235.62	202.65	.....	.....	202.65	.....	32.97
767	2	No..	30.88	109.86	69.77	210.51	211.34	.....	.....	211.34	.83	.....
768	5	No..	34.74	283.93	304.56	623.23	360.14	351.84	.....	711.98	88.75	.....
769	6	No..	27.79	112.86	177.66	318.31	202.65	97.66	.....	300.31	.....	18.00
770	11	No..	34.74	296.31	303.98	635.03	180.07	455.48	.....	635.55	.52	.....
771	6	No..	34.74	140.55	116.90	292.19	217.13	71.41	.....	258.54	.....	3.65
772	5	No..	23.16	154.78	182.71	360.65	180.07	167.91	.....	347.98	.....	12.67
773	7	No..	38.60	167.05	174.87	370.52	130.28	246.08	.....	376.36	5.84	.....
774	4	No..	44.29	151.83	193.20	389.32	389.32	.....	.....	389.32	.....	.....
775	3	No..	37.96	159.22	163.53	360.71	374.72	.....	.....	374.72	14.01	.....
776	4	No..	37.96	158.90	223.87	420.73	458.67	.....	.....	458.67	37.94	.....
777	6	No..	50.61	200.75	266.92	518.28	518.28	.....	.....	518.28	.....	.....
778	4	No..	35.85	188.42	194.67	418.94	437.99	.....	.....	437.99	19.05	.....
779	3	No..	47.45	175.43	249.17	472.05	399.05	73.00	.....	472.05	.....	.....
780	3	No..	44.28	125.33	263.51	433.12	433.12	.....	.....	433.12	.....	.....
781	5	No..	44.29	242.86	285.90	573.05	620.48	.....	.....	620.48	47.43	.....
782	5	No..	47.45	232.27	284.69	564.41	618.05	.....	.....	618.05	53.64	.....
783	6	No..	41.12	190.78	201.22	433.12	433.12	.....	.....	433.12	.....	.....
784	2	No..	46.39	148.09	143.56	338.04	433.12	.....	.....	433.12	95.08	.....
785	3	No..	47.45	166.93	218.74	433.12	433.12	.....	.....	433.12	.....	.....
786	3	No..	44.29	169.60	203.66	417.55	433.12	.....	.....	433.12	15.57	.....
787	4	No..	37.96	132.62	174.94	345.52	345.52	.....	.....	345.52	.....	.....
788	5	No..	37.96	177.87	233.35	449.18	449.18	.....	.....	449.18	.....	.....
789	6	No..	44.28	139.91	263.53	447.72	447.72	.....	.....	447.72	.....	.....
790	7	No..	44.29	274.62	364.74	683.65	433.12	267.66	.....	700.78	17.13	.....
791	4	No..	32.60	172.93	154.59	360.12	262.79	.....	97.33	360.12	.....	.....
792	2	No..	34.71	108.03	130.06	272.80	301.72	.....	.....	301.72	28.92	.....
793	3	No..	22.06	104.92	126.08	253.06	253.06	.....	.....	253.06	.....	.....
794	9	No..	19.30	183.86	169.95	373.11	291.99	.....	139.18	431.17	58.06	.....
795	3	No..	22.06	139.68	142.86	304.60	306.59	.....	.....	306.59	1.99	.....
796	5	No..	34.71	205.90	168.18	408.79	408.79	.....	.....	408.79	.....	.....
797	7	No..	50.61	211.70	258.41	520.72	472.05	48.67	.....	520.72	.....	.....
798	3	No..	44.29	194.27	216.07	454.63	472.05	.....	.....	472.05	17.42	.....
799	5	No..	36.01	143.55	98.88	278.44	319.26	.....	.....	319.26	40.82	.....
800	7	No..	51.10	401.55	189.31	641.96	364.99	316.32	.....	681.31	39.35	.....
801	6	No..	41.37	269.84	102.45	413.66	364.99	.....	48.67	413.66	.....	.....
802	6	No..	41.37	269.90	93.91	405.18	364.99	.....	48.67	413.66	8.48	.....
803	7	No..	58.40	438.93	182.25	679.58	364.99	374.73	.....	759.72	60.14	.....
804	6	No..	36.50	255.26	121.90	413.66	364.99	.....	48.67	413.66	.....	.....
805	6	No..	48.67	258.52	179.46	486.65	486.65	.....	.....	486.65	.....	.....
806	4	No..	48.67	273.62	164.36	486.65	486.65	.....	.....	486.65	.....	.....
807	4	No..	58.40	292.47	129.93	480.80	462.32	.....	48.67	510.99	30.19	.....
808	5	No..	51.10	401.65	210.00	662.75	462.32	316.33	.....	778.65	115.90	.....
809	7	No..	68.13	484.22	270.09	822.44	486.65	340.66	48.67	875.98	53.54	.....
810	7	No..	58.40	489.28	240.64	788.32	486.65	462.33	.....	948.98	160.66	.....
811	6	No..	58.40	284.94	167.65	510.99	462.32	.....	48.67	510.99	.....	.....
812	4	No..	38.93	238.22	87.84	364.99	316.32	.....	48.67	364.99	.....	.....
813	3	No..	38.93	233.64	112.17	384.74	340.66	.....	48.67	389.33	4.59	.....
814	6	No..	55.96	297.10	182.25	535.31	316.32	194.66	24.33	535.31	.....	.....
815	4	No..	38.93	241.63	108.77	389.33	340.66	.....	48.67	389.33	.....	.....
816	6	No..	43.80	268.39	174.46	486.65	340.65	146.00	.....	486.65	.....	.....
817	5	No..	36.50	248.63	77.87	363.00	311.46	.....	48.67	360.13	.....	2.87
818	5	No..	36.50	268.76	79.20	384.46	311.46	.....	73.00	384.46	.....	.....
819	3	No..	34.07	205.24	107.05	346.36	311.46	.....	48.67	360.13	13.77	.....
820	5	No..	36.50	237.01	86.62	360.13	311.46	.....	48.67	360.13	.....	.....
821	7	No..	53.53	389.81	203.90	647.24	306.59	340.65	.....	647.24	.....	.....
822	3	No..	27.33	145.97	78.92	252.22	301.72	.....	.....	301.72	49.50	.....
823	6	No..	22.06	201.47	146.32	369.85	369.85	.....	.....	369.85	.....	.....
824	6	No..	29.85	278.81	236.40	545.06	340.66	204.40	.....	545.06	.....	.....
825	3	No..	31.96	114.69	125.22	271.87	291.99	.....	.....	291.99	20.12	.....

TABLE XIX.—PIG IRON : COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Concluded.

Budget number.	Number in family.	Own house.	Expenditure for—				Income from—				Surplus.	Deficit.
			Rent.	Food.	All other purposes.	Total.	Husband.	Wife and children.	All other sources.	Total.		
826	7	No..	\$28.79	\$173.08	\$109.59	\$311.46	\$311.46	.....	.....	\$311.46	.....	.....
827	5	No..	22.06	147.86	85.57	255.49	255.49	.....	.....	255.49	.....	.....
828	6	No..	40.07	415.83	481.47	937.37	374.72	\$788.37	.....	1,163.09	\$225.72	.....
829	4	No..	22.06	165.99	128.27	316.32	316.32	.....	.....	316.32	.....	.....
830	4	No..	29.85	168.24	122.36	320.45	389.32	.....	.....	389.32	68.87	.....
831	5	No..	22.06	150.99	84.87	257.92	257.92	.....	.....	257.92	.....	.....
832	8	No..	28.39	214.06	105.28	347.73	243.33	97.33	.....	340.66	.....	\$7.07
833	3	No..	41.04	159.83	233.61	434.48	301.72	.....	\$170.33	472.05	37.57	.....
834	4	No..	28.39	135.74	127.86	291.99	291.99	.....	.....	291.99	.....	.....
835	7	No..	25.63	199.36	200.83	425.82	304.16	121.66	.....	425.82	.....	.....
836	2	No..	31.96	115.95	118.60	266.51	291.99	.....	.....	291.99	25.48	.....
837	4	No..	34.71	116.24	104.67	255.62	272.52	.....	31.63	304.15	48.53	.....
838	6	No..	35.04	292.63	127.59	455.26	344.45	111.93	.....	456.38	1.12	.....

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TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS.

[No inference can be drawn from lack of fullness in some of these notes as uniformity of statement was found to be impracticable and was not insisted upon.]

1. In debt; a comfortable and well kept house, rented of company.
2. Surplus on hand; board house, little furniture; garden fenced in; cow.
3. Surplus on hand; company house; shiftless woman; pick up wood and kindling.
4. Surplus applied to debts; company house; yard and garden attached; live comfortably.
5. In debt; company house, roughly finished and no conveniences; no garden.
6. Surplus on hand; live in one room belonging to company.
7. In debt; company house, in very dirty condition.
8. In debt; company house; pick up coal and kindling.
9. Surplus on hand; little furniture, bare floors.
10. In debt; lazy pair; man working only at intervals.
11. In debt; company house; wasteful and careless woman; very little furniture.
12. In debt; company house; no conveniences and no drainage.
13. Surplus on hand; company house; filth inside and out; cow.
14. In debt; hut of one room not 6 feet high, belonging to company; pay no rent; a light required all day.
15. Surplus on hand; company house; good furniture, organ, pictures and ornaments; small garden.
16. Surplus on hand; company house, neat and comfortably furnished.
17. Surplus on hand; company house; near furnace; noisy and dirty.
18. Surplus on hand; good house belonging to company; poor furniture; cow.
19. Surplus on hand; company house; little furniture.
20. Surplus applied to debts; company house; some good furniture, organ; children take music lessons.
21. In debt; company house; bare floor; machine, some good furniture; drinks too much.
22. In debt; company house; bare floors, altogether dirty and badly kept.
23. Surplus applied to debts; company house; surroundings bad; cow and hogs.
24. Surplus on hand; company house; floor, table, chairs, and woman dirty.
25. Surplus paid on lot; company house; clean and comfortable; yard and garden; organ and sewing machine.
26. Surplus on hand; company house; comfortable and clean.
27. Surplus on hand; company house.
28. Surplus on hand; dirty, poorly furnished house, belonging to company; pick up fuel; cow.
29. Surplus on hand; company house, plainly furnished; matting on floors.
30. In debt; comfortable rooms, poorly furnished; company house.
31. Surplus on hand; company house; organ and good furniture.
32. In debt; company house; organ, and little furniture.
33. Surplus on hand; company house; good windows and plastered walls.
34. Surplus on hand; company house with many apartments; plain, rough furniture.
35. Surplus on hand; company house; have difficulty in getting drinking water.
36. Surplus on hand; company house; little furniture.
37. Surplus on hand; company house; idles after pay days.
38. In debt; company house; sold several hogs; lost three months.
39. Surplus on hand; live well.
40. Surplus on hand; company house; good furniture.
41. Surplus applied to debts; company house; machine and some ornaments; clean.
42. Surplus on hand; company house; woman takes in washing; hog.
43. In debt; company house; organ, books, and engravings; house in good order.
44. Surplus on hand; company house; pick up most of their fuel.
45. Surplus on hand; company house; sanitary condition bad; man drinks.
46. In debt; company house; in woods; water conveyed through pipes.
47. Surplus on hand; company house; untidy white people; good house, badly cared for.
48. In debt; company house; lost time during wife's illness.
49. Surplus on hand; company house; keep a cow and sell milk; organ; pick up coal.
50. Surplus on hand; company house; sanitary condition bad.
51. Surplus on hand; company house.
52. Surplus on hand; company house; pick up coal; too lazy to keep clean.
53. In debt; company house; surrounded by hogs and filth; broken chairs; soiled bedding.
54. Surplus on hand; company house; water some distance; pick up fuel.
55. Surplus applied to debts; company house; surroundings bad.
56. Surplus on hand; company house; cow.
57. In debt; company house; little furniture.
58. Surplus on hand; company house, plastered and in extra good condition.
59. In debt; plainly furnished house; fairly well educated; cow.
60. In debt; house new and clean; little furniture; ignorant colored people.
61. Surplus on hand; house uncomfortable, bare floors and little furniture.
62. In debt; company house; family and house dirty.
63. In debt; house not over 16 feet square, propped on one side with logs.
64. In debt; comfortably situated; prosperous family.
65. In debt; small house, no carpets; buy drinking water.
66. In debt; house dirty, unsanitary, poorly furnished; cow.
67. Surplus on hand; house clean, well furnished; small yard in front; no garden.
68. Surplus on hand; house dirty, plainly furnished; rag carpet; cow.
69. Surplus on hand; company house, poorly furnished and heated.
70. Surplus on hand; house plainly but comfortably furnished; keep a cook; put out sewing.
71. Surplus on hand; convenient house, comfortably furnished; a good yard; cow.
72. In debt; company house, in good condition; water convenient; no garden.
73. Surplus on hand; company house, in good condition; pleasant location.
74. Surplus on hand; company house, clean and neat; carpet.
75. In debt; company house, dirty, poorly furnished; no yard or garden.
76. In debt; company house, plank, dirty, poorly furnished; no garden.
77. Surplus on hand; company house, frame, painted inside; small garden.
78. In debt; company house, yard in bad condition.
79. In debt; company house, clean and comfortable; no yard.
80. In debt; company house, clean, in fair condition.

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

81. In debt; company house, plank, painted inside, plainly furnished; small yard and garden.
82. Surplus on hand; company house, plainly furnished; small yard.
83. In debt; company house, untidy, with few comforts.
84. In debt; company house; sanitary condition bad.
85. Surplus on hand; plank house, full of holes.
86. In debt; company house; man and woman drink; live in dirt.
87. In debt; company house; men sitting about and woman rubbing snuff; dirty.
88. Surplus on hand; woman a dressmaker; house clean; cow.
89. Surplus on hand; company house; intelligent colored family.
90. In debt; comfortable, neat home; organ and good furniture.
91. In debt; company house; intelligent colored man.
92. Surplus applied to debts; company house, in good order; own some books.
93. Surplus applied to debts; company house, built below the railroad among refuse.
94. In debt; house with broken-down porch in front; broken furniture.
95. In debt; no comforts, dirty and ignorant; spend money in frolic and drink.
96. In debt; bare floors, pictures pasted on the walls.
97. Surplus on hand; badly kept house; raise a few chickens.
98. Surplus applied to debts; house situated on a dumping ground amidst garbage and filth.
99. Surplus on hand; plank house, clean and comfortable; man wastes money.
100. In debt; plastered rooms, good furniture, organ; surroundings dry.
101. Surplus on hand; comfortable house, with some good furniture.
102. In debt; buy furniture on instalment plan.
103. In debt; board house, smoky and dirty.
104. In debt; company house; surroundings bad; pick up all their fuel.
105. Surplus on hand; respectable colored family; organ, books, and chromos.
106. Surplus on hand; pleasant home; flower garden, cow, pigs, and chickens.
107. Surplus on hand; comfortable house in suburbs; two horses, cow, and chickens.
108. Surplus invested in real estate; own considerable property; live well; cow and chickens.
109. In debt; house in good condition; good well water.
110. In debt; plank house, small rooms; no yard; water some distance.
111. In debt; house built on what was once a pond.
112. Surplus on hand; small rooms, dirty rag carpet on one floor; water under house; cow.
113. Surplus on hand; plastered house, comfortable and clean.
114. In debt; one room comfortable, others leak; house clean; ornaments.
115. In debt; wretched quarters in a side alley; dirty and smoky.
116. In debt; neat, comfortable house, with all modern conveniences; fairly well educated.
117. Surplus applied to old debts; wretched quarters; surroundings had; pigs and other animals at the door.
118. In debt; family crowded into small quarters.
119. Surplus paid on house; own house; woman earns by washing almost as much as man.
120. In debt; house well situated; clean and comfortable.
121. Surplus on hand; house well built and in good order.
122. In debt; one room plastered; dirty matting on floor; buys meat for dogs.
123. In debt; plank house; poorly furnished and badly kept; waste money.
124. Surplus on hand; own comfortable house, good furniture; some good stock.
125. In debt; poor accommodations and few conveniences.
126. In debt; good house, plastered; plenty of windows.
127. In debt; house some distance from work.
128. In debt; a smoke-hegged, dirty house; drinking water half a mile distant.
129. In debt; company house; dirty surroundings; ignorant.
130. In debt; company house; clean and well kept; family neat and well clothed.
131. Surplus applied to paying old debts; wife partially insane; house in bad condition.
132. In debt; house small and scantily furnished, but clean and well cared for.
133. Surplus on hand; company house; very little furniture.
134. Surplus on hand; company house, in good order; rag carpet.
135. Surplus invested in real estate and books; comfortable cottage, plainly furnished.
136. Surplus on hand; clean, comfortable house in suburbs.
137. Surplus on hand; house clean; plainly but comfortably furnished; kitchen leaks.
138. Surplus invested in real estate; own comfortable house; fine garden and orchard.
139. Surplus applied to old debts; house out of repair; some conveniences and comforts.
140. Surplus on hand; comfortable house, clean and plainly furnished; cow.
141. Surplus on hand; house in good location; very little furniture.
142. Surplus on hand; company house; poorly heated.
143. Surplus on hand; company house.
144. Surplus on hand; keep chickens and pigs; both chew tohacco.
145. In debt; poor surroundings; three families in the house.
146. Surplus on hand; comfortable house, well furnished; buying piano; cow and hogs.
147. In debt; ignorant and dirty "Georgia Crackers."
148. Surplus on hand; company house, comfortable and well kept.
149. Surplus on hand; house inconvenient and out of repair; smoky windows and dirty paint.
150. Surplus on hand; comfortable brick house; garden, raise vegetables; two cows; hogs.
151. In debt; shanty, dirty inside and out; keep a cow; drinking water half a mile away.
152. Surplus on hand; broken-down house; no carpets and little furniture.
153. Surplus on hand; broken-down shanty built over the mine; cow, pigs, and chickens.
154. In debt; house built over the mine; walls cracked; dirty interior.
155. Surplus on hand; intelligent family; fond of music, poetry, and flowers.
156. Surplus on hand; shiftless, lazy pair; man has an interest in a saloon.
157. Surplus on hand; shanty built in a hollow; pig pen at the door; chickens.
158. Surplus on hand; small room, crowded with bed and trunks; indolent woman.
159. Surplus on hand; house built over mine; propped up; furniture broken; house dirty.
160. Surplus on hand; neat house; bad surroundings; horse, cows, and pigs.
161. Surplus applied to old debts; board shanty; dirty house and family; pig and chickens.
162. In debt; ignorant and dirty family; no comforts.



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

163. Surplus on hand; house in good order; children comfortably clothed; cow and chickens.
164. Surplus on hand; good house, well located; hogs and chickens.
165. Surplus on hand; company house; fine location; dirty interior; lazy, shiftless people.
166. Surplus on hand; comfortable house; good furniture; ambitious couple.
167. In debt; company house, in good order and comfortably furnished.
168. Surplus on hand; board house, propped with ties; woman lazy and dirty.
169. In debt; house comfortably furnished and carpeted.
170. In debt; own two houses; has a garden and raises vegetables; house well furnished.
171. In debt; house nicely furnished; intelligent couple.
172. Surplus applied to old debts; house well furnished; carpets on floors; small vegetable garden.
173. Surplus applied to old debts; house well furnished; some good books; a few pictures.
174. Surplus on hand; no carpets; woman in bad health; house not well kept.
175. Surplus applied to old debts; no carpets, and few comforts; pig.
176. Surplus on hand; own house.
177. In debt; own a small house, not yet paid for.
178. In debt; house comfortably furnished and partly carpeted; cow.
179. In debt; house comfortably furnished and partly carpeted.
180. Surplus on hand; house comfortably furnished; books and pictures; pigs and chickens.
181. Accounts balance; house comfortably furnished; small vegetable garden.
182. In debt; house neatly furnished; books and pictures.
183. Surplus on hand; one room carpeted; hard working couple; a cow and three pigs.
184. Surplus paid on house; own a small house; cow.
185. In debt; house plainly furnished and partly carpeted.
186. Surplus paid on house; own a house, not fully paid for; house poorly furnished.
187. In debt; house neatly furnished and carpeted.
188. In debt; own a small house, poorly furnished.
189. Surplus on hand.
190. Surplus on hand; own a small house, not entirely paid for; no carpets; good furniture.
191. Surplus sent to the old country; house neatly furnished; one carpet.
192. In debt; excellent workman, but lost time; raise a few chickens.
193. Surplus on hand.
194. Surplus paid on house; own a house, cow, hogs, and chickens; vegetable garden.
195. Surplus paid on house; house carpeted and comfortably furnished; garden; two cows; chickens.
196. In debt; house neatly furnished; vegetable garden.
197. Surplus in building association; house neatly furnished; pictures and few books.
198. In debt; house fairly furnished; few books, no pictures; not neat.
199. In debt; lost much time during year; find it hard to get along.
200. In debt; house poorly furnished; have to support a drunken son.
201. In debt; house comfortably furnished, partially carpeted.
202. Surplus on hand; house neatly furnished and carpeted.
203. Surplus in savings bank; house neatly furnished and carpeted.
204. Surplus on hand; house neatly furnished, partially carpeted.
205. In debt; woman neat and intelligent; man drinks; floors carpeted; garden; two pigs.
206. In debt; house neatly furnished; woman intelligent and refined.
207. Surplus applied to debts; house partially carpeted; few books and pictures; small garden.
208. Surplus in building and loan association; house fairly furnished.
209. Surplus on hand; comfortable house owned by mother-in-law; chickens.
210. In debt; own house; neatly furnished; keep a cow and sell milk.
211. Surplus on hand; comfortable house, well furnished.
212. Surplus on hand; own house, comfortably furnished; cow and chickens.
213. Surplus on hand; house clean and comfortably furnished.
214. Surplus on hand; company house; yard and garden.
215. Surplus on hand; company house.
216. Surplus on hand; pleasant house, yard, and garden; chickens.
217. Surplus on hand; company house; no carpets; vegetable garden.
218. Surplus on hand; company house; dirty, ignorant couple.
219. In debt; company house; bare, uncomfortable, and dirty.
220. Surplus on hand; an old dilapidated house bare of furniture.
221. In debt; company house; miserable surroundings.
222. In debt; company house; very little furniture; vegetable garden.
223. Surplus on hand; company house; no carpets; vegetable garden.
224. Surplus on hand; comfortable home; vegetable garden; chickens.
225. In debt; company house; very comfortable; man drinks.
226. In debt; owns house; very little furniture.
227. Surplus on hand; dirty house, in bad location; small yard; chickens.
228. In debt; company house; sanitary conditions bad.
229. Surplus on hand; company house; respectable and clean.
230. In debt; company house; dirty people; vegetable garden.
231. In debt; company house; carpets on the floors; raise some vegetables.
232. Surplus on hand; shanty on canal bank; vegetable garden; chickens.
233. Surplus on hand; company house, inconvenient and dirty.
234. In debt; shanty on canal bank; vegetable garden.
235. In debt; own house; comfortable and well furnished; garden; chickens.
236. In debt; company house; one carpet, cheap furniture.
237. Surplus on hand; plainly furnished house; cow, pig, and chickens.
238. In debt; little furniture.
239. In debt; company house; eight dirty children.
240. Surplus on hand; house neat and comfortable; one carpet.
241. Surplus on hand; company house; vegetable garden.
242. Surplus on hand; company house, small and uncomfortable.
243. Surplus on hand; company house.
244. Surplus on hand; company house, clean and orderly; garden; chickens.
245. In debt; company house.



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

246. In debt; company house, small but clean; vegetable garden.
247. Surplus on hand; company house; vegetable garden; chickens.
248. Surplus on hand; company house; vegetable garden; chickens.
249. Surplus on hand; company house.
250. In debt; company house; dirty floors, no carpets.
251. Surplus on hand; company house; hooks and ornaments; vegetable garden; cow, and chickens.
252. Surplus on hand; company house, untidy, with little furniture.
253. Surplus on hand; raise a few vegetables.
254. In debt; company house; small rooms, comfortably furnished.
255. Surplus on hand; company house, dirty and in disorder; chickens.
256. Surplus on hand; small, well kept house; vegetable garden; chickens.
257. In debt; good house with yard and garden attached; pig and chickens.
258. In debt; good house with yard and garden attached; chickens.
259. Surplus on hand; house in bad condition, dirty and untidy.
260. Surplus on hand; company house, dirty and uncomfortable.
261. In debt; house well furnished.
262. Surplus on hand; company house.
263. Surplus on hand; company house; small untidy rooms; garden.
264. Surplus on hand; company house; vegetable garden; chickens.
265. Surplus in bank.
266. In debt; house neatly furnished; vegetable garden; poultry.
267. In debt.
268. Surplus on hand; own house, well furnished; vegetable garden; poultry.
269. In debt, owing to sickness.
270. Surplus in bank; own house, well furnished; vegetable garden; poultry.
271. In debt, owing to sickness.
272. Surplus invested in real estate; own comfortable house, well furnished; poultry.
273. Surplus applied on mortgage; own house, comfortably furnished; hogs and poultry.
274. Surplus applied on mortgage; own house; healthful surroundings; hogs.
275. Surplus spent in improvements; own house, comfortably furnished; garden; a cow and poultry.
276. Surplus paid on sewing machine and piano; own house, ordinarily furnished.
277. Surplus on hand: own house, nicely furnished.
278. In debt; own small house; few comforts; husband a hard drinker.
279. In debt; house plainly furnished.
280. Surplus invested in real estate; own house, nicely furnished.
281. In debt, owing to sickness.
282. In debt; husband a hard drinker; small garden.
283. Surplus in bank; own house; intelligent and live well; garden.
284. Surplus on hand; cow.
285. Surplus spent in improvements; own house; pleasant surroundings; garden; poultry.
286. Surplus applied on mortgage; own house; live comfortably; garden; cow and poultry.
287. Surplus on hand; live comfortably.
288. Surplus on hand; live plainly and economically.
289. Surplus on hand; live plainly and economically.
290. In debt; live in Bohemian settlement; rooms bare and uninviting.
291. Surplus on hand; few comforts.
292. Surplus on hand; surroundings uninviting.
293. Surplus on hand; own house, plainly furnished.
294. Surplus spent in improvements; own house, plainly furnished; small garden.
295. In debt; live very plainly, and with few comforts.
296. Surplus on hand; house bare and uninviting.
297. In debt; house plainly furnished; garden; poultry.
298. In debt; house unpleasantly situated.
299. Surplus in bank.
300. Surplus on hand; own house; vegetable garden.
301. In debt.
302. Surplus on hand.
303. In debt.
304. Surplus in bank.
305. Surplus on hand.
306. Surplus on hand; own house.
307. Surplus in bank; own house.
308. Surplus on hand.
309. In debt; own house, plainly furnished.
310. Surplus applied on mortgage; own house, comfortably furnished; vegetable garden.
311. Surplus spent in improvements; own house; large vegetable garden; cow, hogs, and poultry.
312. Surplus on hand; own house; garden; poultry.
313. Surplus applied on mortgage; own house, comfortably furnished; vegetable garden.
314. In debt; few comforts; small garden; husband drinks to excess.
315. Surplus in bank; own house; thrifty and economical; garden.
316. In debt; own house; vegetable garden; poultry.
317. Surplus spent in improvements; own house, comfortably furnished; vegetable garden; poultry.
318. Surplus on hand; own house, comfortably furnished; garden; hogs and poultry.
319. Surplus on hand; own house, comfortably situated.
320. Surplus spent in improvements; own house, plainly furnished; both in poor health.
321. Surplus applied on mortgage; own house, neatly furnished; large garden; cow and poultry.
322. Surplus applied on mortgage; own house, nicely furnished; large garden.
323. Surplus applied on mortgage; own house; vegetable garden.
324. Surplus on hand; own house; vegetable garden.
325. Surplus invested in real estate; own house, comfortably situated; garden.
326. Surplus invested in real estate; own house; a garden; cow, hogs, and poultry.
327. Surplus spent in improvements; own house; vegetable garden; cow and poultry.
328. Surplus on hand; own house; vegetable garden; cow and poultry.

TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

329. In debt; garden.
330. Surplus invested in real estate; own house; garden; cow, hogs, and poultry.
331. In debt; own house, well furnished; garden; poultry.
332. Accounts balance; own house; vegetable garden.
333. In debt; own house, plainly furnished; wife an invalid; garden.
334. In debt; own house; vegetable garden; poultry.
335. Surplus invested in real estate; own house, plainly furnished; garden; poultry.
336. In debt; own house; large garden; cow, hogs, and poultry.
337. In debt; own house, well furnished; large garden; poultry.
338. Surplus on hand; own house, comfortably furnished; small garden.
339. Surplus on hand; own house; vegetable garden.
340. Surplus spent in improvements of house; own house, comfortably furnished; garden.
341. Surplus in bank; own house; vegetable garden; hogs.
342. Surplus invested in real estate; own house; vegetable garden.
343. Surplus applied to debts; own house; hogs and poultry.
344. Surplus in bank; garden.
345. Surplus in bank; own house; hogs and poultry.
346. Surplus in bank; own house.
347. In debt.
348. Surplus on hand; own house; poultry.
349. Surplus invested in real estate; own house; comfortably situated.
350. Surplus on hand.
351. Surplus in bank; own house; substantially furnished; garden.
352. Surplus spent in improvements of house; own house.
353. In debt; poultry.
354. In debt; small vegetable garden.
355. Surplus invested in real estate; garden.
356. Surplus invested in real estate; own house, nicely furnished; garden.
357. Surplus in bank; own house; worth from \$8,000 to \$10,000; large garden.
358. Surplus spent in improvement of house; own house; pleasant surroundings.
359. Surplus spent in improvement of house; own house; large garden; two cows.
360. Surplus in bank; large garden; cow and poultry.
361. In debt; house meanly furnished; small garden.
362. In debt; vegetable garden.
363. In debt; house nicely furnished; a few books; pictures.
364. Surplus on hand; house poorly furnished; one cheap carpet; large garden; chickens.
365. Surplus on hand; house neatly furnished; three carpets; books, pictures; garden; pigs and chickens.
366. Surplus on hand; house comfortably furnished; books, pictures; garden; fruit; chickens.
367. Surplus on hand; house comfortably furnished; two carpets, books, pictures; garden; pigs.
368. Surplus applied to purchase of house; house clean but poorly furnished; garden; fruit, pigs, and chickens.
369. In debt; house poor, low ceiling, bad light; one carpet; small garden; chickens.
370. Surplus on hand; house nicely furnished; carpets, books, pictures; garden; chickens.
371. Surplus on hand; house nicely furnished; carpets, books, pictures, violin; garden; fruit.
372. Surplus applied to old debts; house poor but well furnished; garden; fruit, cow, pig, chickens.
373. Surplus invested in cow; house nicely furnished; carpets, books, pictures, organ; garden; pigs, and chickens.
374. Surplus on hand; house poorly furnished; pictures; garden; chickens.
375. In debt; house poorly furnished; old carpet; garden; pigs, chickens; partly supported by county charity.
376. Surplus spent in repairs; house nicely furnished; carpets, books, pictures, organ; garden; cow, pigs, and chickens.
377. Surplus on hand; house poor but neat and comfortably furnished; carpets, portraits.
378. In debt; house poorly furnished; two carpets, pictures; garden; fruit and chickens.
379. Surplus on hand; house poorly furnished; one carpet, pictures; garden; fruit; pigs, chickens.
380. Surplus in bank; house nicely furnished; carpets, books, pictures, organ; garden; fruit; pigs, and chickens.
381. Surplus applied to debts; one-fourth of a double house, clean but poorly furnished; garden; chickens.
382. Surplus on hand; house nicely furnished; a guitar; garden; chickens.
383. Surplus on hand; well kept house; music.
384. In debt; well kept house.
385. Surplus applied to debts; live comfortably; small garden.
386. In debt; well kept house.
387. Surplus applied to debts; live comfortably.
388. In debt; well kept house.
389. Surplus applied to old debts; well kept house; organ.
390. Surplus applied to old debts; house fairly clean.
391. In debt; house and children untidy.
392. Surplus on hand; live comfortably; organ.
393. Surplus applied to debts.
394. Surplus applied to debts; house well kept.
395. Surplus on hand; house comfortably furnished; sewing machine.
396. Surplus on hand; house comfortably furnished; sewing machine; chickens.
397. In debt; house poorly furnished; sewing machine; small garden.
398. Surplus on hand; house comfortably furnished; sewing machine; garden.
399. In debt; house comfortably furnished; sewing machine; garden.
400. Surplus on hand; house comfortably furnished; sewing machine; pig.
401. In debt; house comfortably furnished; sewing machine; pigs and chickens.
402. Surplus on hand; house comfortably furnished; sewing machine; pigs and chickens.
403. Surplus invested in real estate; house comfortably furnished; sewing machine; garden.
404. Surplus invested in real estate; house comfortably furnished; sewing machine; garden; pigs and chickens.
405. In debt; house comfortably furnished; sewing machine.
406. In debt; house poorly furnished; sewing machine; garden.



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

407. Surplus invested in real estate; house comfortably furnished.
408. Surplus applied to old debts; house comfortably furnished; sewing machine; poultry.
409. Surplus on hand; house comfortably furnished; sewing machine; garden.
410. Surplus on hand; house comfortably furnished; sewing machine; organ; garden; poultry.
411. Surplus on hand; house comfortably furnished; sewing machine.
412. Surplus on hand; house comfortably furnished; organ.
413. Surplus applied to old debts; house comfortably furnished; sewing machine; garden; pigs.
414. In debt; contented, happy family; live well.
415. Surplus on hand; house comfortably furnished; sewing machine; poultry.
416. Surplus invested in real estate; house comfortably furnished; sewing machine; keep a horse for pleasure.
417. Surplus on hand; house comfortably furnished; sewing machine; small garden.
418. Surplus on hand; house comfortably furnished; sewing machine.
419. Surplus on hand; house barely furnished.
420. In debt; house comfortably furnished; sewing machine; garden; poultry.
421. Surplus on hand; house comfortably furnished; sewing machine.
422. Surplus applied to debts; house comfortably furnished; sewing machine; pigs.
423. In debt; house and children neat and clean.
424. Surplus applied to debts; house and children neat; organ; flower garden.
425. Surplus applied to debts; house untidy.
426. Surplus applied to debts.
427. Surplus on hand; children and house dirty.
428. Surplus applied to debts; house neat and clean.
429. In debt; house not very clean; a few chickens.
430. Surplus on hand; live comfortably; organ.
431. Surplus on hand; live comfortably.
432. In debt; house well kept.
433. Surplus on hand; live comfortably.
434. Surplus on hand; live comfortably.
435. In debt; house untidy.
436. Surplus on hand; live comfortably.
437. Surplus on hand; house comfortably furnished; sewing machine; garden.
438. Surplus on hand; house comfortably furnished; small garden; milk given.
439. Surplus on hand; house comfortably furnished; sewing machine.
440. Surplus spent in building; house comfortably furnished; sewing machine.
441. In debt; house comfortably furnished; sewing machine; garden; cow and poultry.
442. In debt; house comfortably furnished; sewing machine; pig and poultry.
443. Surplus on hand; house comfortably furnished; sewing machine.
444. Surplus on hand; house comfortably furnished; sewing machine; garden; cow, pigs, and poultry.
445. Surplus spent in repairs; house comfortably furnished; sewing machine; garden; cow, pigs, and poultry.
446. Surplus on hand; house comfortably furnished; sewing machine; pig.
447. Surplus invested in real estate; house comfortably furnished; sewing machine; garden.
448. Surplus invested in real estate; house comfortably furnished; sewing machine; poultry.
449. Accounts balance; house comfortably furnished; garden; pig.
450. Surplus on hand; house comfortably furnished; sewing machine; poultry.
451. Surplus on hand; house comfortably furnished; pig and poultry.
452. In debt; house comfortably furnished; sewing machine; organ; poultry.
453. Surplus invested in real estate; house comfortably furnished; sewing machine; pig and poultry.
454. In debt; house comfortably furnished; sewing machine; garden; cow, pigs, and poultry.
455. Surplus on hand; house comfortably furnished; sewing machine.
456. In debt; house comfortably furnished; sewing machine; poultry.
457. Surplus invested in real estate; house neatly and comfortably furnished; sewing machine; organ; cow.
458. Surplus; house comfortably furnished; sewing machine.
459. In debt; house comfortably furnished; sewing machine.
460. Surplus applied to doctor bills; house comfortably furnished; sewing machine; organ; cow.
461. Surplus invested in real estate; house comfortably furnished; small garden.
462. Surplus applied to old debts; house comfortably furnished; sewing machine; garden; poultry.
463. Surplus applied to old debts; house comfortably furnished; sewing machine; cow and pigs.
464. In debt; house comfortably furnished; sewing machine.
465. Surplus invested in real estate; house comfortably furnished; sewing machine; organ; cow and poultry.
466. Surplus invested in real estate; house comfortably furnished; garden; poultry.
467. Surplus on hand; house comfortably furnished; sewing machine; cow.
468. In debt; house comfortably furnished; sewing machine; pig.
469. In debt; house comfortably furnished; sewing machine; pigs and poultry.
470. Surplus on hand; house comfortably furnished; garden.
471. Surplus on hand; house comfortably furnished; sewing machine; pigs and poultry.
472. Surplus on hand; house comfortably furnished; sewing machine; pigs.
473. In debt; house comfortably furnished; sewing machine.
474. Surplus on hand; house comfortably furnished; sewing machine; poultry.
475. Surplus on hand; house comfortably furnished; sewing machine.
476. Surplus on hand; house comfortably furnished; sewing machine; garden; poultry.
477. Surplus invested in real estate; house neat and comfortable; sewing machine.
478. Surplus on hand; house comfortably furnished; organ.
479. Surplus on hand; house comfortable; sewing machine; garden; cow, poultry.
480. Surplus on hand; house comfortable; sewing machine; garden; cow, pigs, and poultry.
481. In debt; house comfortable; sewing machine; garden; poultry.
482. Surplus on hand; sewing machine.
483. Surplus on hand; house comfortably furnished; sewing machine.
484. Surplus on hand; house comfortably furnished; sewing machine; garden; poultry.
485. Surplus applied to pay debts; house comfortably furnished; sewing machine; garden; cows, pigs, and poultry.



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

486. Surplus applied to pay debts; house comfortable; sewing machine.
487. Surplus on hand; house comfortable; sewing machine; organ; garden; horse and pigs.
488. Surplus applied to old debts; house comfortable; sewing machine; organ; garden; poultry.
489. Surplus on hand; house comfortable; sewing machine; garden; poultry.
490. Surplus; house comfortable; sewing machine; garden; horse and poultry.
491. Surplus on hand; house comfortable; sewing machine; garden; poultry.
492. Surplus invested in real estate; house comfortable; sewing machine; garden; cow, pigs, poultry.
493. In debt; house comfortable; sewing machine; garden.
494. In debt; house comfortable; sewing machine; garden; pigs and poultry.
495. Surplus on hand; house comfortable; sewing machine; organ; garden; pigs and poultry.
496. In debt; house comfortable; sewing machine; garden; poultry.
497. Surplus on hand; house comfortably furnished; organ.
498. In debt; house comfortable; sewing machine; organ.
499. In debt; house neat and comfortable; garden; poultry.
500. Surplus on hand; house comfortably furnished; sewing machine; garden; pigs and poultry.
501. In debt; house comfortably furnished; sewing machine.
502. In debt; house comfortably furnished; have a garden.
503. Surplus applied to old debts; house comfortably furnished; sewing machine; pigs.
504. Surplus invested in real estate; own house; comfortably furnished; sewing machine; garden; pigs and poultry.
505. Surplus on hand; own house, comfortably furnished; sewing machine; garden; pigs and poultry.
506. Surplus on hand; house comfortably furnished.
507. Surplus invested in real estate; own house, comfortably furnished; sewing machine; garden; pigs.
508. Surplus invested in real estate; own house, comfortably furnished; sewing machine; organ; garden; horse, cow and poultry.
509. Surplus on hand; own house, comfortably furnished; sewing machine; poultry.
510. Surplus on hand; house comfortably furnished.
511. Surplus applied to old debts; own house, comfortably furnished; sewing machine; garden; orchard; cow and poultry.
512. Surplus on hand; own house, comfortably furnished; sewing machine; organ; garden; poultry and pigs.
513. Surplus invested in real estate; house comfortably furnished; sewing machine; garden; poultry.
514. Surplus invested in real estate; own house, comfortably furnished; sewing machine; organ; garden.
515. Surplus on hand; house comfortably furnished; sewing machine; pigs.
516. Surplus on hand; house comfortably furnished; sewing machine; organ; cow and pigs.
517. Surplus invested in real estate; house comfortably furnished; sewing machine; pigs.
518. In debt; house comfortably furnished; sewing machine; garden; poultry.
519. Surplus on hand; house comfortably furnished; sewing machine; garden; pigs.
520. Surplus on hand; house comfortably furnished; sewing machine.
521. Surplus invested in real estate; own house, comfortably furnished; garden; poultry.
522. In debt; house comfortably furnished; sewing machine; garden; pigs.
523. Surplus on hand; house comfortably furnished; sewing machine; garden; pigs.
524. Surplus applied to mortgage on house; own house, comfortably furnished; sewing machine; garden.
525. Surplus applied to old debts; house comfortably furnished.
526. Surplus on hand; own house, comfortably furnished; sewing machine; garden; poultry.
527. Surplus applied to old debts; house comfortably furnished; sewing machine; garden; cow and pigs.
528. Surplus, paid \$25 church subscription; house comfortably furnished; sewing machine, organ; garden; cow and poultry.
529. Surplus applied to purchase house and lot; house comfortably furnished.
530. Surplus on hand; house comfortably furnished; sewing machine and melodeon; horse and poultry.
531. Surplus, paid \$50 on notes; house comfortably furnished.
532. Surplus in bank; house comfortably furnished; sewing machine; garden; horse and cow.
533. In debt; house comfortably furnished; organ; garden; cow.
534. Surplus, paid debts; house comfortably furnished; sewing machine; garden; horse, cow, pigs.
535. In debt; house comfortably furnished; sewing machine.
536. In debt; house comfortably furnished; sewing machine.
537. Surplus on hand; house comfortably furnished; sewing machine; pigs.
538. In debt; house comfortably furnished; sewing machine; garden; pigs.
539. In debt; house comfortably furnished; sewing machine; garden; pigs and poultry.
540. Surplus on hand; house comfortably furnished; sewing machine.
541. Surplus on hand; house comfortably furnished; sewing machine; pigs.
542. Surplus applied to debts; house comfortably furnished; sewing machine.
543. In debt; furniture on instalment; house comfortably furnished; sewing machine.
544. Surplus on hand; house comfortably furnished; sewing machine and organ.
545. Surplus on hand; house comfortably furnished; sewing machine.
546. Surplus, paid for land; house comfortably furnished; sewing machine; garden; cows, poultry, and pigs.
547. Surplus, paid debts; house comfortably furnished; sewing machine and organ; garden; poultry.
548. Surplus applied to purchasing a home; house comfortably furnished; sewing machine; garden; poultry.
549. Surplus applied to debts and improvements; house comfortably furnished; sewing machine and organ; cow and pigs.
550. Surplus applied to debts; house comfortably furnished; sewing machine and organ; garden and pigs.
551. In debt; house comfortably furnished; sewing machine and organ; garden.
552. Surplus, paid \$180 on house and lot; house comfortably furnished; sewing machine; garden; pigs.
553. Surplus on hand; house comfortably furnished; garden and poultry.
554. Surplus, part paid on farm; house comfortably furnished; sewing machine, organ; cow.
555. Surplus, paid for improvements and debts, balance in bank; house comfortably furnished; sewing machine, organ; garden.
556. Surplus, paid on house and lot; house comfortably furnished; sewing machine, organ; garden; poultry.

**TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.****G.—REMARKS—Continued.**

557. Surplus on hand; house comfortably furnished; received butter, chickens, eggs, etc., from farm; pig.
558. Surplus on hand; house comfortably furnished; sewing machine; large garden; horse and cow.
559. Surplus on hand; house comfortably furnished; sewing machine.
560. Surplus on hand; house comfortably furnished; sewing machine.
561. Surplus applied to debts; house comfortably furnished; sewing machine and organ.
562. Surplus paid on lots; house comfortably furnished; sewing machine; pigs.
563. Surplus paid on house and lot; house comfortably furnished; garden; colt, cow, pigs, and poultry.
564. In debt; house well kept.
565. Surplus on hand; house comfortably furnished; sewing machine and organ; garden; pigs, poultry.
566. In debt; house comfortably furnished; an organette.
567. Surplus on hand; house comfortably furnished; sewing machine.
568. Surplus applied to old debts; house comfortably furnished; sewing machine.
569. Surplus invested in real estate; house comfortably furnished; sewing machine; garden; cow; and pigs.
570. In debt; house comfortably furnished; sewing machine; garden; cow and pigs.
571. Surplus in bank; house comfortably furnished; sewing machine; pigs.
572. Surplus applied to old debts; flower garden.
573. Surplus on hand; house comfortably furnished; garden.
574. In debt; house comfortably furnished; milk and clothing given by relations.
575. Surplus in bank; house comfortably furnished; garden; cow, pigs and poultry.
576. Surplus on hand; house comfortably furnished; sewing machine, organ; garden; cow, pigs, and poultry.
577. In debt; house comfortably furnished; sewing machine; garden; pigs.
578. Surplus on hand; house comfortably furnished; sewing machine; garden; poultry.
579. In debt; house comfortably furnished; sewing machine; pigs.
580. Surplus on hand; house comfortably furnished; sewing machine.
581. Surplus on hand; house comfortably furnished; sewing machine; cow, pigs.
582. Surplus on hand; house comfortably furnished.
583. In debt; house comfortably furnished; sewing machine; garden; pigs.
584. In debt; house comfortably furnished; sewing machine, organ; garden; cow, pigs, and poultry.
585. Surplus on hand; house poorly furnished, except one room; garden, fruit; chickens.
586. In debt; a drunkard's home; one carpet, two portraits; garden; pigs and chickens.
587. Surplus in building and loan association; house well furnished.
588. Surplus on hand; house neat and well furnished.
589. Surplus invested in real estate.
590. Surplus on hand.
591. In debt; complain of low wages.
592. Surplus on hand; house well furnished.
593. Surplus in bank and building association; house poorly furnished.
594. In debt; house comfortably furnished; sewing machine; garden; cow.
595. Surplus invested in real estate; house comfortably furnished; garden; pigs.
596. Surplus on hand; house comfortably furnished; sewing machine; garden; cow, pigs, poultry.
597. Surplus on hand; house comfortably furnished; sewing machine.
598. Surplus paid on property; house comfortably furnished; sewing machine; garden; cow, poultry, and pigs.
599. Surplus paid on property and improvements; house comfortably furnished; sewing machine; garden; pigs and poultry.
600. In debt; house nicely furnished; four carpets, books, pictures; garden, fruit; cow, pigs, chickens.
601. Surplus on hand; house comfortably furnished; pictures; garden; pigs and chickens.
602. In debt; house unattractive and poorly furnished; a few books.
603. In debt; house neat, but poorly furnished; one hemp carpet.
604. Surplus on hand; house well kept; flower garden.
605. Surplus on hand; house well kept; a few chickens.
606. Surplus applied to old debts; live comfortably.
607. In debt; house well kept; a few chickens.
608. Surplus applied to old debts; house well kept.
609. Surplus on hand; live comfortably.
610. Surplus on hand; house untidy.
611. Surplus on hand; house comfortably furnished; sewing machine.
612. In debt; house poorly furnished; garden; cow, pigs, and poultry.
613. In debt; house comfortably furnished; sewing machine; garden; cow.
614. Surplus invested in real estate; house comfortably furnished; sewing machine.
615. Surplus invested in real estate; house comfortably furnished; sewing machine.
616. In debt; house comfortably furnished; sewing machine; small garden.
617. Surplus on hand; house comfortably furnished.
618. In debt; house comfortably furnished; sewing machine, organ and banjo; garden.
619. Surplus on hand; house comfortably furnished; sewing machine; garden; poultry.
620. Surplus invested in real estate; house comfortably furnished; sewing machine; pigs.
621. In debt; house barely furnished; sewing machine; garden; cow and pigs.
622. In debt; house comfortably furnished; a cornet.
623. In debt; house comfortably furnished; garden.
624. Surplus applied to old debts; house untidy.
625. Surplus applied to old debts; live comfortably; flower garden.
626. Surplus on hand; house comfortably furnished; garden.
627. Surplus in bank; house comfortably furnished; sewing machine; cow.
628. Surplus on hand; house comfortably furnished; sewing machine; garden; cow and pigs.
629. In debt; house comfortably furnished; sewing machine.
630. In debt; house comfortably furnished; sewing machine.
631. Surplus on hand; house comfortably furnished; sewing machine.
632. Surplus on hand; house comfortably furnished; sewing machine; garden; cow.
633. Surplus on hand; house comfortably furnished; sewing machine; garden; poultry.
634. Surplus on hand; house comfortably furnished.



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

635. In debt; house comfortably furnished; sewing machine.  
 636. Surplus invested in real estate; house comfortably furnished; sewing machine; garden; cow, pigs, and poultry.  
 637. Surplus on hand; house comfortably furnished; sewing machine; organ; cow, pigs, and poultry.  
 638. In debt; house comfortably furnished; sewing machine.  
 639. Surplus in bank; house comfortably furnished; pigs and poultry.  
 640. Surplus on hand; house comfortably furnished; sewing machine.  
 641. Surplus on hand; house comfortably furnished.  
 642. Surplus on hand; house comfortably furnished; sewing machine.  
 643. In debt; house comfortably furnished; poultry.  
 644. In debt; house comfortably furnished.  
 645. Surplus applied to pay old debts; house comfortably furnished; cow, pigs, and poultry.  
 646. In debt; house comfortably furnished; garden; cow and poultry.  
 647. Surplus on hand; house comfortably furnished; sewing machine; cow, pigs, and poultry.  
 648. Surplus paid on house and lots; house comfortably furnished; garden; pigs and poultry.  
 649. In debt; house comfortably furnished; sewing machine; cow and pigs.  
 650. In debt; house poorly furnished; garden; pigs.  
 651. Surplus on hand; house comfortably furnished; sewing machine; organ; garden; cow and pigs.  
 652. In debt; house comfortably furnished; sewing machine; garden; poultry.  
 653. Surplus used in building house; house poorly furnished; sewing machine; garden; cow and pigs.  
 654. Surplus on hand; house comfortably furnished; sewing machine; organ; garden; cow, poultry.  
 655. Surplus applied to improvements; house comfortably furnished; sewing machine; organ; garden; cow, pigs, and poultry.  
 656. Surplus on hand; house comfortably furnished; sewing machine; garden; pigs.  
 657. Surplus invested in real estate; house comfortably furnished; sewing machine; garden; cows, pigs, and poultry.  
 658. Surplus on hand; house comfortably furnished; sewing machine; garden; cow, pigs, poultry.  
 659. In debt; house comfortably furnished; sewing machine; garden; pigs and poultry.  
 660. In debt; house comfortably furnished; sewing machine; garden; pigs.  
 661. Surplus applied to old debts; house comfortably furnished; sewing machine; pigs.  
 662. Surplus used in improvements; own house, comfortably furnished; garden; cow, pigs, and poultry.  
 663. Surplus invested in real estate; own house, comfortably furnished; garden; cow, pigs, poultry.  
 664. Surplus invested in real estate; house comfortably furnished; sewing machine; pigs.  
 665. In debt; own house, comfortably furnished; cow and pigs.  
 666. Surplus on hand; house comfortably furnished; cow and pigs.  
 667. Surplus in bank; own house, comfortably furnished; sewing machine; piano; cow, pigs, poultry.  
 668. Surplus applied to old debts; own house, comfortably furnished; sewing machine; garden; cow, pigs, and poultry.  
 669. Surplus on hand; own house; a sewing machine; garden; pigs and poultry.  
 670. Surplus in bank; own house, comfortably furnished; garden; poultry.  
 671. Surplus on hand; house untidy; small vegetable garden; a few chickens.  
 672. In debt; spend money for table luxuries.  
 673. Surplus on hand; live comfortably.  
 674. Surplus on hand; house comfortably furnished; sewing machine.  
 675. Surplus on hand; house comfortably furnished; sewing machine; garden; poultry.  
 676. Surplus invested in lot.  
 677. In debt; small garden.  
 678. Surplus in savings bank; small vegetable garden.  
 679. In debt; small vegetable garden.  
 680. Surplus in savings bank; small vegetable garden.  
 681. In debt; small vegetable garden.  
 682. Surplus on hand; small vegetable garden.  
 683. Surplus on hand.  
 684. Surplus on hand.  
 685. Surplus on hand; own house; small vegetable garden; poultry.  
 686. In debt.  
 687. Surplus invested in real estate.  
 688. Surplus on hand.  
 689. Surplus on hand.  
 690. Surplus on hand; vegetable garden.  
 691. Surplus on hand; a few hogs and poultry.  
 692. Surplus on hand.  
 693. In debt.  
 694. Surplus in savings bank; poultry.  
 695. Surplus on hand; small vegetable garden.  
 696. Surplus on hand; cow.  
 697. Surplus on hand.  
 698. Surplus invested in real estate; neat house; pig.  
 699. In debt; house fairly well furnished; dogs.  
 700. Surplus on hand; house neat and comfortable.  
 701. Surplus on hand; company house; a cow, pig, and poultry.  
 702. In debt; company house; a cow, pig, and poultry.  
 703. In debt; a cow and pig.  
 704. Surplus on hand; small vegetable garden; cow, hogs, and poultry.  
 705. Surplus on hand; company house; neat and comfortable.  
 706. In debt; house comfortable; cow.  
 707. In debt.  
 708. Surplus on hand; own house; small garden; poultry.  
 709. Surplus in savings bank; small vegetable garden.  
 710. Surplus on hand.  
 711. Surplus in savings bank.  
 712. Surplus on hand; lives with father-in-law, who charges him no rent.



TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

713. In debt; small vegetable garden.
714. Surplus in savings bank.
715. In debt; miserable shanty, dirty and forlorn.
716. Surplus on hand; vegetable garden; a cow and poultry.
717. Surplus on hand; wife bedridden; house fairly comfortable.
718. Surplus on hand; house comfortable and neat; small garden.
719. Surplus invested in real estate; company house, comfortably furnished; cow, hogs, poultry.
720. Surplus applied to pay debts; company house, well furnished; hogs and poultry.
721. Surplus on hand; company house, moderately clean; hogs and poultry.
722. Surplus on hand; company house, poor; pigs and poultry.
723. Surplus invested in real estate; company house, rough surroundings.
724. Surplus on hand; vegetable garden.
725. Surplus on hand; company house; live well; nice garden; cow.
726. Surplus on hand; company house; vegetable garden.
727. In debt; house comfortably furnished.
728. Surplus on hand; house comfortably furnished.
729. In debt; house comfortably furnished; cow.
730. In debt; house comfortably furnished; garden; cow.
731. Surplus applied to pay old debts; house comfortably furnished; organ; small garden; cow.
732. Surplus on hand; house comfortably furnished.
733. Surplus on hand; house comfortably furnished; sewing machine; cow.
734. Surplus invested in real estate; house comfortably furnished; sewing machine; cow.
735. In debt; house barely furnished; sewing machine.
736. In debt; house comfortably furnished; sewing machine.
737. In debt; house barely furnished.
738. In debt; house comfortably furnished; small garden.
739. In debt; house comfortably furnished; sewing machine.
740. In debt; house comfortably furnished; sewing machine.
741. In debt; house comfortably furnished; sewing machine; small garden; chickens.
742. Surplus on hand; house barely furnished; sewing machine.
743. Surplus applied to paying old debts; house comfortably furnished; sewing machine; cow.
744. In debt; house comfortably furnished.
745. In debt; house comfortably furnished; sewing machine.
746. In debt; house comfortably furnished; sewing machine; small garden; cow.
747. Surplus on hand; house comfortably furnished.
748. In debt; house comfortably furnished; sewing machine.
749. In debt; house comfortably furnished; sewing machine.
750. Surplus on hand; house comfortably furnished; sewing machine.
751. In debt; house comfortably furnished; sewing machine.
752. In debt; house comfortably furnished; sewing machine.
753. Surplus invested in real estate; house comfortably furnished; sewing machine.
754. Surplus on hand.
755. Surplus on hand.
756. Surplus on hand; own house, valued at \$1,200.
757. Surplus on hand.
758. Surplus in bank; cow.
759. Surplus on hand.
760. Surplus in bank.
761. In debt; paying for house, valued at \$1,200.
762. Surplus on hand.
763. Surplus on hand.
764. Surplus on hand; nice little house; vegetable garden.
765. In debt; company house; vegetable garden.
766. In debt, cased by sickness.
767. Small surplus on hand; company house; vegetable garden.
768. Surplus in post office savings bank at 3½ per cent.; live comfortably.
769. In debt.
770. Small surplus; vegetable garden.
771. In debt; vegetable garden.
772. In debt; vegetable garden.
773. Surplus on hand; vegetable garden.
774. Accounts balance; brick house, nicely furnished.
775. Surplus on hand; house untidy.
776. Surplus on hand; good brick house, comfortably furnished.
777. Accounts balance.
778. Surplus on hand; house in back yard, poorly furnished, but clean.
779. Accounts balance; brick house in back yard, poorly furnished.
780. Accounts balance; brick house, clean and comfortable.
781. Surplus on hand; good home.
782. Surplus on hand; house in back lane, clean and comfortably furnished.
783. Accounts balance; nice brick house, well furnished.
784. Surplus in savings bank.
785. Accounts balance.
786. Surplus on hand; brick house, comfortably furnished.
787. Accounts balance.
788. Accounts balance; brick house, comfortably furnished.
789. Accounts balance; brick house, poorly furnished, but clean.
790. Surplus on hand; brick house, in good neighborhood.
791. Accounts balance; house comfortably furnished; garden.
792. Surplus on hand; house comfortably furnished.
793. Accounts balance; house comfortably furnished; garden.
794. Surplus on hand; good house and garden.
795. Surplus on hand; house clean and comfortably furnished.

## TABLE XIX.—PIG IRON: COST OF LIVING, BY FAMILIES—Concluded.

## G.—REMARKS—Concluded.

- 796. Accounts balance; house comfortably furnished.
- 797. Accounts balance; good brick house, with small yard.
- 798. Surplus on hand; good brick house.
- 799. Surplus on hand; hard worker, house poorly furnished.
- 800. Surplus on hand.
- 801. Accounts balance.
- 802. Surplus on hand.
- 803. Surplus on hand.
- 804. Accounts balance.
- 805. Accounts balance.
- 806. Accounts balance.
- 807. Surplus on hand.
- 808. Surplus on hand.
- 809. Surplus on hand.
- 810. Surplus in bank.
- 811. Accounts balance.
- 812. Accounts balance.
- 813. Surplus on hand.
- 814. Accounts balance; small garden of flowers, herbs, and vegetables.
- 815. Accounts balance.
- 816. Accounts balance.
- 817. In debt.
- 818. Accounts balance.
- 819. Surplus on hand.
- 820. Accounts balance.
- 821. Accounts balance; small garden.
- 822. Surplus on hand; neat house, comfortably furnished.
- 823. Accounts balance; house comfortably furnished; garden.
- 824. Accounts balance; house comfortably furnished; garden.
- 825. Surplus on hand; good house.
- 826. Accounts balance; house comfortably furnished.
- 827. Accounts balance; house comfortably furnished; garden.
- 828. Surplus in bank; house comfortably furnished; garden.
- 829. Accounts balance; house clean, and comfortably furnished.
- 830. Surplus in bank; good house and garden.
- 831. Accounts balance; house poorly furnished; garden.
- 832. In debt; house comfortably furnished.
- 833. Surplus in bank; house comfortably furnished; garden.
- 834. Accounts balance; house comfortably furnished; garden.
- 835. Accounts balance; good house and garden.
- 836. Surplus on hand; garden.
- 837. Surplus in bank; house comfortably furnished.
- 838. Small surplus; house clean, fairly well furnished; small vegetable garden.

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES.

## A.—DESCRIPTION OF THE FAMILY.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Hnsband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
839	Alabama	American.	Straightener.....	Home	1	1				4
840	do	American.	Driver.....	Home			1			3
841	do	American.	Cinderman.....	Home		4		1	1	8
842	do	American.	Weighman.....	Home						2
843	do	American.	Foreman, track.....	Home		2	1		5	10
844	do	American.	Teamster.....	Home		1				3
845	do	American.	Cinder wheeler.....	Home		1				3
846	do	American.	Blacksmiths' helper.....	Home	2		2			6
847	do	American.	Timekeeper.....	Home			3			5
848	do	American.	Hooker-up.....	Home			3		3	8
849	do	American.	Drag-out.....	Home			1		1	4
850	do	American.	Drag-out.....	Home					1	3
851	do	American.	Fireman.....	Home			2		2	6
852	do	American.	Heaters' helper.....	Home		1	2			5
853	do	American.	Plate heater.....	Home		1	1			4
854	do	American.	Heater.....	Home		2	1	2		7
855	do	American.	Heater.....	Home			2			4
856	do	American.	Heater.....	Home	2	2	1			7
857	do	American.	Roller.....	Home			1	1	2	6
858	do	American.	Roller.....	Home				1		3
859	do	American.	Roller.....	Home		1	1			4
860	do	American.	Puddlers' helper.....	Home			2			4
861	do	American.	Puddler.....	Home	1	2	2			7
862	do	American.	Puddler.....	Home			2			4
863	do	American.	Puddler.....	Home			2			4
864	do	American.	Puddler.....	Home		3	2			7
865	do	American.	Puddler.....	Home		2	2			6
866	do	American.	Puddler.....	Home			2			4
867	do	English.	Roller and rougher.....	Home		2	3		1	8
868	do	English.	Puddler.....	Home			2	1		5
869	do	German.	Masons' helper.....	Home					2	4
870	do	German.	Furnace helper.....	Home		1	1		1	5
871	do	Irish.	Foreman, masons.....	Home		3	4	1		10
872	do	Irish.	Roller.....	Home		1		1		4
873	do	Irish.	Puddlers' helper.....	Home			2	1		5
874	do	Irish.	Puddlers' helper.....	Home		4	1	1		8
875	do	Irish.	Puddler.....	Home			1			3
876	do	Irish.	Puddler.....	Home		1	2			5
877	do	Welsh.	Iron handler.....	Home	1		5		1	9
878	Illinois	American.	Heater.....	Home		2	1		1	6
879	do	American.	Heater.....	Home		1	2			5
880	do	American.	Nailer.....	Home			2			4
881	do	American.	Shearman.....	Home			2			4
882	do	American.	Machinist.....	Home			1			3
883	do	American.	Puddler and helper.....	Home						2
884	do	American.	Laborer.....	Home				1		3
885	do	American.	Laborer.....	Home						2
886	do	American.	Hooker.....	Home			1	1		3
887	do	American.	Laborer.....	Home			1		1	4
888	do	American.	Hooker-up.....	Home			2		1	5
889	do	American.	Puddler.....	Home	1		1	4		8
890	do	American.	Foreman, laborers.....	Home			3	3		8
891	do	American.	Catcher.....	Home						2
892	do	Austrian.	Cinderman.....	Home		3	2			7
893	do	Canadian.	Catcher.....	Home			1			3
894	do	Canadian.	Fireman.....	Home						2
895	do	English.	Heater.....	Home			1			3
896	do	English.	Engineer.....	Home			2			4
897	do	English.	Machinist.....	Home		2	2			6
898	do	English.	Heater.....	Home	2	3	1			8
899	do	English.	Roller.....	Home		5	1			8
900	do	English.	Watchman.....	Home	1		1			3
901	do	English.	Puddlers' helper.....	Home	3			4		9
902	do	English.	Contractor.....	Home					1	3
903	do	English.	Shearman.....	Home	1			2	1	6
904	do	English.	Puddler.....	Home			1	5		8
905	do	English.	Puddlers' helper.....	Home					1	3
906	do	English.	Roll hand and rougher.....	Home			1	3		6
907	do	French.	Puddler.....	Home			3	2		7
908	do	French.	Puddlers' helper.....	Home						2
909	do	German.	Shearman's helper.....	Home		3				5



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
910	Illinois.....	German.....	Shearman.....	Home.....		1				3
911	do.....	German.....	Laborer.....	Home.....				3	4	9
912	do.....	German.....	Heater.....	Home.....						2
913	do.....	German.....	Shearman's helper.....	Home.....			1			3
914	do.....	German.....	Foreman, gashouse.....	Home.....		2	2			6
915	do.....	German.....	Laborer.....	Home.....	1				3	6
916	do.....	German.....	Laborer.....	Home.....				2		4
917	do.....	German.....	Helper.....	Home.....				4		6
918	do.....	German.....	Laborer.....	Home.....	1			1		4
919	do.....	German.....	Piler.....	Home.....			3	2		7
920	do.....	German.....	Shearman.....	Home.....			2	1		5
921	do.....	Irish.....	Puddler.....	Home.....		3	2			7
922	do.....	Irish.....	Roller.....	Home.....			2	4		8
923	do.....	Irish.....	Puddler.....	Home.....	1					3
924	do.....	Irish.....	Blacksmiths' helper.....	Home.....			2			4
925	do.....	Irish.....	Heaters' helper.....	Home.....			1			3
926	do.....	Scotch.....	Machinist.....	Home.....		1	2			5
927	do.....	Scotch.....	Puddler.....	Home.....			2			4
928	do.....	Swedish.....	Cinderman.....	Home.....			1	2		5
929	do.....	Welsh.....	Puddler.....	Home.....		2				4
930	do.....	Welsh.....	Blacksmith.....	Home.....	1		1			4
931	do.....	Welsh.....	Blacksmiths' helper.....	Home.....	1	5	2			10
932	do.....	Welsh.....	Roll turner.....	Home.....		1	1	2		6
933	do.....	Welsh.....	Blacksmith.....	Home.....		4	2			8
934	do.....	Welsh.....	Roll turner.....	Home.....						2
935	do.....	Welsh.....	Engineer.....	Home.....		1	1			4
936	do.....	Welsh.....	Catcher.....	Home.....						2
937	do.....	Welsh.....	Roller.....	Home.....		5			1	8
938	do.....	Welsh.....	Rougher.....	Home.....			3	2		7
939	do.....	Welsh.....	Poke-in.....	Home.....			1			3
940	do.....	Welsh.....	Heater.....	Home.....	2		2	3		9
941	do.....	Welsh.....	Heater.....	Home.....	1			3		6
942	do.....	Welsh.....	Catcher.....	Home.....			1	2		4
943	do.....	Welsh.....	Fireman.....	Home.....			1	2		5
944	do.....	Welsh.....	Puddler.....	Home.....			1	1		4
945	do.....	Welsh.....	Foreman.....	Home.....						2
946	New York.....	American.....	Puddler.....	Home.....	1	1				4
947	do.....	American.....	Puddler.....	Home.....			1	1		4
948	do.....	American.....	Puddler.....	Home.....						2
949	do.....	American.....	Heater.....	Home.....						2
950	do.....	English.....	Puddler.....	Home.....				1		3
951	do.....	English.....	Puddler.....	Home.....	2	1	1		1	7
952	do.....	English.....	Puddler.....	Home.....			4	2		8
953	do.....	English.....	Puddler.....	Home.....	2		1	2		7
954	do.....	English.....	Puddler.....	Home.....	1	3	1			7
955	do.....	English.....	Puddlers' helper.....	Home.....	4		2	2	2	12
956	do.....	English.....	Puddlers' helper.....	Home.....			1			3
957	do.....	English.....	Puddlers' helper.....	Home.....	3	3	2			10
958	do.....	English.....	Puddlers' helper.....	Work.....			2		2	6
959	do.....	English.....	Gasmaker.....	Home.....	3	1	1		1	8
960	do.....	English.....	Gasmaker.....	Home.....			2			4
961	do.....	English.....	Heaters' helper.....	Home.....	4	2	2			10
962	do.....	English.....	Leveller.....	Home.....					1	3
963	do.....	English.....	Blacksmith.....	Home.....			2			4
964	do.....	English.....	Mason.....	Home.....	3	3	1	1		10
965	do.....	English.....	Laborer.....	Home.....		3	1			6
966	do.....	English.....	Cinderman.....	Home.....	1				1	4
967	do.....	English.....	Rougher.....	Home.....	2					4
968	do.....	French.....	Puddler.....	Home.....	1	2				7
969	do.....	Irish.....	Blacksmiths' helper.....	Home.....	2		2	2		8
970	do.....	Irish.....	Laborer.....	Home.....	4		2	3		11
971	do.....	Irish.....	Puddler.....	Home.....			2		2	6
972	do.....	Irish.....	Puddlers' helper.....	Home.....	3				2	7
973	do.....	Irish.....	Puddlers' helper.....	Home.....	2	4	2			10
974	do.....	Irish.....	Rollers' helper.....	Home.....			2	1		5
975	do.....	Irish.....	Gasmaker.....	Home.....	4	2	1	1		10
976	do.....	Irish.....	Weigher.....	Home.....	3	3	2			10
977	do.....	Irish.....	Watchman.....	Home.....	3		1		1	6
978	do.....	Irish.....	Masons' helper.....	Home.....	3	3	2		2	12

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bnd- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At homo.	Un- known.		
979	New York	Irish	Teamster	Home	1	1		1	1	6
980	do	Irish	Catcher	Home			2			4
981	do	Scotch	Puddler	Home			3			5
982	do	Scotch	Puddlers' helper	Home	2					4
983	do	Scotch	Machinist	Home						2
984	do	Scotch	Roller	Home			2			4
985	do	Scotch	Scrapman	Home		1		1		4
986	do	Swedish	Charger	Home	1	1	2	1	1	8
987	Ohio	American	Weigher	Home		1	1			4
988	do	American	Foreman, stockers	Home		3	1			6
989	do	American	Rougher	Home						2
990	do	American	Puddlers' helper	Home						2
991	do	American	Puddler	Home						2
992	do	American	Puddler	Home		1	1		1	5
993	do	American	Puddlers' helper	Home			1			3
994	do	American	Puddlers' helper	Home		5	2			9
995	do	American	Puddler	Home		1	1			4
996	do	American	Puddler	Home			1			3
997	do	American	Puddler	Home			2			4
998	do	American	Heater	Home	1	3	2		1	9
999	do	American	Laborer and shear- men's helper.	Home	1	2	1			6
1000	do	American	Laborer	Home					3	5
1001	do	American	Foreman, laborers	Home			3			5
1002	do	American	Watchman	Home						2
1003	do	American	Millwright	Home			2			4
1004	do	American	Fireman	Home		1	2			5
1005	do	American	Engineer	Home			1			3
1006	do	American	Engineer	Home						2
1007	do	American	Engineer	Home						2
1008	do	American	Blacksmith	Home	1	3	2			8
1009	do	American	Heaters' helper	Home		1				3
1010	do	American	Puddler	Home		1				3
1011	do	American	Puddler	Work		3	1			6
1012	do	American	Puddler	Home					1	3
1013	do	American	Puddlers' helper	Home	1	3				6
1014	do	American	Puddlers' helper	Home			2			4
1015	do	American	Puddler	Home		2	2			6
1016	do	American	Shearman	Home		1	2			5
1017	do	American	Shearmen's helper	Home		4	2			8
1018	do	American	Roller	Home						2
1019	do	American	Rougher	Home			3			5
1020	do	American	Rougher	Home			2			4
1021	do	American	Rougher	Home						2
1022	do	American	Rougher	Home						2
1023	do	American	Helper and laborer	Home		4	2			8
1024	do	American	Laborer	Home			2			4
1025	do	American	Shearman	Home		2				4
1026	do	American	Weighmaster	Home		1	3			6
1027	do	American	Shipping clerk	Home		3	2			7
1028	do	American	Heater	Home		1	1			4
1029	do	American	Heater	Home			1			3
1030	do	American	Engineer	Home		1	1			4
1031	do	American	Rougher	Home			1			3
1032	do	American	Roller	Home		2				4
1033	do	American	Laborer	Home	1	3	2			8
1034	do	American	Puddler	Home		2	4			8
1035	do	American	Laborer	Home	1	4				10
1036	do	American	Roller	Home			1			3
1037	do	American	Heater	Home			1			3
1038	do	American	Engineer	Home						2
1039	do	American	Engineer	Home			1			3
1040	do	American	Hammerman	Home			1			3
1041	do	American	Heater	Home			3			5
1042	do	American	Rougher	Home		4	1	1	1	9
1043	do	American	Puddlers' helper	Work		1	2			5
1044	do	American	Heater	Home		5	2			9
1045	do	American	Engineer	Home			1			3
1046	do	American	Puddlers' helper	Home	1					3
1047	do	American	Puddler	Home		2				4
1048	do	American	Puddler	Home		1				3
1049	do	American	Fireman	Home			1			3

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget number.	Locality.	Nationality.	Occupation or condition of—						Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Unknown.		
1050	Ohio	American.	Laborer	Home		1	2			5
1051	do	American.	Laborer	Home			3			5
1052	do	American.	Laborer	Home	1					3
1053	do	American.	Puddler	Home		3	2			7
1054	do	American.	Puddler	Home	3	1				6
1055	do	American.	Puddler	Home		1	1			4
1056	do	American.	Puddler, boss	Home		1	1			4
1057	do	American.	Puddlers' helper	Home		2	1			5
1058	do	English	Puddler	Home			1		2	5
1059	do	English	Puddlers' helper	Home			1		2	5
1060	do	English	Scrapper	Home		5	2			9
1061	do	English	Scrapper	Home			1			3
1062	do	English	Blacksmith	Home		3				5
1063	do	English	Fagotmaker	Home						2
1064	do	English	Heater	Home		1				3
1065	do	English	Roller	Home		3	2			7
1066	do	English	Puddler	Home						2
1067	do	English	Laborer	Home		4	2		1	9
1068	do	English	Roller	Home						2
1069	do	French	Laborer	Home						2
1070	do	French	Laborer	Home		2	3			7
1071	do	French	Shearman	Home		3	2			7
1072	do	German	Puddler	Home	1	3	1		1	8
1073	do	German	Laborer	Home			1			3
1074	do	German	Roller	Home		4	3			9
1075	do	German	Heaters' helper	Home			1			3
1076	do	German	Heater	Home			1	1		4
1077	do	German	Rougher	Home			2			4
1078	do	German	Laborer	Home			2			4
1079	do	German	Puddler	Home			2		1	5
1080	do	German	Engineer	Home		2	2			6
1081	do	German	Cinderman	Home		2				4
1082	do	German	Stocker	Home		3	3			8
1083	do	German	Laborer	Home	1	3	2			8
1084	do	German	Engineer	Home			1	1		4
1085	do	German	Heater	Home		2				4
1086	do	German	Engineer	Home			2			4
1087	do	German	Heater	Home	1	4	2			9
1088	do	German	Heaters' helper	Home		3	2			7
1089	do	Irish	Heaters' helper	Home	2	3			3	10
1090	do	Irish	Puddler	Home		1	1			4
1091	do	Irish	Roller	Home			2			4
1092	do	Irish	Roller	Home			2			5
1093	do	Irish	Heater	Home		3	3		1	8
1094	do	Irish	Puddler	Home						2
1095	do	Irish	Roller	Home			1			3
1096	do	Irish	Puddler	Home		2				4
1097	do	Irish	Engineer	Home		2			2	6
1098	do	Irish	Finisher	Home			1			3
1099	do	Irish	Puddler	Home	1		1	1		5
1100	do	Irish	Heater	Home			3			5
1101	do	Irish	Heaters' helper	Home			2			4
1102	do	Irish	Puddler	Home		5	2			9
1103	do	Irish	Heater	Home		1	1			4
1104	do	Irish	Shearman	Home		1				3
1105	do	Irish	Drag-out	Home		1	3			6
1106	do	Scotch	Machinist	Home		2	3			7
1107	do	Welsh	Puddler	Home	1		2			5
1108	do	Welsh	Puddler	Home	1					3
1109	do	Welsh	Roller	Home		4	1		1	8
1110	do	Welsh	Heater	Home		1				3
1111	do	Welsh	Roller	Home			1			3
1112	do	Welsh	Puddler	Home		4				6
1113	do	Welsh	Shearman's helper	Home	1		2			5
1114	do	Welsh	Puddler	Home						2
1115	do	Welsh	Puddlers' helper	Home						2
1116	do	Welsh	Puddler	Home		2				4
1117	do	Welsh	Roller	Home	1					4
1118	do	Welsh	Puddler	Home		5	3			10
1119	do	Welsh	Fagotmaker	Home			1			3
1120	do	Welsh	Puddler	Home			1			3
1121	do	Welsh	Heater	Home			1			3
1122	do	Welsh	Heater	Home		6	1			8



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1123	Ohio	Welsh	Pnddler	Home		4				6
1124	do	Welsh	Pnddler	Home		1	1			4
1125	do	Welsh	Rougher	Home		4	3		1	10
1126	do	Welsh	Rougher	Home			1			3
1127	Pennsyl'ia	American	Driver	Home		1	2			5
1128	do	American	Gasmaker	Home			1			2
1129	do	American	Helper	Home						2
1130	do	American	Helper	Home						2
1131	do	American	Helper	Home		1	3			6
1132	do	American	Helper	Home			4			6
1133	do	American	Pitman	Home						2
1134	do	American	Stocker	Home		1	2			5
1135	do	American	Stocker	Home			2			4
1136	do	American	Stoveman	Home		2	1			5
1137	do	American	Weigher	Home						2
1138	do	American	Laborer	Home			3			5
1139	do	American	Laborer	Home		3	1			6
1140	do	American	Laborer	Home			1			3
1141	do	American	Watchman	Home					1	3
1142	do	American	Furnace helper	Home					1	3
1143	do	American	Roller	Home		1	1		1	5
1144	do	American	Roller	Home		1	1		1	5
1145	do	American	Roller	Home	1		1			4
1146	do	American	Laborer	Home	1					4
1147	do	American	Puddler	Home			3			5
1148	do	American	Pnddler	Home					1	3
1149	do	American	Puddler	Home		1	2		2	7
1150	do	American	Pnddler's helper	Home		1	2			5
1151	do	American	Roller	Home		1	1			4
1152	do	American	Screwman	Home			2			4
1153	do	American	Screwman	Home			3			5
1154	do	American	Blacksmith	Home		3	1			6
1155	do	American	Helper	Home			2			4
1156	do	American	Helper	Home			2			4
1157	do	American	Laborer	Home						2
1158	do	American	Laborer	Home			1			3
1159	do	American	Laborer	Home				2		4
1160	do	American	Laborer	Home					1	3
1161	do	American	Laborer	Home						4
1162	do	American	Machinist	Home		2	2			6
1163	do	American	Machinist	Home		1	1			4
1164	do	American	Machinist	Home		3	1		1	7
1165	do	American	Puddler	Home		2				4
1166	do	American	Puddler	Home		2				4
1167	do	American	Puddler	Home		3	1			6
1168	do	American	Puddler	Home		1	2			5
1169	do	American	Weighman	Home			1			
1170	do	American	Weighman	Home		3	1			6
1171	do	American	Blacksmith	Home		1				3
1172	do	American	Carpenter	Home		1	2			5
1173	do	American	Catcher	Home			1			3
1174	do	American	Catcher	Home	1	1	2	1		7
1175	do	American	Heater	Home			1			3
1176	do	American	Laborer	Home	1	1				4
1177	do	American	Puddler	Home		2	1		1	6
1178	do	American	Roller	Home		1	1		1	5
1179	do	American	Screwman	Home			2			5
1180	do	American	Screwman	Home		1	2			5
1181	do	American	Blacksmith	Home		2	1			5
1182	do	American	Catcher	Home						2
1183	do	American	Engineer	Home		1				3
1184	do	American	Heater	Home			1			3
1185	do	American	Heater	Home		2				5
1186	do	American	Puddler	Home			1	3	1	7
1187	do	American	Sbearman	Home			3			5
1188	do	American	Puddler	Home		3	1		1	7
1189	do	American	Blacksmith	Home		1	2			5
1190	do	American	Blacksmiths' helper	Home		2	1			5
1191	do	American	Buggyman	Home						4
1192	do	American	Catcher	Home			3		1	6
1193	do	American	Catcher	Home		2	1			5
1194	do	American	Drag-out	Home		1	1			4
1195	do	American	Heater	Home		4	1			7

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	At work.	At school.	At home.	Un- known.	
1196	Pennsylvania.	American.	Heaters' helper	Home			1		3
1197	do	American.	Heaters' helper	Home		2			4
1198	do	American.	Helper	Home			1		3
1199	do	American.	Helper	Home			1		3
1200	do	American.	Helper	Home		1	2		5
1201	do	American.	Laborer	Home					2
1202	do	American.	Laborer	Home			1		3
1203	do	American.	Laborer	Home		2	1		5
1204	do	American.	Laborer	Home					2
1205	do	American.	Laborer	Home					2
1206	do	American.	Lever man	Home		3	1		6
1207	do	American.	Lever man	Home			2		4
1208	do	American.	Lever man	Home		2	2	1	7
1209	do	American.	Puddler	Home		2	2		6
1210	do	American.	Puddlers' helper	Home			1		3
1211	do	American.	Roller	Home		1		1	4
1212	do	American.	Shearman	Home		1	2		5
1213	do	American.	Stocker	Home		3	1		6
1214	do	American.	Stocker	Home			3		5
1215	do	American.	Iron stocker	Home			1		3
1216	do	American.	Weighter	Home			1		3
1217	do	American.	Blacksmith	Home					2
1218	do	American.	Carpenter	Home		1			3
1219	do	American.	Catcher	Home			1		3
1220	do	American.	Catcher	Home		2			4
1221	do	American.	Engineer	Home	1	1			4
1222	do	American.	Engineer	Home		2	1		5
1223	do	American.	Foreman, laborers	Home		1	1		4
1224	do	American.	Heater	Home		1	2		5
1225	do	American.	Heater	Home		3			5
1226	do	American.	Heaters' helper	Home			1	1	4
1227	do	American.	Laborer	Home		1			3
1228	do	American.	Laborer	Home	1	2	2		7
1229	do	American.	Laborer	Home			1	1	4
1230	do	American.	Laborer	Home					2
1231	do	American.	Laborer	Home	1	1		1	5
1232	do	American.	Puddler	Home		1	1		4
1233	do	American.	Puddler	Home		1	1		4
1234	do	American.	Puddler	Home	1	3	1		7
1235	do	American.	Puddler	Home		3	1		6
1236	do	American.	Puddler	Home			2		4
1237	do	American.	Puddler	Home	2	2	2		8
1238	do	American.	Puddler	Home		1	2		5
1239	do	American.	Puddler	Home					2
1240	do	American.	Puddler	Home					2
1241	do	American.	Puddler	Home		3	1		6
1242	do	American.	Puddler	Home			1	1	4
1243	do	American.	Roller	Home	1	1	2		6
1244	do	American.	Roller	Home		3	1		7
1245	do	American.	Roller	Home		2	1	1	7
1246	do	American.	Roller	Home		1	2	2	5
1247	do	American.	Roller	Home		2	1		5
1248	do	American.	Roller	Home		4	2		8
1249	do	American.	Screwman	Home					2
1250	do	American.	Stocker	Home		1	2		5
1251	do	American.	Trimmer	Home		1			5
1252	do	American.	Trimmers' helper	Home					3
1253	do	American.	Water man	Home			2		4
1254	do	American.	Heater	Home			3		5
1255	do	American.	Helper	Home				1	3
1256	do	American.	Laborer	Home					2
1257	do	American.	Laborer	Home	1	2	3		8
1258	do	American.	Laborer	Home		2	2		6
1259	do	American.	Roller and rollers' helper	Home		1	1		4
1260	do	American.	Helper	Home		1	2		5
1261	do	American.	Helper	Home		3			5
1262	do	American.	Helper	Home		3	1		6
1263	do	American.	Helper	Home		1	1		4
1264	do	American.	Helper	Home			3		5
1265	do	American.	Laborer	Home			1		3
1266	do	American.	Laborer	Home					2
1267	do	American.	Laborer	Home			1		3

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.				
					At work.	At school.	At homo.	Un- known.	
1268	Pennsylvania.	American.	Puddler.....	Home		4	1		7
1269	do	English.	Driver.....	Home					2
1270	do	English.	Helper.....	Home			1		3
1271	do	English.	Stocker.....	Home				1	3
1272	do	English.	Catcher.....	Home		2			4
1273	do	English.	Heater.....	Home				1	3
1274	do	English.	Heater.....	Home		1	2		5
1275	do	English.	Engineer.....	Home					2
1276	do	English.	Helper.....	Home			3		5
1277	do	English.	Laborer.....	Home		3	1		6
1278	do	English.	Machinist.....	Home		3		1	6
1279	do	English.	Piler.....	Home		4	1		7
1280	do	English.	Puddler.....	Home			1		3
1281	do	English.	Puddler.....	Home		2			4
1282	do	English.	Roller.....	Home		1	1		4
1283	do	English.	Watchman.....	Home					2
1284	do	English.	Roller.....	Home			3		5
1285	do	English.	Rollers' helper.....	Home			4		6
1286	do	English.	Rougher.....	Home			1		3
1287	do	English.	Steel worker.....	Home		1	1		4
1288	do	English.	Buggyman.....	Home	1	1		1	5
1289	do	English.	Heater.....	Home		3	2	1	8
1290	do	English.	Laborer.....	Home	1				3
1291	do	English.	Laborer.....	Home	1	1	1		5
1292	do	English.	Laborer.....	Home			1		3
1293	do	Fr. Canad.	Puddler.....	Home		1	1		4
1294	do	German.	Engineer.....	Home		3	1	1	7
1295	do	German.	Foreman.....	Home		3	3		8
1296	do	German.	Watchman.....	Home		2	1	1	6
1297	do	German.	Helper.....	Home		1	2	1	6
1298	do	German.	Laborer.....	Home			1		3
1299	do	German.	Laborer.....	Home			2		4
1300	do	German.	Catcher.....	Home		2		1	5
1301	do	German.	Laborer.....	Home					2
1302	do	German.	Packer.....	Home			2	1	5
1303	do	German.	Puddler.....	Home					2
1304	do	German.	Heater.....	Home		2	2		6
1305	do	German.	Carpenter.....	Home		1		1	4
1306	do	German.	Laborer.....	Home			1		3
1307	do	German.	Foreman.....	Home		2	2		6
1308	do	German.	Foreman.....	Home					2
1309	do	German.	Laborer.....	Home					2
1310	do	German.	Puddler.....	Home		3	2	1	8
1311	do	German.	Puddler.....	Home					2
1312	do	German.	Catcher.....	Home		3	1		6
1313	do	German.	Catcher.....	Home		2	1		5
1314	do	German.	Catcher.....	Home		2			4
1315	do	German.	Iron handler.....	Home		2		1	5
1316	do	German.	Laborer.....	Home					2
1317	do	German.	Laborer.....	Home	1		1	2	6
1318	do	German.	Puddler.....	Home		1	1		4
1319	do	German.	Puddler.....	Home		1			3
1320	do	German.	Puddler.....	Home		1	1		4
1321	do	German.	Water tender.....	Home					2
1322	do	German.	Laborer.....	Home		2	1		5
1323	do	German.	Laborer.....	Home					2
1324	do	German.	Puddler.....	Home		5			7
1325	do	German.	Filler.....	Home	1	3	3		9
1326	do	Irish.	Watchman.....	Home					2
1327	do	Irish.	Weighman.....	Home		3			5
1328	do	Irish.	Filler, top.....	Home			2		4
1329	do	Irish.	Helper.....	Home					2
1330	do	Irish.	Cindorman.....	Home				1	3
1331	do	Irish.	Cindorman.....	Home			2		4
1332	do	Irish.	Laborer.....	Home					2
1333	do	Irish.	Helper.....	Home			4		6
1334	do	Irish.	Furnace helper.....	Home			1	1	3
1335	do	Irish.	Lever man.....	Home			1		3
1336	do	Irish.	Helper.....	Home			2		4
1337	do	Irish.	Laborer.....	Home		2	1		5
1338	do	Irish.	Laborer.....	Home					2
1339	do	Irish.	Watchman.....	Home					2



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—				Board- ers and others.	Total pers- ons in family.	
			Husband.	Wife at home or at work.	Children.				
					At work.	At school.	At home.	Un- known.	
1340	Pennsylv'ia.	Irish.....	Laborer .....	Home .....					2
1341	do .....	Irish.....	Puddler .....	Home .....		2	1	1	6
1342	do .....	Irish.....	Lever man .....	Home .....					4
1343	do .....	Irish.....	Hammerman .....	Home .....			2		4
1344	do .....	Irish.....	Heater .....	Home .....			3		5
1345	do .....	Irish.....	Machinist .....	Home .....	1		1	1	5
1346	do .....	Irish.....	Pnddler .....	Home .....			2		4
1347	do .....	Irish.....	Shearman .....	Home .....	1	3	3		9
1348	do .....	Irish.....	Weighmaster .....	Home .....		3	2		7
1349	do .....	Irish.....	Catcher .....	Home .....					2
1350	do .....	Irish.....	Helper .....	Home .....					2
1351	do .....	Irish.....	Helper .....	Home .....					2
1352	do .....	Irish.....	Puddler .....	Home .....		3	1	1	7
1353	do .....	Irish.....	Laborer .....	Home .....					2
1354	do .....	Irish.....	Weigher .....	Home .....					2
1355	do .....	Irish.....	Puddler .....	Home .....			1		3
1356	do .....	Irish.....	Blacksmith .....	Home .....		1	1		4
1357	do .....	Irish.....	Engineer .....	Home .....	1	4			7
1358	do .....	Irish.....	Heater .....	Home .....		4	1		7
1359	do .....	Irish.....	Laborer .....	Home .....					2
1360	do .....	Irish.....	Laborer .....	Home .....		1		1	4
1361	do .....	Irish.....	Puddler .....	Home .....				1	3
1362	do .....	Irish.....	Pnddler .....	Home .....					2
1363	do .....	Irish.....	Puddler .....	Home .....	1	2	1		6
1364	do .....	Irish.....	Puddler .....	Home .....					2
1365	do .....	Irish.....	Puddler .....	Home .....					2
1366	do .....	Irish.....	Roller .....	Home .....		1	1		4
1367	do .....	Irish.....	Screwman .....	Home .....		1			3
1368	do .....	Irish.....	Cinderman .....	Home .....	2	3	4	1	15
1369	do .....	Irish.....	Filler .....	Home .....			2		4
1370	do .....	Irish.....	Filler .....	Home .....		4	3		9
1371	do .....	Irish.....	Filler .....	Home .....					2
1372	do .....	Irish.....	Filler .....	Home .....	3	1		1	7
1373	do .....	Irish.....	Furnace helper .....	Home .....		3	1	1	7
1374	do .....	Irish.....	Keeper .....	Home .....	3	3	2		10
1375	do .....	Irish.....	Laborer .....	Home .....	1	2		2	7
1376	do .....	Irish.....	Laborer .....	Home .....	1	4		1	8
1377	do .....	Irish.....	Laborer .....	Home .....	4	2	3		11
1378	do .....	Irish.....	Laborer .....	Home .....			1	1	4
1379	do .....	Irish.....	Laborer .....	Home .....		3	2		7
1380	do .....	Irish.....	Casthouse man .....	Home .....	1	3			6
1381	do .....	Irish.....	Casthouse man .....	Home .....	1	4			7
1382	do .....	Irish.....	Stockhouse man .....	Home .....					2
1383	do .....	Irish.....	Laborer .....	Home .....		1	1		4
1384	do .....	Irish.....	Laborer .....	Home .....		3			5
1385	do .....	Irish.....	Laborer .....	Home .....		1	1		4
1386	do .....	Italian.....	Laborer .....	Home .....		3			5
1387	do .....	Italian.....	Laborer .....	Work .....		1	1		4
1388	do .....	Polish.....	Catcher .....	Home .....		1	2		5
1389	do .....	Polish.....	Laborer .....	Work .....			2		4
1390	do .....	Polish.....	Laborer .....	Home .....	2				4
1391	do .....	Scotch.....	Roller .....	Home .....			2	1	5
1392	do .....	Scotch.....	Catcher .....	Home .....		1		1	4
1393	do .....	Swedish.....	Laborer .....	Home .....					2
1394	do .....	Welsh.....	Finisher .....	Home .....			2		4
1395	do .....	Welsh.....	Foreman, pnddlers .....	Home .....					2
1396	do .....	Welsh.....	Rougher .....	Home .....					2
1397	do .....	Welsh.....	Catcher .....	Home .....	1		5		8
1398	do .....	Welsh.....	Engineer .....	Home .....		2			4
1399	do .....	Welsh.....	Filler .....	Home .....	1	3	1		7
1400	do .....	Welsh.....	Helper .....	Home .....		3	2	1	8
1401	do .....	Welsh.....	Holper .....	Home .....		2	1		5
1402	do .....	Welsh.....	Iron breaker .....	Home .....			2		4
1403	do .....	Welsh.....	Laborer .....	Home .....		2	4		8
1404	Tennessee.	American.	Shearman .....	Home .....		1		3	6
1405	do .....	American.	Pnddler .....	Home .....					2
1406	do .....	American.	Pnddler .....	Home .....			1	2	5
1407	do .....	American.	Puddler .....	Home .....		1	3		6
1408	do .....	American.	Blacksmith .....	Home .....	1	2	2	1	8
1409	do .....	American.	Heaters' helper .....	Home .....			4	1	7
1410	do .....	American.	Buggyman .....	Home .....				1	3
1411	do .....	American.	Laborer .....	Home .....			2		4
1412	do .....	American.	Buggyman .....	Home .....			1		3

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1413	Tennessee	American.	Machinist	Home			3		2	7
1414	do	American.	Puddlers' helper	Home					1	3
1415	do	American.	Puddler	Home						2
1416	do	American.	Laborer	Home						2
1417	do	American.	Puddlers' helper	Home						2
1418	do	American.	Buggyman	Home						2
1419	do	American.	Puddler	Home		1	1			4
1420	do	American.	Shearman	Home		3	2		5	12
1421	Virginia	American.	Puddler	Home		2			3	7
1422	do	American.	Nail cutter	Work						2
1423	do	American.	Puddler	Work		2	2			6
1424	do	American.	Puddler	Home	2	1	2	2		9
1425	do	American.	Puddler	Home			1			3
1426	do	American.	Puddlers' helper	Home	1					3
1427	do	American.	Laborer	Home		1	2		4	9
1428	do	American.	Nailer	Home		2	1	1	1	7
1429	do	American.	Nailer	Home			2		1	5
1430	do	American.	Nailer	Home		2		2	1	7
1431	do	American.	Nailer	Home	1	3		1	1	8
1432	do	American.	Rougher	Home			2			3
1433	do	American.	Rougher	Home		2	2	1		7
1434	do	American.	Heater	Home		3	4			9
1435	do	American.	Heaters' helper	Home			2			4
1436	do	American.	Heater	Home		3	2		1	8
1437	do	American.	Nail feeder	Home	2		3	2		9
1438	do	American.	Nail shipper	Home	1	2	2	1		8
1439	do	American.	Puddlers' helper	Home			1			3
1440	do	American.	Moulder	Home		2	1	1		6
1441	do	American.	Moulder	Home		1	3			6
1442	do	American.	Machinist	Home		3	2			7
1443	do	American.	Rougher	Home		1			1	4
1444	do	American.	Catcher	Home			1		1	4
1445	do	American.	Nail feeder	Work		2	1	1		6
1446	do	American.	Puddlers' helper	Home			1	1		4
1447	do	American.	Catcher	Work						2
1448	do	American.	Blacksmith	Work			1		1	4
1449	do	American.	Hammerman	Home					4	6
1450	do	American.	Puddler	Home	3		2	1		8
1451	do	English.	Yardmaster	Home	1	1	2			6
1452	do	English.	Laborer	Home	3	1	1			7
1453	do	English.	Rougher	Home		1	2			5
1454	do	Irish.	Puddler	Home				1	1	4
1455	do	Irish.	Laborer, yard	Home	2	2				6
1456	W. Virginia.	American.	Drag-out	Home		1	2		1	6
1457	do	American.	Mason	Home	2	2				5
1458	do	American.	Roller	Home			2		1	7
1459	do	German.	Puddler	Home		3	2			7
1460	do	German.	Rougher	Home			1		1	4
1461	do	Irish.	Laborer	Home			1			3
1462	Belgium	Belgian.	Puddler	Home	5					7
1463	do	Belgian.	Cinderman	Home	1	3		1		5
1464	do	Belgian.	Boiler fitter	Home	3		1			5
1465	do	Belgian.	Foreman	Home	3					4
1466	do	Belgian.	Puddler	Home	2					4
1467	do	Belgian.	Laborer	Home	2			1		5
1468	do	Belgian.	Puddler	Home	2	1	1	2		8
1469	do	Belgian.	Puddler	Home	1			2	3	8
1470	do	Belgian.	Pipe cutter	Home		1	2			5
1471	do	Belgian.	Chipper	Home		1				3
1472	do	Belgian.	Miner	Home			2			4
1473	do	Belgian.	Designer	Home			1			3
1474	do	Belgian.	Boilermaker	Home			1			3
1475	do	Belgian.	Chipper	Home	3			3		8
1476	do	Belgian.	Mason	Home				3		5
1477	do	Belgian.	Blacksmith	Home	5		2			9
1478	do	Belgian.	Boilermaker	Home				1		3
1479	do	Belgian.	Miner	Home	4	3				9
1480	do	Belgian.	Machinist	Home	1	1		1		5
1481	do	Belgian.	Driller	Home	1	3	2		2	10
1482	do	Belgian.	Boilermaker	Home			2		4	8
1483	do	Belgian.	Foreman, laborers	Home	3	1	1			7
1484	do	Belgian.	Miner	Home	2	4	2			10

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.				
					At work.	At school.	At home.	Un- known.	
1485	Belgium	Belgian	Machinist	Home	1		2	2	7
1486	do	Belgian	Boilermaker	Home			1	1	4
1487	do	Belgian	Charger	Home		2	1	1	6
1488	do	Belgian	Laborer	Home	2	2			6
1489	do	Belgian	Puddler	Home	1		1	3	7
1490	do	Belgian	Puddler	Home		1	3		6
1491	do	Belgian	Foreman, puddlers	Home	2			1	5
1492	do	Belgian	Foreman	Home	4		1		7
1493	do	Belgian	Laborer	Work	1		1	4	8
1494	do	Belgian	Miner	Home			1		5
1495	do	Belgian	Hammerman	Home	3				5
1496	do	Belgian	Boilermaker	Home			1		3
1497	do	Belgian	Puddler	Home			2		4
1498	do	Belgian	Straightener	Home		1	2		5
1499	do	Belgian	Gateman	Home					2
1500	do	Belgian	Hammerman	Home					2
1501	do	Belgian	Laborer	Home		4	1		8
1502	do	Belgian	Machinist	Home	2	3	2		9
1503	do	Belgian	Ingot wheeler	Home			2		4
1504	do	Belgian	Miner	Home		2	2		7
1505	do	Belgian	Puddler	Home				1	2
1506	do	Belgian	Miner	Home			1		3
1507	do	Belgian	Machinist	Home		4	1		7
1508	do	Belgian	Miner	Home			3	1	6
1509	do	Belgian	Machinist	Work			1		3
1510	do	Belgian	Hammerman	Home		2	1		5
1511	do	Belgian	Blacksmith	Home	3	3	1		9
1512	do	Belgian	Puddler	Home		3	1		6
1513	do	Belgian	Teamster	Home			2	2	6
1514	do	Belgian	Laborer	Home	2				4
1515	do	Belgian	Foreman, laborers	Home					2
1516	do	Belgian	Hooker-up	Home		2	1		5
1517	do	Belgian	Puddler	Home		1		1	4
1518	do	Belgian	Laborer	Home	2	3			7
1519	do	Belgian	Laborer	Home	2		3		8
1520	do	Belgian	Blacksmith	Home			1	1	3
1521	do	Belgian	Laborer	Home					2
1522	do	Belgian	Roller	Home			2		4
1523	do	Belgian	Laborer	Home	1				2
1524	do	Belgian	Heater	Home	2	2	1		7
1525	do	Belgian	Puddler	Home	1	2	1		6
1526	do	Belgian	Unloader	Home	2	1			5
1527	do	Belgian	Charger	Home	2	2	3	1	10
1528	do	Belgian	Puddler	Home	2	2			6
1529	do	Belgian	Roller	Home		1			3
1530	do	Belgian	Roller	Home			1		3
1531	do	Belgian	Heater	Home	4	3		2	11
1532	do	Belgian	Masons' helper	Home	1	1			4
1533	do	Belgian	Keeper	Home	2	1	1		6
1534	do	Belgian	Master mechanic	Home		3			5
1535	do	Belgian	Hammerman	Home	2	1			5
1536	do	Belgian	Striker	Home			1		3
1537	France	Belgian	Heater	Home				2	4
1538	do	Belgian	Hammerman	Home			4	3	9
1539	do	Belgian	Foreman	Home	3			3	8
1540	do	Belgian	Foreman, puddlers	Home	4			5	11
1541	do	Belgian	Foreman	Home		3			5
1542	do	Belgian	Heater	Home		4	1		7
1543	do	Belgian	Puddler	Home	2				4
1544	do	Belgian	Machinist	Home	1			1	4
1545	do	Belgian	Roller	Home	1		3	3	9
1546	do	Belgian	Dresser	Home	1		2		7
1547	do	Belgian	Water tender	Home					2
1548	do	Belgian	Foreman	Home	4			2	8
1549	do	Belgian	Dresser	Home			1		3
1550	do	Belgian	Cutter	Home			1	1	4
1551	do	Belgian	Turner	Home			1		3
1552	do	Belgian	Puddler	Home				1	3
1553	do	Belgian	Foreman	Home			1	1	4
1554	do	Belgian	Heater	Home	2			3	7
1555	do	French	Laborer	Home					2



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1556	France	French	Heater	Home	1			2		5
1557	do	French	Heater	Home			1	3		6
1558	do	French	Sandman		2		3	1		7
1559	do	French	Puddler	Home			2	1		5
1560	do	French	Mason	Home	2			2		6
1561	do	French	Roller	Home	1			4		7
1562	do	French	Foreman	Home			2	1		5
1563	do	French	Stoker	Home	1			2		5
1564	do	French	Puddler	Home			1	2		5
1565	do	French	Machinist	Home			2	2		6
1566	do	French	Steel ponrer	Home			2	1		5
1567	do	French	Laboratory man	Home	2					4
1568	do	French	Laboratory man	Home	3		1	2		8
1569	do	French	Laborer	Home						2
1570	do	French	Plate cutter	Home	4			2		8
1571	do	French	Foreman		2			4		7
1572	do	French	Foreman, puddlers	Home	1			1		4
1573	do	French	Puddler	Home			2			4
1574	do	French	Puddler	Home	1			1		4
1575	do	French	Engineer	Home						2
1576	do	French	Heater	Home			2			4
1577	Germany	German	Roll adjuster	Home				1		3
1578	do	German	Laborer	Home				1	2	5
1579	do	German	Engineer	Home				2		4
1580	do	German	Foreman, puddlers and rollers.	Home		6				8
1581	do	German	Iron loader	Home			1			3
1582	do	German	Puddler	Home	2		2	2		8
1583	do	German	Pnddler	Home			2	2		6
1584	do	German	Roller	Home		4	2			8
1585	do	German	Unloader	Home			1	2		5
1586	do	Polish	Boilertender	Home		4	4	1		7
1587	do	Polish	Boilertender	Home		2	2	3	1	8
1588	do	Polish	Iron breaker	Home	2	2	2			6
1589	do	Polish	Drag-out	Home			1			2
1590	do	Polish	Foreman, rollers	Home		5	2	1		10
1591	do	Polish	Hammersmith	Home			2	1		5
1592	do	Polish	Hammersmith	Home	1	1	1	2		7
1593	do	Polish	Pnddler	Home			2			4
1594	do	Polish	Pnddler	Home		5	2	1		10
1595	do	Polish	Puddler	Home			1	2		5
1596	do	Polish	Roller	Home			1	1		4
1597	do	Polish	Roller	Home			3			5
1598	do	Polish	Roller	Home			3			5
1599	Great Britain	English	Puddler	Home	2	2				6
1600	do	English	Pnddler	Home	2		1	4		9
1601	do	English	Laborer	Home	2	3	2		1	8
1602	do	English	Bricklayer	Home		2	2			6
1603	do	English	Stock taker	Home		1	1			4
1604	do	English	Fitter	Home						2
1605	do	English	Pnddler	Home						2
1606	do	English	Furnace helper	Home			1			3
1607	do	English	Puddler	Home					1	3
1608	do	English	Laborer	Home			1			3
1609	do	English	Puddler	Home		2				4
1610	do	English	Forgeman	Home	1	2	1			5
1611	do	English	Furnace helper	Home		4				6
1612	do	English	Laborer	Home	1					3
1613	do	English	Laborer	Home						2
1614	do	English	Laborer, furnace	Home		2				4
1615	do	English	Fitters' helper	Home			1			3
1616	do	English	Stock taker	Home						2
1617	do	English	Coal wheeler	Home	1	1	1			5
1618	do	English	Weighman	Home		3	2			7
1619	do	English	Roller	Home	1	4	2			9
1620	do	English	Engine driver	Home	1	3	1			7
1621	do	English	Heater	Home		3				5
1622	do	English	Pnddler	Home		2				4
1623	do	English	Slagman	Home						2

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1624	Great Britain	English	Tap wheeler	Home		1	1			4
1625	do	English	Foreman	Home	1	3	2		1	9
1626	do	English	Foreman, melters	Home				1		4
1627	do	English	Foreman, forge	Home	1				1	4
1628	do	English	Furnace helper	Home	1	2	2			7
1629	do	English	Fitters' helper	Home			1			3
1630	do	English	Sand wheeler	Home		1	1			4
1631	do	English	Coal wheeler	Home						2
1632	do	English	Slagman	Home						2
1633	do	English	Slagman	Home			1			3
1634	do	English	Bank man	Home		2				4
1635	do	English	Scaleman	Home						2
1636	do	English	Dogger	Home		2	1			5
1637	do	English	Roller	Home		2				4
1638	do	English	Furnace helper	Home		2				4
1639	do	English	Catcher	Home			1			3
1640	do	English	Roller	Home		2	1			5
1641	do	English	Catcher	Home						2
1642	do	English	Shingler	Home	1	4	1			8
1643	do	English	Coal wheeler	Home			1			3
1644	do	English	Coal wheeler	Home			1			3
1645	do	English	Furnace helper	Home	1	4	2			9
1646	do	English	Scrap wheeler	Home						2
1647	do	English	Tipper	Home			3			5
1648	do	English	Tap wheeler	Home			2			4
1649	do	English	Puddler	Home		3	2			7
1650	do	English	Slagman	Home		3				5
1651	do	English	Puddler	Home		2				4
1652	do	English	Metal wheeler	Home						2
1653	do	English	Shingler	Home		4	1			7
1654	do	English	Roller	Home	1	2				5
1655	do	English	Shingler	Home		4	1			7
1656	do	English	Roller	Home		3	1			6
1657	do	English	Shearman	Home		4	1			7
1658	do	English	Roller	Home	1	3				6
1659	do	English	Furnace helper	Home	2	3				7
1660	do	English	Furnace helper	Home	2	2				6
1661	do	English	Sand wheeler	Home	1	4				7
1662	do	English	Furnace helper	Home	1	4				7
1663	do	English	Hammerman	Home	1	4				7
1664	do	English	Foreman, laborers	Home						2
1665	do	English	Roller	Home		4				6
1666	do	English	Laborer	Home		1	1			4
1667	do	English	Roller	Home		2	1			5
1668	do	English	Laborer	Home			2			4
1669	do	English	Roller	Home		2				4
1670	do	English	Laborer	Home					1	3
1671	do	English	Furnace helper	Home		4				6
1672	do	English	Furnace helper	Home						2
1673	do	English	Furnace helper	Home			2			4
1674	do	English	Engineman	Home	2		4			8
1675	do	English	Tipper	Home	3					5
1676	do	English	Coal wheeler	Home		1	1			4
1677	do	English	Roller	Home		1	1			4
1678	do	English	Furnace helper	Home	2	2	1			7
1679	do	English	Roller	Home	2		1			5
1680	do	English	Roller	Home	1	5	1			9
1681	do	English	Roller	Home		2	2			6
1682	do	English	Furnace helper	Home	2	2				6
1683	do	English	Roller	Home		2	1			5
1684	do	English	Roller	Home		4				6
1685	do	English	Keeper	Home	1	1	1			5
1686	do	English	Laborer	Home		4	1			7
1687	do	English	Roller	Home		2	1			5
1688	do	English	Driver	Home	1		1			4
1689	do	English	Engino driver	Home	1					3
1690	do	Irish	Hooker	Home					1	8

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Concluded.

Budget number.	Locality.	Nationality.	Occupation or condition of—						Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1691	Great Britain	Irish.....	Fireman.....	Home.....	.....	2	1	.....	.....	5
1692	do	Irish.....	Keeper.....	Home.....	.....	3	2	.....	.....	7
1693	do	Irish.....	Coal wheeler.....	Home.....	.....	.....	1	.....	.....	3
1694	do	Irish.....	Slag wheeler.....	Home.....	1	.....	.....	.....	.....	3
1695	do	Irish.....	Slag wheeler.....	Home.....	1	.....	.....	.....	.....	3
1696	do	Irish.....	Metal wheeler.....	Home.....	.....	1	.....	.....	.....	3
1697	do	Irish.....	Metal wheeler.....	Home.....	.....	1	1	.....	.....	4
1698	do	Irish.....	Drawer.....	Home.....	.....	.....	1	.....	.....	3
1699	do	Irish.....	Forker.....	Home.....	.....	.....	2	.....	.....	4
1700	do	Irish.....	Coal wheeler.....	Home.....	.....	1	1	.....	.....	4
1701	do	Irish.....	Furnace helper.....	Home.....	.....	1	2	.....	.....	5
1702	do	Irish.....	Scaleman.....	Home.....	.....	.....	2	.....	.....	4
1703	do	Irish.....	Sand wheeler.....	Home.....	.....	.....	.....	.....	.....	2
1704	do	Scotch.....	Puddler.....	Home.....	2	3	.....	.....	.....	7
1705	do	Scotch.....	Engineer.....	Home.....	2	3	1	.....	.....	8
1706	do	Scotch.....	Puddlers' helper.....	Home.....	3	.....	.....	.....	.....	5
1707	do	Scotch.....	Puddler.....	Home.....	1	1	2	.....	.....	5
1708	do	Scotch.....	Puddler.....	Home.....	2	3	1	.....	.....	8
1709	do	Welsh.....	Driver.....	Home.....	.....	1	.....	.....	.....	3
1710	do	Welsh.....	Stoveman.....	Home.....	.....	.....	.....	.....	.....	2
1711	do	Welsh.....	Fitter.....	Home.....	4	3	1	.....	.....	10
1712	do	Welsh.....	Laborer.....	Home.....	.....	.....	1	2	.....	5







[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
984	28	24	5	M.	3	M.													
985	39	38	17	F.	13	M.													
986	39	41	16	M.	11	F.	9	F.	4	F.	2	M.							
987	37	30	6	M.	2	F.													
988	36	34	13	M.	11	F.	7	M.	3	F.									
989	24	21																	
990	36	31																	
991	29	20																	
992	33	24	9	F.	5	F.													
993	24	19	1	M.															
994	39	41	15	F.	12	M.	11	M.	9	F.	6	F.	5	M.	1	M.			
995	29	28	6	M.	1	F.													
996	28	29	2	F.															
997	32	25	3	M.															
998	51	47	21	F.	18	F.	16	M.	12	M.	9	F.	5	F.					
999	49	42	22	F.	18	M.	11	M.	8	M.									
1000	49	49																	
1001	29	24	4	F.	2	F.	1	F.											
1002	35	31																	
1003	39	23	2	M.	1	M.													
1004	32	29	6	F.	4	M.	2	M.											
1005	27	24	2	F.															
1006	37	22																	
1007	37	26																	
1008	54	46	17	M.	14	F.	12	M.	9	F.	6	F.	4	F.					
1009	32	29	11	M.															
1010	39	35	6	F.															
1011	53	50	22	F.	16	F.	14	F.	8	M.									
1012	25	27																	
1013	41	39	16	M.	12	F.	8	F.	6	F.									
1014	31	20	3	F.	1	F.													
1015	36	34	12	F.	10	M.	5	F.	3	F.									
1016	31	27	6	F.	4	M.	2	M.											
1017	33	35	13	F.	11	M.	9	M.	6	F.	4	F.	2	M.					
1018	25	24																	
1019	29	26	5	M.	3	M.	1	M.											
1020	32	23	4	M.	2	F.													
1021	28	19																	
1022	28	20																	
1023	34	34	13	F.	9	M.	8	F.	6	F.	4	F.	2	M.					
1024	30	25	4	M.	2	F.													
1025	40	35	15	M.	9	F.													
1026	40	37	10	F.	7	F.	4	F.	1	F.									
1027	39	36	15	M.	8	F.	6	F.	4	F.	1	F.							
1028	32	28	7	M.	5	M.													
1029	29	27	4	M.															
1030	39	30	9	M.	5	F.													
1031	26	26	1	F.															
1032	39	36	11	M.	9	M.													
1033	36	34	16	M.	14	M.	12	M.	10	M.	4	F.	1	F.					
1034	33	29	9	F.	7	M.	4	F.	3	F.	2	F.	1	F.					
1035	42	41	16	M.	14	M.	11	F.	9	M.	8	M.	6	F.	4	M.	2	F.	
1036	47	46	21	F.															
1037	48	49																	
1038	38	40																	
1039	31	28	1	M.															
1040	27	23	2	M.															
1041	32	27	6	M.	5	F.	3	M.											
1042	48	48	18	F.	16	F.	14	F.	12	M.	10	M.	8	M.					
1043	34	34	16	M.	14	M.	6	M.											
1044	48	30	14	M.	12	M.	10	M.	8	F.	7	F.	5	M.	2	M.			
1045	35	35	15	F.															
1046	50	45	19	M.															
1047	39	32	12	M.	10	F.													
1048	45	40	15	F.															
1049	23	24	1	F.															
1050	32	25	7	M.	5	M.	3	M.											
1051	27	25	6	M.	3	M.	1	F.											
1052	64	57	26	M.															
1053	35	34	10	M.	8	F.	7	F.	4	M.	2	F.							
1054	56	52	23	F.	21	M.	17	F.	13	F.									
1055	45	40	10	F.	5	F.													



**TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.**

**B.—AGE AND SEX—Continued.**

[All ages are given in full years.]

[illegible]









TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
1345	45	44	18	M.	13	F.													
1346	28	26	4	F.	2	F.													
1347	48	46	20	F.	18	M.	15	F.	12	M.	9	M.	7	F.	4	F.			
1348			14	M.	13	F.	9	M.	6	M.	3	M.							
1349	50	50																	
1350	62	60																	
1351	42	42																	
1352	42	39	15	F.	12	F.	10	M.	6	M.									
1353	40	39																	
1354	63	59																	
1355	26	24	1	M.															
1356	38	36	15	F.	12	F.													
1357	39	41	18	F.	14	F.	12	M.	10	F.	5	F.							
1358	40	40	15	F.	12	F.	10	M.	7	M.	3	F.							
1359	60	60																	
1360	51	49	10	F.															
1361	60	59																	
1362	61	60																	
1363	49	49	19	M.	12	M.	6	F.	3	M.									
1364	60	60																	
1365	52	47																	
1366	56	50	15	F.	12	M.													
1367	50	50	10	M.															
1368	47	40	22	F.	20	M.	18	F.	16	M.	14	M.	12	M.	9	M.	7	F.	
1369	35	25	6	M.	3	M.													
1370	40	32	12	F.	10	F.	8	F.	6	M.	4	M.	2	M.	1	M.			
1371	46	53																	
1372	55	60	23	M.	18	M.	16	M.	14	F.									
1373	40	38	18	F.	16	F.	13	M.	8	F.	6	F.							
1374	50	48	24	M.	22	M.	20	M.	19	F.	18	M.	16	F.	14	M.	12	M.	
1375	49	54	21	M.	17	M.	14	M.											
1376	38	45	22	M.	14	F.	12	M.	9	F.	7	F.							
1377	50	44	20	M.	18	F.	16	M.	14	M.	12	M.	10	M.	8	F.	6	M.	
1378	63	60	20	F.															
1379	45	43	15	F.	12	M.	9	F.	6	F.	3	M.							
1380	45	40	15	M.	14	F.	11	F.	10	F.									
1381	47	42	20	M.	16	F.	14	M.	12	F.	10	M.							
1382	50	50																	
1383	33	32	6	F.	4	F.													
1384	47	45	13	F.	12	F.	7	M.											
1385	40	41	17	F.	12	M.													
1386	46	43	13	F.	10	F.	6	F.											
1387	40	33	14	F.	10	M.													
1388	37		8	M.	6	M.	2	F.											
1389	53	50	6	F.	3	F.													
1390	45	40	15	M.	10	M.													
1391	36	31	7	F.	2	F.		M.											
1392	39	35	10	F.															
1393	60	58																	
1394	35	24	3	M.	1	F.													
1395	54	50																	
1396	44	38																	
1397	42	36	15	M.	11	F.	7	M.	5	M.	2	F.	1	F.					
1398	35	31	11	F.	8	F.													
1399	48	43	17	M.	14	F.	9	M.	6	F.	2	F.							
1400	37	32	14	M.	12	M.	9	M.	7	F.	4	F.	1	F.					
1401	35	32	10	F.	8	F.	3	M.											
1402	29	27	6	M.	1	M.													
1403	30	28	10	F.	8	M.	6	M.	4	F.	3	M.	1	F.					
1404	37	31	16	M.															
1405	30	30																	
1406	45	39	14	F.															
1407	60	31	12	M.	6	F.	3	F.	1	F.									
1408	52	45	18	F.	16	F.	14	F.	12	M.	8	F.							
1409	23	20	7	M.	5	F.	3	M.	1	M.									
1410	25	20																	
1411	33	24	6	F.	2	M.													
1412	23	21	2	M.															
1413	30	25	6	M.	5	F.	1	F.											
1414	34	29																	
1415	35	31																	
1416	36	37																	

B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
	Hus- band.	Wife.	First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
			Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
1417	39	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1418	23	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1419	41	28	12	M.	5	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1420	36	33	16	F.	13	F.	14	F.	2	M.	1	M.	.....	.....	.....	.....	.....	.....	.....
1421	38	38	9	F.	7	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1422	22	22	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1423	38	37	12	M.	9	F.	5	M.	3	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1424	48	43	16	F.	14	F.	12	F.	9	M.	7	M.	5	F.	2	F.	.....	.....	.....
1425	35	33	15	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1426	29	36	17	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1427	50	38	8	M.	5	F.	1	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1428	37	33	13	M.	11	F.	9	F.	4	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1429	30	29	2	M.	1	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1430	51	42	16	M.	13	M.	9	M.	7	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1431	41	40	17	M.	15	F.	13	M.	9	M.	7	F.	.....	.....	.....	.....	.....	.....	.....
1432	32	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1433	39	39	12	F.	11	F.	8	M.	4	F.	9	M.	.....	.....	.....	.....	.....	.....	.....
1434	47	29	12	F.	10	M.	8	F.	5	F.	3	M.	2	F.	1	F.	.....	.....	.....
1435	32	30	4	M.	1	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1436	42	36	15	F.	14	M.	7	M.	5	F.	4	F.	.....	.....	.....	.....	.....	.....	.....
1437	38	38	16	M.	14	M.	10	M.	8	F.	5	M.	2	M.	1	F.	.....	.....	.....
1438	47	35	17	M.	13	M.	11	M.	7	F.	4	F.	2	F.	.....	.....	.....	.....	.....
1439	28	22	4	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1440	35	33	11	M.	9	M.	7	F.	2	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1441	32	32	8	F.	6	M.	2	M.	1	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1442	37	31	11	M.	9	M.	7	M.	4	M.	1	F.	.....	.....	.....	.....	.....	.....	.....
1443	37	34	11	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1444	21	22	1	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1445	36	39	13	F.	10	F.	7	F.	4	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1446	37	26	7	F.	4	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1447	29	33	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1448	34	36	5	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1449	60	50	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1450	35	33	14	F.	11	M.	9	M.	7	F.	5	M.	1	F.	.....	.....	.....	.....	.....
1451	50	38	13	M.	8	F.	6	F.	1	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1452	46	46	22	F.	17	M.	14	M.	11	F.	6	M.	.....	.....	.....	.....	.....	.....	.....
1453	31	28	7	F.	5	F.	2	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1454	48	60	15	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1455	50	45	17	F.	16	M.	12	M.	9	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1456	35	34	7	M.	4	F.	2	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1457	45	38	19	M.	17	F.	15	M.	6	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1458	24	23	3	M.	1	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1459	42	40	15	F.	14	F.	8	M.	5	M.	3	M.	.....	.....	.....	.....	.....	.....	.....
1460	35	39	2	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1461	60	50	18	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1462	62	60	31	F.	25	M.	23	F.	21	M.	17	M.	.....	.....	.....	.....	.....	.....	.....
1463	45	44	17	M.	14	F.	13	F.	10	M.	5	M.	.....	.....	.....	.....	.....	.....	.....
1464	60	.....	26	M.	23	M.	21	M.	19	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....
1465	61	59	28	M.	24	M.	22	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1466	54	49	19	M.	16	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1467	58	57	31	M.	28	F.	24	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1468	47	40	16	M.	14	M.	12	F.	10	F.	7	M.	3	M.	.....	.....	.....	.....	.....
1469	51	51	25	F.	18	M.	16	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1470	35	34	14	F.	11	M.	2	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1471	45	39	13	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1472	23	20	2	F.	1	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1473	20	19	1	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1474	26	26	2	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1475	47	44	20	M.	16	M.	15	M.	11	F.	9	F.	7	M.	.....	.....	.....	.....	.....
1476	38	42	15	M.	13	M.	10	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1477	55	54	29	M.	25	M.	21	F.	20	F.	18	F.	16	M.	10	F.	.....	.....	.....
1478	28	26	14	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1479	54	51	29	M.	26	F.	25	F.	18	F.	14	F.	10	M.	7	M.	.....	.....	.....
1480	44	50	22	M.	13	F.	9	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1481	40	38	14	M.	12	F.	10	M.	6	M.	3	F.	1	F.	.....	.....	.....	.....	.....
1482	38	27	3	F.	1	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1483	58	52	28	M.	21	M.	18	M.	16	F.	10	M.	.....	.....	.....	.....	.....	.....	.....
1484	58	44	20	M.	17	F.	16	F.	15	M.	12	F.	10	F.	7	F.	4	F.	.....
1485	46	41	16	M.	14	F.	12	F.	6	M.	3	F.	.....	.....	.....	.....	.....	.....	.....
1486	33	26	7	F.	2	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....





**B.—AGE AND SEX—Continued.**

The children.

No. of bud- get.	Age of—		The children.																		Oth- ers, and age and sex unkn.
	Hus- band.	Wife.	First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.				
			Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex			
1557	45	42	12	M.	10	F.	7	M.	4	M.											
1558	59	32	23	F.	18	F.	8	M.	6	M.	5	F.	2	M.							
1559	32	30	8	M.	6	M.	4	F.													
1560	50	45	20	M.	15	M.	12	F.	10	M.											
1561	45	44	19	M.	17	F.	12	F.	10	M.	8	M.									
1562	32	30	8	M.	6	M.	5	M.													
1563	36	33	18	F.	14	F.	12	M.													
1564	38	36	15	M.	10	M.	6	F.													
1565	34	39	14	M.	8	M.	5	M.	2	M.											
1566	35	30	10	M.	6	F.	3	M.													
1567	67	64	20	M.	15	F.															
1568	54	51	21	M.	17	F.	14	F.	11	F.	7	M.	6	F.							
1569	25	25																			
1570	43	40	17	M.	16	F.	15	M.	13	M.	11	F.	7	F.							
1571	60		30	F.	26	M.	20	F.	16	F.	13	F.	8	F.							
1572	50	45	22	F.	16	F.															
1573	44	32	5	F.	4	F.															
1574	42	40	16	F.	14	F.															
1575	44	38																			
1576	31	33	4	F.	1	F.															
1577	45	37	15	F.																	
1578	62	58	16	F.																	
1579	60	52	20	F.	12	M.															
1580	39	36	14	F.	12	M.	10	F.	8	F.	6	F.	4	F.							
1581	26	23																			
1582	43	44	18	M.	17	F.	11	M.	7	M.	5	F.	3	M.					1		
1583	40	43	13	M.	11	F.	4	M.	2	M.											
1584	45	35	19	M.	15	M.	12	F.	7	F.	4	F.	3	F.							
1585	36	37	12	M.	7	F.	5	M.													
1586	39	31	10	M.	6	F.	4	M.	2	F.	1	M.									
1587	38	37	11	M.	9	M.	7	M.	5	F.	3	F.									
1588	48	46	19	F.	13	F.	15	F.	8	F.	6	F.	3	M.							
1589	29	27	1	M.																	
1590	41	36	15	F.	14	F.	12	M.	10	M.	8	M.	7	M.	5	F.	2	F.			
1591	37	39	7	M.	5	M.	3	F.													
1592	46	45	18	M.	17	M.	15	F.	13	F.	3	F.									
1593	28	28	4	F.	2	F.															
1594	52	49	16	F.	13	F.	11	M.	9	F.	7	M.	4	F.	2	M.					
1595	34	30	8	F.	7	F.	1	M.													
1596	34	29	7	F.	2	M.															
1597	30	28	5	F.	3	F.	2	F.													
1598	33	25	6	M.	3	F.	1	M.													
1599	51	51	22	M.	19	F.	12	F.	8	M.											
1600	44	42	19	F.	16	M.	14	M.	11	F.	9	M.	7	M.	5	M.					
1601	53	50	19	M.	14	M.	12	F.	9	F.	7	F.									
1602	38	36	9	M.	5	F.	3	F.	1	M.											
1603	29	32	6	F.	5	F.	3	M.	1	F.											
1604	42	41	7	M.	2	F.															
1605	44	33																			
1606	33	30	2	M.																	
1607	53	49																			
1608	50	37	1	M.																	
1609	38	36	14	F.	5	M.															
1610	49		19	F.	16	M.	14	M.	11	M.											
1611	32	28	11	F.	7	F.	6	M.	5	F.											
1612	61	49	18	F.																	
1613	43	47																			
1614	57	50	12	F.	9	M.															
1615	28	27	1	M.																	
1616	26	23																			
1617	54	53	25	M.	19	F.	14	M.													
1618	39	39	15	F.	13	F.	11	F.	7	M.	3	M.									
1619	41	36	16	M.	14	F.	13	M.	10	M.	8	M.	4	F.	2	F.					
1620	36	33	16	M.	13	F.	9	F.	5	F.	1	F.									
1621	49	49	10	F.	8	M.	6	F.													
1622	40	41	6	M.	4	M.															
1623	50	50																			
1624	25	24	4	F.	1	F.															
1625	50	50	21	M.	16	F.	15	M.	14	F.	12	M.	10	M.							
1626	61	58	26	M.	22	F.															





TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

**B.—AGE AND SEX—Concluded.**

[All ages are given in full years.]

[illegible]

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
839	No.....	\$312.00		\$25.00		\$25.00	\$362.00
840	No.....	343.20					343.20
841	No.....	312.00			\$60.00	50.00	422.00
842	No.....	468.00					468.00
843	No.....	624.00			576.00		1,200.00
844	No.....	520.00					520.00
845	No.....	438.00					438.00
846	No.....	390.00		200.00		75.00	665.00
847	No.....	936.00					936.00
848	No.....	200.00			600.00		800.00
849	No.....	325.00			96.00	50.00	471.00
850	No.....	380.00				41.00	421.00
851	No.....	540.00				20.00	560.00
852	No.....	650.00					650.00
853	No.....	1,644.00					1,644.00
854	No.....	1,404.00					1,404.00
855	No.....	1,400.00					1,400.00
856	No.....	880.00		535.00			1,415.00
857	No.....	643.50			192.00		835.50
858	No.....	890.00					890.00
859	Yes.....	980.00					980.00
860	No.....	405.00					405.00
861	No.....	586.50		90.00			676.50
862	No.....	941.50					941.50
863	No.....	899.50					899.50
864	No.....	993.75					993.75
865	No.....	926.25					926.25
866	No.....	937.50					937.50
867	No.....	975.00					975.00
868	No.....	476.00					476.00
869	No.....	546.00			360.00		906.00
870	No.....	650.00			160.00		810.00
871	No.....	1,740.00				364.00	2,104.00
872	No.....	2,060.00					2,060.00
873	No.....	642.50					642.50
874	No.....	590.00					590.00
875	No.....	843.50					843.50
876	No.....	805.00					805.00
877	No.....	612.00		180.00	144.00		936.00
878	No.....	1,446.00				40.00	1,486.00
879	No.....	1,104.00					1,104.00
880	No.....	1,100.00					1,100.00
881	No.....	600.00					600.00
882	No.....	700.00					700.00
883	No.....	700.00					700.00
884	No.....	300.00					300.00
885	No.....	325.00					325.00
886	No.....	440.00					440.00
887	No.....	285.00			168.00		453.00
888	No.....	312.00			130.52		442.52
889	No.....	900.00		400.00			1,300.00
890	No.....	500.00				75.00	575.00
891	No.....	900.00					900.00
892	No.....	581.50					581.50
893	No.....	1,080.00					1,080.00
894	No.....	658.00					658.00
895	No.....	320.00					320.00
896	No.....	372.40					372.40
897	No.....	877.25					877.25
898	No.....	2,000.00				80.00	2,080.00
899	No.....	1,928.00				96.00	2,024.00
900	Yes.....	450.00		250.00			700.00
901	No.....	250.00		150.00			400.00
902	No.....	700.00				75.00	775.00
903	No.....	300.00		15.00	60.00		375.00
904	No.....	500.00					500.00
905	No.....	666.00			90.00		756.00
906	No.....	300.00				25.00	325.00
907	No.....	900.00					900.00
908	No.....	750.00					750.00
909	Yes.....	442.75					442.75
910	No.....	414.00					414.00
911	No.....	496.65			768.00		1,264.65
912	No.....	1,060.00					1,060.00
913	No.....	850.90					850.90
914	Yes.....	578.00					578.00

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
915	Yes.....	\$489.60			\$354.00		\$843.60
916	No.....	350.00					350.00
917	Yes.....	425.00					425.00
918	Yes.....	250.00		\$150.00			400.00
919	No.....	375.00					375.00
920	No.....	400.00					400.00
921	Yes.....	576.00					576.00
922	No.....	1,800.00					1,800.00
923	No.....	775.00		50.00			825.00
924	No.....	500.00					500.00
925	No.....	324.00				\$25.00	349.00
926	No.....	762.75					762.75
927	Yes.....	1,000.00					1,000.00
928	No.....	525.00					525.00
929	No.....	374.00				70.00	444.00
930	No.....	625.00		600.00			1,225.00
931	No.....	437.50		260.00			697.50
932	No.....	2,170.00					2,170.00
933	No.....	1,017.25					1,017.25
934	No.....	1,200.00				338.00	1,538.00
935	No.....	912.50					912.50
936	No.....	1,085.00					1,085.00
937	No.....	2,240.00				580.00	2,820.00
938	No.....	1,000.00					1,000.00
939	No.....	540.00					540.00
940	Yes.....	1,000.00		480.00			1,560.00
941	Yes.....	625.00		50.00			675.00
942	No.....	720.00					720.00
943	No.....	700.00					700.00
944	Yes.....	1,000.00					1,000.00
945	Yes.....	900.00					900.00
946	No.....	690.00		150.00			840.00
947	No.....	630.00				15.00	645.00
948	No.....	786.00					786.00
949	Yes.....	840.00					840.00
950	No.....	900.00					900.00
951	No.....	260.00		600.00			860.00
952	No.....	386.20				20.00	406.20
953	No.....	496.00		66.00			562.00
954	No.....	432.00		224.00			656.00
955	No.....	275.00		445.80	96.00		816.80
956	No.....	560.00					560.00
957	No.....	360.00		295.00			655.00
958	No.....	290.00	\$150.00		32.00		472.00
959	No.....	620.00		600.00	120.00		1,340.00
960	No.....	520.00					520.00
961	No.....	350.00		327.00			677.00
962	No.....	200.00			160.00		360.00
963	No.....	595.00				25.00	620.00
964	No.....	250.00		606.00			856.00
965	No.....	250.00				20.00	270.00
966	No.....	220.00		60.00	144.00	24.00	448.00
967	No.....	270.00		200.00			530.00
968	No.....	450.00		180.00			630.00
969	No.....	337.50		350.00			687.50
970	No.....	150.00		1,180.00			1,330.00
971	No.....	479.20					479.20
972	No.....	160.00		425.00	312.00		897.00
973	No.....	280.00		310.00			590.00
974	No.....	360.00				30.00	390.00
975	No.....	480.00		440.00			920.00
976	No.....	350.00		450.00			800.00
977	No.....	700.00		714.00	144.00		1,558.00
978	No.....	275.00		532.00	160.00		967.00
979	No.....	430.00		240.00	240.00		910.00
980	No.....	320.00				12.00	332.00
981	No.....	430.00					430.00
982	No.....	230.00		288.00			518.00
983	No.....	550.00					550.00
984	No.....	480.00					480.00
985	No.....	720.00					720.00
986	No.....	300.00		130.00			430.00
987	Yes.....	530.00					530.00
988	Yes.....	662.50					662.50
989	No.....	710.00					710.00



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud. get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
990	No.....	\$297.50					\$297.50
991	No.....	531.00					531.00
992	No.....	1,016.00					1,016.00
993	No.....	452.50					452.50
994	No.....	510.00					510.00
995	No.....	470.00					470.00
996	Yes.....	650.50					650.50
997	Yes.....	768.50					768.50
998	No.....	1,452.00		\$133.50	\$150.00	\$102.00	1,837.50
999	Yes.....	228.00		229.50			457.50
1000	Yes.....	298.50			350.00		648.50
1001	No.....	631.50					631.50
1002	Yes.....	434.00					434.00
1003	Yes.....	920.00				96.00	1,016.00
1004	No.....	402.00					402.00
1005	No.....	432.50					432.50
1006	No.....	376.39					376.39
1007	Yes.....	520.91					520.91
1008	No.....	459.66		135.00			594.66
1009	No.....	769.01					769.01
1010	Yes.....	920.00					920.00
1011	Yes.....	590.50	\$170.00				760.50
1012	Yes.....	790.00			160.00		950.00
1013	Yes.....	557.50		75.00		205.00	837.50
1014	No.....	425.00					425.00
1015	No.....	349.50					349.50
1016	No.....	588.65					588.65
1017	No.....	387.00					387.00
1018	No.....	752.50					752.50
1019	Yes.....	669.50					669.50
1020	No.....	796.50					796.50
1021	No.....	912.80					912.80
1022	No.....	612.50					612.50
1023	No.....	246.00				38.00	284.00
1024	Yes.....	279.50					279.50
1025	Yes.....	850.00					850.00
1026	No.....	960.00					960.00
1027	Yes.....	1,300.00					1,300.00
1028	No.....	1,108.48					1,108.48
1029	Yes.....	1,000.00					1,000.00
1030	No.....	315.00					315.00
1031	No.....	700.00					700.00
1032	Yes.....	2,184.00					2,184.00
1033	No.....	438.80		288.00			726.80
1034	Yes.....	1,248.00					1,248.00
1035	Yes.....	436.80		245.00			681.80
1036	Yes.....	4,500.00					4,500.00
1037	Yes.....	1,500.00					1,500.00
1038	Yes.....	550.00					550.00
1039	No.....	675.00					675.00
1040	No.....	624.00					624.00
1041	No.....	1,200.00					1,200.00
1042	No.....	936.00			234.00		1,170.00
1043	No.....	480.00	120.00				600.00
1044	No.....	1,080.00					1,080.00
1045	No.....	702.00					702.00
1046	No.....	650.00		260.00			910.00
1047	Yes.....	1,400.00					1,400.00
1048	Yes.....	2,400.00				350.00	2,750.00
1049	No.....	280.00					280.00
1050	Yes.....	253.85					253.85
1051	No.....	380.75					380.75
1052	No.....	225.00		50.00		100.00	375.00
1053	No.....	500.00					500.00
1054	Yes.....	625.00		825.00		360.00	1,810.00
1055	Yes.....	450.00					450.00
1056	Yes.....	750.00					750.00
1057	No.....	325.00					325.00
1058	No.....	1,320.00			384.00		1,704.00
1059	No.....	626.00			384.00		1,010.00
1060	No.....	750.00					750.00
1061	No.....	750.00					750.00
1062	No.....	825.00					825.00
1063	No.....	546.00					546.00
1064	Yes.....	2,250.00					2,250.00

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1065	Yes.....	\$2,040.00				\$156.00	\$2,196.00
1066	Yes.....	689.50					689.50
1067	No.....	336.50			\$72.50		409.00
1068	No.....	1,125.50					1,125.50
1069	No.....	421.20					421.20
1070	Yes.....	430.01					430.01
1071	Yes.....	528.43					528.43
1072	Yes.....	1,716.00		\$208.00	192.00	120.00	2,236.00
1073	No.....	380.00					380.00
1074	Yes.....	2,563.60					2,563.60
1075	No.....	1,176.60					1,176.60
1076	No.....	1,450.00					1,450.00
1077	No.....	780.00					780.00
1078	No.....	421.20					421.20
1079	No.....	1,200.00			280.00		1,480.00
1080	Yes.....	700.00					700.00
1081	Yes.....	243.74				59.00	302.74
1082	Yes.....	547.24					547.24
1083	Yes.....	343.41		51.00			394.41
1084	No.....	626.00					626.00
1085	No.....	1,550.00					1,550.00
1086	Yes.....	525.88					525.88
1087	Yes.....	1,032.14		470.00			1,502.14
1088	No.....	357.32					357.32
1089	No.....	750.00		585.00		540.00	1,875.00
1090	No.....	1,380.00					1,380.00
1091	No.....	2,000.00					2,000.00
1092	No.....	2,142.00			192.00		2,334.00
1093	Yes.....	900.00				120.00	1,020.00
1094	Yes.....	1,103.58					1,103.58
1095	Yes.....	1,200.00					1,200.00
1096	No.....	1,350.00					1,350.00
1097	No.....	500.00			400.00		900.00
1098	No.....	468.00					468.00
1099	No.....	936.00		156.00			1,092.00
1100	No.....	1,080.00					1,080.00
1101	No.....	550.00					550.00
1102	No.....	740.00				252.00	992.00
1103	Yes.....	1,420.50				76.00	1,496.50
1104	Yes.....	400.00					400.00
1105	No.....	300.00					300.00
1106	Yes.....	1,200.00					1,200.00
1107	Yes.....	300.00		168.00			468.00
1108	Yes.....	382.50		100.00			482.50
1109	No.....	3,000.00			192.00		3,192.00
1110	No.....	1,320.00					1,320.00
1111	Yes.....	1,171.69				49.50	1,221.19
1112	No.....	865.90					865.90
1113	Yes.....	278.50		125.00		30.00	433.50
1114	No.....	836.25					836.25
1115	No.....	552.50					552.50
1116	No.....	854.00					854.00
1117	Yes.....	1,580.50		510.50		75.50	2,166.50
1118	No.....	839.20				15.10	854.30
1119	No.....	310.50					310.50
1120	No.....	740.20					740.20
1121	No.....	1,206.00					1,206.00
1122	No.....	1,391.00					1,391.00
1123	No.....	704.00					704.00
1124	No.....	640.00					640.00
1125	No.....	840.00			98.50	28.00	966.50
1126	No.....	620.50					620.50
1127	No.....	483.60					483.60
1128	No.....	850.00					850.00
1129	No.....	490.00					490.00
1130	No.....	499.20					499.20
1131	No.....	483.60					483.60
1132	No.....	499.20					499.20
1133	No.....	468.00					468.00
1134	No.....	422.20					422.20
1135	No.....	390.00					390.00
1136	Yes.....	514.80					514.80
1137	No.....	483.60					483.60
1138	No.....	502.00					502.00
1139	No.....	551.10					551.10

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1140	No.....	\$186.00					\$186.00
1141	No.....	468.00					468.00
1142	No.....	1,300.00					1,300.00
1143	No.....	1,500.00					1,500.00
1144	No.....	1,300.00			\$104.00		1,404.00
1145	No.....	624.00		\$38.00			662.00
1146	No.....	379.50		364.00			743.50
1147	No.....	716.00					716.00
1148	No.....	715.50					715.50
1149	No.....	721.65			104.00		825.60
1150	No.....	409.24					409.25
1151	Yes.....	918.00					918.04
1152	No.....	800.00					800.00
1153	No.....	832.00					832.00
1154	No.....	560.80					560.80
1155	No.....	445.00					445.00
1156	No.....	438.60					438.60
1157	No.....	436.80					436.80
1158	No.....	436.80					436.80
1159	No.....	436.80					436.80
1160	No.....	436.80					436.80
1161	No.....	436.80					436.80
1162	No.....	642.60					642.60
1163	No.....	642.60					642.60
1164	No.....	649.00					649.00
1165	No.....	892.50					892.50
1166	No.....	862.50					862.50
1167	No.....	875.00					875.00
1168	No.....	875.00					875.00
1169	No.....	420.75					420.75
1170	No.....	425.00					425.00
1171	No.....	650.50					650.50
1172	No.....	624.00					624.00
1173	No.....	800.00					800.00
1174	No.....	750.00		405.60			1,155.60
1175	No.....	936.00					936.00
1176	No.....	300.00		416.00			806.00
1177	No.....	800.00			182.00		982.00
1178	No.....	714.00			104.00		818.00
1179	No.....	833.50					833.50
1180	Yes.....	816.00					816.00
1181	No.....	750.00					750.00
1182	No.....	868.00					868.00
1183	No.....	905.00					905.00
1184	No.....	1,975.00					1,975.00
1185	Yes.....	1,950.00					1,950.00
1186	No.....	935.00			150.00		1,085.00
1187	No.....	755.00					755.00
1188	No.....	875.00					875.00
1189	No.....	640.00					640.00
1190	No.....	397.80					397.80
1191	No.....	750.00					750.00
1192	No.....	750.00					750.00
1193	No.....	670.00					670.00
1194	No.....	442.00					442.00
1195	No.....	1,140.00					1,140.00
1196	No.....	570.00					570.00
1197	No.....	500.00					500.00
1198	No.....	570.00					570.00
1199	No.....	570.00					570.00
1200	No.....	428.40					428.40
1201	No.....	420.00					420.00
1202	No.....	560.00					560.00
1203	No.....	397.80					397.80
1204	No.....	405.60					405.60
1205	No.....	390.00					390.00
1206	No.....	675.00					675.00
1207	No.....	687.50					687.50
1208	No.....	701.25					701.25
1209	No.....	736.00					736.00
1210	No.....	443.70					443.70
1211	No.....	800.00					800.00
1212	No.....	750.00					750.00
1213	No.....	622.50					622.50
1214	No.....	533.00					533.00



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1215	No.....	\$612.50					\$612.50
1216	No.....	586.50					586.50
1217	No.....	624.00					624.00
1218	No.....	612.00					612.00
1219	No.....	800.00					800.00
1220	No.....	715.00					715.00
1221	No.....	572.00		\$260.00			832.00
1222	No.....	675.00					675.00
1223	Yes.....	780.00				\$104.00	884.00
1224	No.....	912.50					912.50
1225	No.....	1,100.00					1,100.00
1226	No.....	585.00			\$208.00		793.00
1227	No.....	383.00					383.00
1228	No.....	386.00		312.00			698.00
1229	No.....	385.00			203.00		588.00
1230	No.....	405.60					405.60
1231	No.....	375.00		182.00	188.50		745.50
1232	No.....	721.65					721.65
1233	No.....	707.50					707.50
1234	No.....	714.00		401.37			1,115.37
1235	No.....	714.00					714.00
1236	Yes.....	735.80					735.80
1237	No.....	707.50		408.00			1,115.50
1238	No.....	707.50					707.50
1239	No.....	707.50					707.50
1240	Yes.....	832.00					832.00
1241	No.....	816.00				260.00	1,076.00
1242	No.....	832.00					832.00
1243	Yes.....	980.00		312.00			1,292.00
1244	No.....	1,040.00					1,040.00
1245	No.....	900.00			364.00		1,264.00
1246	No.....	1,000.00					1,000.00
1247	No.....	1,000.00					1,000.00
1248	No.....	1,100.00					1,100.00
1249	No.....	800.00					800.00
1250	No.....	637.00					637.00
1251	Yes.....	1,000.00					1,000.00
1252	No.....	535.50					535.50
1253	No.....	624.00					624.00
1254	No.....	570.75					570.75
1255	No.....	480.00					480.00
1256	No.....	361.40					361.40
1257	Yes.....	357.50		156.00		219.00	732.50
1258	No.....	460.84					460.84
1259	No.....	845.00					845.00
1260	No.....	450.60					450.60
1261	No.....	515.50					515.50
1262	No.....	452.00					452.00
1263	No.....	460.00					460.00
1264	No.....	475.00					475.00
1265	No.....	435.50					435.50
1266	No.....	436.80					436.80
1267	No.....	450.30					450.30
1268	No.....	860.00					860.00
1269	No.....	483.60					483.60
1270	No.....	530.40					530.40
1271	No.....	481.00					481.00
1272	No.....	696.80					696.80
1273	Yes.....	1,178.50					1,178.50
1274	No.....	1,500.00					1,500.00
1275	Yes.....	645.00					645.00
1276	No.....	525.00					525.00
1277	No.....	436.80					436.80
1278	No.....	642.60					642.60
1279	No.....	527.70					527.70
1280	No.....	816.00					816.00
1281	No.....	728.00					728.00
1282	Yes.....	1,040.00					1,040.00
1283	No.....	390.00					390.00
1284	No.....	1,125.00					1,125.00
1285	Yes.....	615.00					615.00
1286	Yes.....	1,258.75					1,258.75
1287	No.....	612.00					612.00
1288	No.....	780.00		350.00			1,130.00
1289	Yes.....	1,030.75					1,030.75

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1290	No.....	\$386.00	.....	\$410.00	.....	.....	\$796.00
1291	No.....	360.50	.....	175.00	.....	.....	535.50
1292	No.....	438.50	.....	.....	.....	.....	438.50
1293	No.....	707.00	.....	.....	.....	.....	707.00
1294	No.....	728.00	.....	.....	.....	.....	728.00
1295	No.....	980.88	.....	.....	.....	.....	980.88
1296	No.....	592.80	.....	.....	.....	.....	592.80
1297	No.....	520.00	.....	.....	.....	.....	520.00
1298	No.....	490.00	.....	.....	.....	.....	490.00
1299	No.....	490.00	.....	.....	.....	.....	490.00
1300	Yes.....	880.00	.....	.....	\$156.00	.....	1,036.00
1301	No.....	378.50	.....	.....	.....	\$100.00	478.50
1302	No.....	650.00	.....	.....	.....	.....	650.00
1303	No.....	707.50	.....	.....	.....	.....	707.50
1304	No.....	1,050.00	.....	.....	.....	.....	1,050.00
1305	No.....	624.00	.....	.....	156.00	.....	780.00
1306	No.....	396.50	.....	.....	.....	.....	396.50
1307	No.....	750.00	.....	.....	.....	.....	750.00
1308	No.....	750.00	.....	.....	.....	.....	750.00
1309	No.....	496.00	.....	.....	.....	.....	496.00
1310	No.....	816.00	.....	.....	.....	.....	816.00
1311	No.....	800.00	.....	.....	.....	.....	800.00
1312	No.....	816.00	.....	.....	.....	.....	816.00
1313	No.....	800.00	.....	.....	.....	.....	800.00
1314	No.....	800.00	.....	.....	.....	.....	800.00
1315	No.....	750.00	.....	.....	156.00	.....	906.00
1316	No.....	387.60	.....	.....	.....	.....	387.60
1317	No.....	390.00	.....	452.40	.....	.....	842.40
1318	No.....	750.00	.....	.....	.....	.....	750.00
1319	No.....	700.00	.....	.....	.....	.....	700.00
1320	No.....	680.00	.....	.....	.....	.....	680.00
1321	No.....	614.00	.....	.....	.....	.....	614.00
1322	No.....	369.90	.....	.....	.....	.....	369.90
1323	No.....	450.50	.....	.....	.....	.....	450.50
1324	No.....	864.75	.....	.....	.....	.....	864.75
1325	No.....	472.50	.....	260.00	.....	50.00	782.50
1326	No.....	691.00	.....	.....	.....	.....	691.00
1327	No.....	483.60	.....	.....	.....	.....	483.60
1328	No.....	483.60	.....	.....	.....	.....	483.60
1329	No.....	514.80	.....	.....	.....	.....	514.80
1330	No.....	483.60	.....	.....	.....	.....	483.60
1331	No.....	483.60	.....	.....	.....	.....	483.60
1332	No.....	509.60	.....	.....	.....	.....	509.60
1333	No.....	520.00	.....	.....	.....	.....	520.00
1334	No.....	960.00	.....	.....	225.00	.....	1,185.00
1335	No.....	663.00	.....	.....	.....	.....	663.00
1336	No.....	446.76	.....	.....	.....	.....	446.76
1337	No.....	436.80	.....	.....	.....	.....	436.80
1338	No.....	436.80	.....	.....	.....	.....	436.80
1339	No.....	420.75	.....	.....	.....	.....	420.75
1340	No.....	390.00	.....	.....	.....	.....	390.00
1341	No.....	721.65	.....	.....	.....	.....	721.65
1342	No.....	800.00	.....	.....	.....	.....	800.00
1343	No.....	1,625.00	.....	.....	.....	.....	1,625.00
1344	Yes.....	1,960.00	.....	.....	.....	.....	1,960.00
1345	No.....	853.00	.....	120.00	.....	.....	978.00
1346	No.....	787.50	.....	.....	.....	.....	787.50
1347	No.....	1,175.00	.....	200.00	.....	.....	1,375.00
1348	Yes.....	910.00	.....	.....	.....	96.00	1,006.00
1349	No.....	507.50	.....	.....	.....	.....	507.50
1350	No.....	540.00	.....	.....	.....	.....	540.00
1351	No.....	570.00	.....	.....	.....	.....	570.00
1352	No.....	800.00	.....	.....	.....	.....	800.00
1353	No.....	430.00	.....	.....	.....	.....	430.00
1354	No.....	519.00	.....	.....	.....	.....	519.00
1355	No.....	450.00	.....	.....	.....	.....	450.00
1356	No.....	624.00	.....	.....	.....	.....	624.00
1357	No.....	686.40	.....	130.00	.....	.....	816.40
1358	No.....	1,248.00	.....	.....	.....	.....	1,248.00
1359	No.....	390.00	.....	.....	.....	.....	390.00
1360	No.....	382.50	.....	.....	182.00	.....	564.50
1361	No.....	700.00	.....	.....	.....	.....	700.00
1362	Yes.....	721.00	.....	.....	.....	.....	721.00
1363	No.....	784.00	.....	435.00	.....	.....	1,219.00

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1364	Yes.....	\$768.00					\$768.00
1365	No.....	800.00					800.00
1366	No.....	752.16					752.16
1367	No.....	800.00					800.00
1368	No.....	528.00		\$343.20	\$700.00	\$65.00	1,636.20
1369	No.....	425.00					425.00
1370	Yes.....	616.00					616.00
1371	No.....	418.50					418.50
1372	No.....	530.39		1,022.25	60.00		1,612.64
1373	Yes.....	1,016.40					1,016.40
1374	Yes.....	621.00		1,795.00			2,416.00
1375	Yes.....	590.00		043.50			1,233.50
1376	Yes.....	386.10		245.70		75.00	706.80
1377	No.....	462.00		915.00			1,377.00
1378	No.....	200.20			132.50		332.70
1379	No.....	804.00					804.00
1380	No.....	375.00		412.50			787.50
1381	No.....	660.00		349.65			1,009.65
1382	Yes.....	516.00					516.00
1383	No.....	460.00					460.00
1384	No.....	460.00					460.00
1385	No.....	438.50					438.50
1386	No.....	397.80					397.80
1387	No.....	375.00	\$150.00				525.00
1388	Yes.....	575.00					575.00
1389	No.....	375.00	100.00				475.00
1390	No.....	382.50		110.00			492.50
1391	Yes.....	2,100.00					2,100.00
1392	No.....	660.00					660.00
1393	No.....	390.00					390.00
1394	No.....	1,750.00					1,750.00
1395	Yes.....	902.20					902.20
1396	No.....	800.00					800.00
1397	Yes.....	852.50		150.00			1,002.50
1398	No.....	492.60					492.60
1399	No.....	442.50		156.00			598.50
1400	No.....	262.00				48.00	310.00
1401	No.....	456.50					456.50
1402	No.....	397.50					397.50
1403	No.....	500.50					500.50
1404	No.....	550.00			96.00		646.00
1405	No.....	630.00					630.00
1406	No.....	638.00			144.00		782.00
1407	No.....	640.00				60.00	700.00
1408	No.....	600.00		40.00	144.00		784.00
1409	No.....	470.00			72.00		542.00
1410	No.....	309.00					309.00
1411	No.....	230.00					230.00
1412	No.....	325.00					325.00
1413	No.....	340.00			137.50		477.50
1414	No.....	400.00					400.00
1415	No.....	495.00					495.00
1416	No.....	320.00					320.00
1417	No.....	420.00					420.00
1418	No.....	290.00					290.00
1419	No.....	525.00					525.00
1420	No.....	325.50			450.00		775.50
1421	No.....	450.00			300.00		750.00
1422	No.....	150.00	130.00				280.00
1423	No.....	531.30	150.00			48.00	729.30
1424	No.....	480.00		236.00			716.00
1425	No.....	546.00					546.00
1426	No.....	263.32		130.00			393.32
1427	Yes.....	307.50			340.00		647.50
1428	Yes.....	1,190.46				186.00	1,376.46
1429	Yes.....	520.00					520.00
1430	Yes.....	956.53				197.00	1,153.53
1431	No.....	694.90		20.00			714.90
1432	No.....	715.36					715.36
1433	No.....	648.52					648.52
1434	Yes.....	1,128.50					1,128.50
1435	Yes.....	340.32					340.32
1436	Yes.....	742.74					742.74
1437	No.....	224.41		374.00			598.41
1438	Yes.....	663.40		80.00		108.00	851.40



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1439	No.....	\$480.00					\$480.00
1440	No.....	622.08					622.08
1441	No.....	609.12				\$10.20	619.32
1442	No.....	676.80					676.80
1443	Yes.....	780.00				52.50	832.50
1444	No.....	440.00				20.00	460.00
1445	No.....	233.03	\$100.00				333.03
1446	No.....	313.72					313.72
1447	No.....	520.00	100.00				620.00
1448	No.....	756.00	250.00				1,006.00
1449	Yes.....	324.00				700.00	1,024.00
1450	No.....	535.00		\$192.00		24.00	751.00
1451	No.....	688.77		125.00			813.77
1452	No.....	264.60		328.00			592.60
1453	No.....	581.50				60.00	641.50
1454	No.....	523.02				115.00	638.02
1455	Yes.....	283.50		180.00			463.50
1456	No.....	432.00					432.00
1457	No.....	650.00		500.00			1,150.00
1458	No.....	1,440.00					1,440.00
1459	Yes.....	800.00					800.00
1460	No.....	1,134.00					1,134.00
1461	Yes.....	388.75					388.75
1462	No.....	260.55		275.03			535.58
1463	No.....	231.60		72.88			303.98
1464	No.....	241.64		587.07			828.71
1465	No.....	279.56		755.11			1,034.67
1466	No.....	297.22		361.88			659.10
1467	No.....	181.42		502.77			684.19
1468	No.....	347.40		144.75			492.15
1469	No.....	202.65		115.80			318.45
1470	No.....	217.70				57.90	275.60
1471	No.....	194.54					194.54
1472	No.....	215.19					215.19
1473	No.....	152.18					152.18
1474	No.....	150.54					150.54
1475	No.....	245.50		219.06			464.56
1476	No.....	231.60					231.60
1477	No.....	300.11		540.41			840.52
1478	No.....	202.65					202.65
1479	No.....	173.70		373.46			547.16
1480	No.....	144.75		148.61			293.36
1481	No.....	188.17		57.90	\$27.02	67.55	340.64
1482	No.....	181.23			47.09		228.32
1483	No.....	231.60		535.58			767.18
1484	No.....	144.75		95.53			240.28
1485	No.....	173.70		65.62			239.32
1486	No.....	210.56					210.56
1487	No.....	173.70					173.70
1488	No.....	144.75		86.85		181.24	362.84
1489	No.....	293.36		88.78			382.14
1490	No.....	324.82					324.82
1491	No.....	332.92		181.41			514.33
1492	No.....	137.42		695.77		38.60	871.79
1493	No.....	173.70	193.00	79.52			446.22
1494	No.....	194.16			60.22		254.38
1495	No.....	120.82		319.42			440.24
1496	No.....	196.86					196.86
1497	No.....	291.43					291.43
1498	No.....	167.91					167.91
1499	No.....	162.70					162.70
1500	No.....	246.08					246.08
1501	No.....	246.65			28.95	77.20	352.80
1502	No.....	250.90		175.63			426.53
1503	No.....	178.24					178.24
1504	No.....	203.04			27.79	96.50	327.32
1505	No.....	302.05				19.30	321.35
1506	No.....	173.70					173.70
1507	No.....	192.03					192.03
1508	No.....	240.86					240.86
1509	No.....	224.36	154.40				378.76
1510	No.....	181.23					181.23
1511	No.....	173.70		320.38			494.08
1512	No.....	308.80					308.80
1513	No.....	241.64				61.76	303.40

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1514	No.....	\$181.23	.....	\$100.16	.....	.....	\$281.39
1515	Yes.....	220.21	.....	.....	.....	.....	220.21
1516	No.....	202.05	.....	.....	.....	.....	202.65
1517	No.....	289.50	.....	.....	.....	.....	289.50
1518	No.....	121.59	.....	318.45	.....	.....	440.04
1519	Yes.....	130.27	.....	331.96	\$104.22	.....	566.45
1520	No.....	157.68	.....	.....	.....	.....	157.68
1521	Yes.....	167.91	.....	.....	.....	.....	167.91
1522	No.....	277.92	.....	.....	.....	.....	277.92
1523	No.....	115.80	.....	57.90	.....	.....	173.70
1524	No.....	197.25	.....	280.81	.....	.....	478.06
1525	No.....	289.50	.....	92.64	.....	.....	382.14
1526	Yes.....	115.80	.....	150.53	.....	.....	266.33
1527	No.....	173.70	.....	183.35	.....	\$40.53	397.58
1528	No.....	289.50	.....	173.70	.....	.....	463.20
1529	No.....	231.60	.....	.....	.....	.....	231.60
1530	No.....	260.55	.....	.....	.....	.....	260.55
1531	No.....	289.50	.....	654.27	.....	40.53	984.30
1532	No.....	121.59	.....	144.75	.....	.....	266.34
1533	No.....	214.86	.....	185.28	.....	.....	400.14
1534	Yes.....	260.55	.....	.....	.....	.....	260.55
1535	No.....	251.87	.....	144.75	.....	.....	396.62
1536	No.....	173.70	.....	.....	.....	48.25	221.95
1537	No.....	444.67	.....	.....	.....	.....	444.67
1538	No.....	333.50	.....	.....	.....	11.58	345.08
1539	No.....	555.84	.....	393.72	.....	.....	949.56
1540	No.....	458.57	.....	889.35	.....	.....	1,347.92
1541	No.....	277.92	.....	.....	.....	.....	277.92
1542	No.....	444.67	.....	.....	.....	.....	444.67
1543	No.....	277.92	.....	305.72	.....	.....	583.64
1544	No.....	264.02	.....	57.90	.....	11.58	333.50
1545	No.....	444.67	.....	138.96	.....	.....	583.63
1546	No.....	264.02	.....	104.22	.....	9.65	377.89
1547	No.....	236.42	.....	.....	.....	57.90	294.32
1548	No.....	579.00	.....	320.38	.....	.....	899.38
1549	No.....	333.50	.....	.....	.....	.....	333.50
1550	No.....	104.54	.....	.....	.....	19.30	213.84
1551	No.....	333.50	.....	.....	.....	57.90	391.40
1552	No.....	361.30	.....	.....	.....	.....	361.30
1553	No.....	250.13	.....	.....	.....	.....	250.13
1554	No.....	444.67	.....	204.58	.....	.....	649.25
1555	No.....	212.30	.....	.....	.....	19.30	231.60
1556	No.....	500.26	.....	333.50	.....	.....	833.76
1557	No.....	333.50	.....	.....	.....	9.65	343.15
1558	No.....	181.42	.....	24.12	.....	.....	205.54
1559	No.....	337.75	.....	.....	.....	.....	337.75
1560	No.....	264.02	.....	250.13	.....	.....	614.15
1561	No.....	347.40	.....	180.65	.....	.....	528.05
1562	No.....	501.80	.....	.....	.....	.....	501.80
1563	No.....	264.02	.....	104.22	.....	47.29	415.53
1564	No.....	402.98	.....	.....	.....	.....	402.98
1565	No.....	236.42	.....	.....	.....	28.95	265.37
1566	No.....	305.71	.....	.....	.....	.....	305.71
1567	No.....	152.86	.....	210.76	.....	.....	363.62
1568	No.....	152.86	.....	333.51	.....	.....	486.37
1569	No.....	337.75	.....	.....	.....	144.75	482.50
1570	No.....	277.92	.....	372.48	.....	.....	650.40
1571	No.....	185.28	.....	338.14	.....	.....	523.42
1572	No.....	521.10	.....	135.10	.....	.....	656.20
1573	No.....	389.09	.....	.....	.....	.....	389.09
1574	No.....	389.09	.....	69.48	.....	67.55	526.12
1575	No.....	222.34	.....	.....	.....	72.37	294.71
1576	No.....	250.13	.....	.....	.....	.....	250.13
1577	No.....	192.78	.....	.....	.....	5.71	198.49
1578	No.....	94.49	.....	.....	171.36	.....	265.85
1579	No.....	295.12	.....	.....	.....	.....	295.12
1580	No.....	321.30	.....	.....	.....	.....	321.30
1581	No.....	182.78	.....	.....	.....	32.13	214.91
1582	No.....	343.91	.....	77.11	.....	.....	421.02
1583	Yes.....	183.97	.....	.....	.....	62.78	246.75
1584	No.....	307.02	.....	.....	.....	214.68	521.70
1585	No.....	185.64	.....	.....	.....	.....	185.64
1586	No.....	242.76	.....	.....	.....	.....	242.76
1587	No.....	293.93	.....	.....	.....	28.56	322.49
1588	No.....	189.21	.....	99.96	.....	47.12	336.29

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1589	No.....	\$183.26					\$183.26
1590	No.....	309.40					309.40
1591	No.....	264.18					264.18
1592	No.....	311.78		\$85.68		\$5.71	403.17
1593	No.....	262.28					262.28
1594	No.....	226.10					226.10
1595	No.....	236.81					236.81
1596	No.....	263.47				5.71	269.18
1597	No.....	271.32				5.71	277.03
1598	No.....	204.68					204.68
1599	No.....	316.32		330.92			647.24
1600	No.....	389.32		102.19			491.51
1601	No.....	379.59		228.72	\$164.49		772.80
1602	No.....	417.54					417.54
1603	No.....	379.59					379.59
1604	No.....	423.38					423.38
1605	No.....	432.14					432.14
1606	No.....	429.95					429.95
1607	No.....	408.79			164.49		573.28
1608	No.....	296.86					296.86
1609	No.....	420.95					420.95
1610	No.....	316.32		145.99			462.31
1611	No.....	355.25					355.25
1612	No.....	215.10		126.53			341.63
1613	No.....	286.15					286.15
1614	No.....	292.96				50.61	343.57
1615	No.....	265.71					265.71
1616	No.....	351.36					351.36
1617	No.....	316.32		194.66			510.98
1618	No.....	399.05					399.05
1619	No.....	467.18		160.59			627.77
1620	No.....	373.75		75.92			449.67
1621	No.....	389.32					389.32
1622	No.....	354.28					354.28
1623	No.....	303.67					303.67
1624	No.....	354.28					354.28
1625	No.....	486.65		194.66	189.79		871.10
1626	No.....	379.59					379.59
1627	No.....	328.48		11.68	189.79		529.95
1628	No.....	425.33		63.26			488.59
1629	No.....	272.52					272.52
1630	No.....	303.67					303.67
1631	No.....	369.85					369.85
1632	No.....	272.52					272.52
1633	No.....	303.67					303.67
1634	No.....	428.25					428.25
1635	No.....	328.97					328.97
1636	No.....	437.98					437.98
1637	No.....	729.97					729.97
1638	No.....	457.45					457.45
1639	No.....	354.28					354.28
1640	No.....	510.00					510.00
1641	No.....	369.85					369.85
1642	No.....	471.08		97.33			568.41
1643	No.....	413.65					413.65
1644	No.....	403.92					403.92
1645	No.....	626.80		126.53			753.33
1646	No.....	265.71					265.71
1647	No.....	292.00					292.00
1648	No.....	265.71					265.71
1649	No.....	383.48					383.48
1650	No.....	267.65					267.65
1651	No.....	374.72					374.72
1652	No.....	334.81					334.81
1653	No.....	399.05					399.05
1654	No.....	778.64		97.33			875.97
1655	No.....	778.64					778.64
1656	No.....	681.31					681.31
1657	No.....	759.17					759.17
1658	No.....	802.97		218.99			1,021.96
1659	No.....	768.91		208.77			977.68
1660	No.....	405.62		328.98			734.60
1661	No.....	295.88		126.53			422.41
1662	No.....	608.31		194.66			802.97
1663	No.....	681.31		97.33			778.64



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Concluded.

Budget number.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1664	No.....	\$729.97					\$729.97
1665	No.....	778.64					778.64
1666	No.....	364.99					364.99
1667	No.....	778.64					778.64
1668	No.....	364.99					364.99
1669	No.....	768.91					768.91
1670	No.....	379.59					379.59
1671	No.....	661.84					661.84
1672	No.....	632.64					632.64
1673	No.....	739.71					739.71
1674	No.....	429.22		\$21.90		\$18.25	469.37
1675	No.....	339.13		420.94		82.72	842.79
1676	No.....	328.98					328.98
1677	No.....	807.84					807.84
1678	No.....	583.98		583.98			1,167.96
1679	No.....	632.64		437.99			1,070.63
1680	No.....	798.11		58.40			856.51
1681	No.....	720.97					729.97
1682	No.....	681.31		238.46			919.77
1683	No.....	778.64					778.64
1684	No.....	807.84					807.84
1685	No.....	729.97		194.66			924.63
1686	No.....	364.99					364.99
1687	No.....	316.32					316.32
1688	No.....	240.41		151.83			392.24
1689	No.....	218.99		160.59			379.58
1690	No.....	164.49			\$113.88		278.37
1691	No.....	202.45					202.45
1692	No.....	632.64					632.64
1693	No.....	340.65					340.65
1694	No.....	303.67		113.87			417.54
1695	No.....	303.67		151.83			455.50
1696	No.....	303.67					303.67
1697	No.....	291.02					291.02
1698	No.....	354.28					354.28
1699	No.....	413.65					413.65
1700	No.....	344.55					344.55
1701	No.....	330.92					330.92
1702	No.....	272.52					272.52
1703	No.....	291.02					291.02
1704	No.....	510.98		204.39			715.37
1705	No.....	340.66		306.58		34.07	681.31
1706	No.....	535.32		462.32			997.64
1707	No.....	486.05		535.32			1,021.97
1708	No.....	535.32		291.99			827.31
1709	No.....	240.41					240.41
1710	No.....	225.08				29.20	254.28
1711	No.....	255.50		632.64			888.14
1712	No.....	223.86				97.33	321.19

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

### D.—EXPENDITURE FOR FOOD. (1.)

[For continuation of expenditures of these families, see page 863, *et seq.*]

Budget num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
839		\$20.00		\$12.00		\$4.00	18	\$2.70	120	\$15.00	16	\$4.80
840		25.00		15.00		6.00	10	1.20	100	12.50	15	3.75
841		25.00		14.00		18.00	20	4.00	120	15.00	15	4.50
842				6.00		20.00	40	8.00	120	15.00	16	4.80
843		45.00		72.80			150	30.00	250	25.00	200	60.00
844		20.00		20.00		10.00			120	15.00	25	6.25
845		10.00		21.00		4.00	25	3.75	100	12.50	16	4.00
846		25.00		29.70			30	5.40	150	18.75	20	5.00
847		38.50		30.00		3.50			140	17.50	96	24.00
848		36.00		29.00		1.30	30	4.50	50	6.25	160	40.00
849		18.00		5.00		10.00	20	4.00	96	11.96	12	3.00
850		20.00		13.00		5.00	30	6.00	100	12.50	15	3.75
851		16.00		10.00		15.00	20	4.00	100	12.50	25	6.25
852		39.00		14.00		15.00	30	6.00	120	15.00	70	17.50
853		20.00		15.00		12.00			190	23.75	75	18.75
854		36.00		31.00			40	8.00	120	15.00	150	35.00
855		20.00		24.00		4.00	25	5.00	60	7.50		
856		20.00		40.60		10.00			144	18.00	100	25.00
857		20.00		11.00		25.00	40	8.00	160	20.00	100	25.00
858		25.00		10.00		15.00	40	8.00	150	15.00	96	24.00
859		20.00		28.00					120	15.00	100	25.00
860		20.00		15.00		15.00	20	4.00	60	7.50		
861		40.00		15.00		25.00	20	4.00	120	15.00	150	37.50
862		30.00		24.00			18	3.00	100	12.50	58	17.40
863		20.00		16.00		13.00	20	3.00	120	12.00	60	15.00
864		40.00		26.50		5.00	30	6.00	180	21.60	20	2.40
865		30.00		31.50		3.75	30	4.50	130	16.25	50	12.50
866		30.00		17.25		15.00	60	12.00	175	17.50	120	30.00
867		45.00		46.00		20.00	50	10.00	140	17.00	150	37.50
868		18.00		23.00		16.00	15	3.00	50	6.25	16	4.00
869		40.00		24.00		25.00	20	4.00	100	12.50	50	12.50
870		40.00		24.50		15.00	30	6.00	100	12.50	56	14.00
871		50.00		33.00		20.00	40	6.00	125	15.63	200	50.00
872		30.00		10.00		25.00	120	24.00	150	18.75	230	57.50
873		30.00		45.00			15	2.25	140	17.50	15	3.75
874		25.00		16.50		20.00	20	4.00	136	16.25	20	5.00
875		36.00		21.00					100	12.50	90	22.25
876		35.00		21.88		6.00	50	10.00	100	12.50	50	12.50
877		50.00		38.00		20.00	30	6.00	140	14.00	160	40.00
878												
879												
880												
881						80.00		10.00			104	26.00
882						150.00					52	13.00
883						50.00		2.00				10.00
884						50.00						5.00
885						78.00						
886						70.00		7.20		5.00	96	24.00
887						60.00		7.68		4.80		14.40
888						120.00			150	12.00	208	52.00
889						84.00					84	12.10
890						50.00				8.00		20.00
891												
892						104.00				10.40		
893						80.00			96	9.60	104	23.00
894												
895												
896												
897												
898						96.00		12.00		7.20		
899						104.00						
900						120.00						
901					730	73.00					52	15.60
902						96.00					220	60.00
903						132.00				7.50		15.00
904						78.00		4.32			72	16.00
905						52.00	100	16.00		6.00	100	24.00
906						104.00	104	17.68			130	26.00
907						65.00		8.50			84	21.00
908												
909												
910												
911												
912												

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
913												
914												
915												
916						\$52.00						
917						104.00	100	\$6.50			104	\$20.00
918						80.00		7.00				10.00
919						75.00					102	20.00
920						85.00						
921												
922						156.00					208	52.00
923						125.00						
924						78.00					104	26.00
925						52.00		6.00			100	25.00
926												
927						182.00						25.00
928						90.00						15.00
929												
930												
931												
932												
933												
934												
935												
936												
937				\$24.00		240.00		24.00				72.00
938						156.00		18.00			260	65.00
939						85.00						
940						208.00		12.00			260	65.00
941						175.00					120	24.00
942						140.00						6.00
943						60.00	96	15.36	72	\$5.76	208	58.24
944						175.00						25.00
945						72.00	52	9.32	104	8.40	104	28.00
946		\$35.00		20.00		20.00	60	12.00	45	4.50	90	22.50
947		60.00				30.00			30	3.00	100	24.00
948		50.00		7.50		25.00		15.00		2.50		32.00
949		40.00		5.00		10.00	50	10.00	20	2.00	180	45.00
950		30.00		15.00		30.00	60	12.00	30	3.00	90	26.00
951		40.00		15.00		20.00	100	18.00	50	5.00	250	62.50
952		30.00				30.00	40	8.00	40	4.00	120	30.00
953		50.00		20.00		30.00	50	10.00	40	4.00	120	30.00
954		70.00				45.00			50	5.00	160	38.40
955		50.00		30.00		20.00	50	10.00	40	4.00	250	60.00
956		30.00		20.00		10.00	30	6.00	20	2.00	100	25.00
957		45.00		12.00		20.00	105	21.00	90	9.00	190	47.50
958		40.00		2.00		35.00			60	6.00	150	37.50
959		80.00		10.00		40.00	100	20.00	60	6.00	350	87.00
960		25.00		15.00		20.00			30	3.00	100	25.00
961		80.00				35.00	45	9.00	90	9.00	250	60.00
962		50.00		10.00		20.00					160	40.00
963		60.00		2.80		15.00	40	8.00	40	4.00	100	25.00
964		80.00		12.00		10.00			30	3.00	150	37.50
965		42.00	20	2.80		30.00			60	6.00	150	36.00
966		60.00		17.80		10.00	30	6.00	40	4.00	90	25.50
967		40.00				20.00			20	2.00	60	15.00
968		20.00		50.00			60	10.40	40	4.00	150	37.50
969		50.00				30.00	100	18.00			180	39.00
970		100.00	50	7.50		75.00	200	36.00			390	117.00
971		38.00		10.00		10.00	40	8.00	30	3.00	120	30.00
972		100.00		30.00		20.00			60	6.00	300	75.00
973		55.00		30.00			60	12.00	50	5.00	200	50.00
974		40.00		23.00			30	6.00			140	30.80
975		100.00		20.00		15.00	90	18.00			300	75.00
976		100.00		12.00		20.00			60	6.00	250	60.00
977		90.00				75.00	100	20.00	40	4.00	300	66.00
978		110.00		45.00			90	18.00	60	6.00	400	88.00
979		70.00				60.00	90	19.00	50	5.00	190	47.00
980		30.00		11.40		5.00	40	8.00	30	3.00	90	22.50
981		40.00		20.00		12.00	60	10.80	50	5.00	150	37.50
982		30.00				28.00	50	9.00	50	5.00	150	36.00
983		30.00		4.00		15.00				2.50	96	22.00
984		50.00				35.00			30	3.00	120	30.00
985		60.00				30.00	40	8.80	100	12.00	175	42.00
986		40.00		13.00		20.00			30	3.00	180	45.00



TABLE XIX.—BAR IRON:—COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
987						\$72.00	200	\$30.00			98	\$12.00
988				\$5.75		42.50					90	18.00
989				6.90		70.50					120	19.20
990						48.50	78	10.10			100	15.00
991	\$42.00			4.00			108	15.20			100	16.50
992				11.50		92.00	190	26.10			130	26.00
993				10.50		37.50					100	15.00
994						52.50	180	15.20			210	35.70
995	42.50			4.10							104	14.56
996				11.20		68.50	60	8.40			98	18.60
997	69.00			11.50			180	27.00			140	21.00
998	96.50			18.25			352	52.80			120	24.00
999						86.50	100	12.50			60	12.00
1000						83.00	200	30.00			210	31.50
1001	72.50			4.50			21	3.15			80	16.00
1002				10.00		30.50					110	15.60
1003				5.50		75.00	98	14.70			110	15.40
1004						36.10					96	13.60
1005	50.25			5.50			150	23.50			70	12.60
1006				24.60		38.00	165	24.75			40	7.20
1007	63.50			12.50			54	8.10			70	10.00
1008	57.58			22.00			151	22.65			190	24.00
1009				6.50		61.00	110	17.60			100	18.00
1010				14.00		78.50	104	15.66			86	20.00
1011				11.50		77.50	120	18.00			110	22.00
1012	10.00			8.25		76.50	140	13.04			160	32.00
1013				19.00		82.00	99	11.88			159	23.85
1014				11.25		49.50	98	15.68			118	20.06
1015				17.50		38.00	40	5.00			120	17.00
1016				11.50		81.25	152	22.80			130	26.00
1017				5.10		48.30	56	8.10			160	28.80
1018				25.70		62.30					110	16.50
1019				31.00		135.00	12	1.80				
1020	102.00			10.50			102	14.28			110	22.20
1021				4.25		79.50	72	11.63			125	26.10
1022				4.25		79.50	81	12.15			98	19.60
1023					200	20.00					98	19.60
1024	58.00			13.00			80	12.00			95	13.10
1025					850	106.25		19.20		\$6.50		30.00
1026						100.00				5.00		25.00
1027					1,040	130.00						47.50
1028					1,000	125.00					240	60.00
1029					600	75.00					300	50.00
1030					400	50.00					100	25.00
1031					600	75.00		14.00		3.00		20.00
1032					343	48.00	48	8.64	40	3.60	96	19.20
1033						150.00			60	5.40	125	31.25
1034				52.00	342	47.88	48	8.64			96	24.00
1035					457	64.00	104	18.72	55	5.05	182	45.50
1036						180.00	20	4.00	40	4.40	150	37.50
1037						96.00	23	4.14	20	2.20	110	27.50
1038					700	84.00	32	6.40	30	3.00	48	12.00
1039						36.00	15	3.00	45	4.95	85	25.50
1040					667	80.00			50	5.50	60	15.00
1041						144.00	15	3.00	45	4.95	205	51.25
1042						102.00			92	10.12	245	72.50
1043						52.50	72	11.52	109	12.00	156	37.44
1044						94.00	32	6.40	52	5.20	156	37.44
1045						72.00	30	6.00	45	4.85	176	52.80
1046					600	60.00	15	2.70	30	2.25	104	20.80
1047					560	84.00	52	9.36	20	2.00	195	48.75
1048					400	60.00	30	5.40	20	2.00	96	23.90
1049					80	10.00		10.00			69	13.80
1050					400	50.00		6.00			75	15.00
1051					480	60.00		14.40			96	19.20
1052					560	70.00	100	10.00			96	19.20
1053					576	72.00		11.50			150	30.00
1054						150.00						50.00
1055					440	55.00		12.00			72	14.40
1056						70.00	120	14.40			118	23.50
1057					400	50.00		20.16			96	19.20
1058					800	96.00	35	6.30	30	3.00	180	45.00
1059					1,460	165.20	40	7.20	35	3.50	125	31.25
1060					500	60.00			144	12.96		

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1061					600	\$72.00	48	\$6.72	72	\$7.20	96	\$24.00
1062						120.00			96	3.60	156	53.00
1063						60.00	20	4.00	40	4.40	72	21.60
1064						144.00	20	5.00	60	6.00	175	56.50
1065				\$19.20		96.00	190	27.25			210	37.80
1066				4.10		71.50	80	12.00			120	24.00
1067						69.50					130	15.60
1068						69.50	98	14.10			112	17.25
1069						52.00	20	4.00	50	5.50	104	26.00
1070				18.00		26.00	195	28.50			75	9.25
1071				8.10		62.50	160	24.00			110	19.80
1072					1,200	180.00	72	12.96	140	12.60	240	48.00
1073					500	60.00	12	2.10	75	7.50	72	18.00
1074					720	108.00	60	18.00	60	6.00	144	26.00
1075					514	72.00	24	4.32	25	2.50	140	35.00
1076					600	84.00	15	2.70	65	6.50	100	25.00
1077						72.00	12	2.40	52	5.20	144	43.20
1078						93.00			35	3.50	112	24.64
1079						144.00	23	4.60	60	6.00	104	32.24
1080					1,100	137.50		18.00				37.50
1081						18.00	90	13.50				
1082				24.50		52.00	5	.75			60	9.60
1083						29.00					91	18.20
1084					500	60.00	35	6.30	60	6.00	120	30.00
1085					833	125.00	72	10.80	96	9.60	193	47.25
1086						34.00	126	18.90				7.60
1087					960	120.00					216	43.20
1088					560	70.00	216	21.60			120	24.00
1089					2,250	270.00	312	46.80	100	10.00	624	156.00
1090					400	48.00	104	10.60	50	5.00	72	15.90
1091					353	60.01	45	8.10			94	24.50
1092				255 15.10		60.00	52	9.36			135	33.75
1093						144.00			75	8.25	100	25.00
1094				50 5.50		514 72.00	20	4.00	18	1.80	85	21.25
1095						514 72.00	20	2.80	25	3.15	120	24.00
1096					1,200	120.00	50	9.00	75	7.50	100	25.00
1097					857	120.00			65	7.26	205	51.25
1098						42.00			60	6.00	152	38.00
1099						97.00	23	4.60	52	5.72	72	18.00
1100						120.00	26	5.20	80	8.80	135	33.75
1101		\$36.50		4.25		18.50					80	14.40
1102		81.50		3.00								
1103				17.10							120	24.00
1104						62.50	201	30.15			96	19.80
1105					576	72.00					75	15.00
1106					384	48.00		4.80				40.00
1107					1,200	150.00		25.00			288	64.80
1108					400	50.00		18.00			96	19.20
1109					403	54.00					200	50.00
1110						240.00			60	6.60	210	52.50
1111					750	93.75					108	21.60
1112				19.25		78.50	120	18.00			200	36.25
1113						92.00	112	14.24			100	18.00
1114				8.25		41.50					98	18.00
1115				26.50		78.00	86	13.10			96	23.04
1116		35.50		4.10			78	11.70			108	27.00
1117				12.10		64.50	96	14.40			100	20.00
1118		98.50		12.50			210	33.60			160	29.50
1119		78.50		24.00							102	16.32
1120						62.50					110	21.20
1121							30	4.50			110	19.80
1122				7.50		92.50					312	49.92
1123						82.10	206	30.90			200	36.00
1124		51.50		11.20			100	16.00			115	17.10
1125		65.50		11.75			110	16.50			210	37.80
1126						61.10	106	15.90			125	21.55
1127					480	53.00	42	5.04	36	3.60	36	10.80
1128					678	76.64	46	5.52	38	3.80	50	15.00
1129					470	51.60	48	5.76	28	2.80	50	15.00
1130					550	61.20	36	4.32	38	3.80	48	14.40
1131					530	58.40	48	5.20	40	4.00	38	11.40
1132					506	56.88	84	12.60	42	4.20	45	13.50
1133					531	59.12	38	4.56	36	3.60	50	15.00
1134					470	52.80	30	3.60	45	4.50	48	14.40

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1135					470	\$52.80	30	\$3.60	30	\$3.00	46	\$13.80
1136					720	82.40	50	6.00	48	4.80	48	14.40
1137					480	52.40	30	3.60	40	4.00	36	10.80
1138					492	55.76	46	5.52	48	4.80	60	18.00
1139					686	78.72	45	5.40	50	5.00	68	20.40
1140					498	55.76	48	5.76	39	3.90	52	15.60
1141					590	67.20	39	4.68	42	4.20	50	15.00
1142					624	88.92	75	21.00			52	13.00
1143					550	91.60	90	27.00	60	6.00	100	32.00
1144					1,000	170.00	50	14.00	26	3.00	156	51.48
1145					936	156.00	90	25.20	100	9.00	100	32.00
1146					600	68.00	48	10.56	65	5.85	52	15.60
1147					750	86.00	50	12.50	62	5.58	120	32.40
1148					635	71.80	52	13.52	60	5.40	100	29.00
1149					760	86.00	53	11.66	56	5.04	65	19.50
1150					362	38.96	50	11.00	66	5.94	50	15.00
1151					880	103.00	52	14.00	70	6.30	175	47.25
1152					625	72.00	52	13.00	45	4.05	78	21.84
1153					760	86.40	70	17.50	60	5.40	75	20.25
1154					765	88.00	50	6.00	52	5.20	65	19.50
1155					639	71.76	42	5.04	38	3.80	53	15.90
1156					612	68.16	36	4.32	46	4.60	51	15.30
1157					508	56.12	36	4.32	32	3.20	48	14.40
1158					528	57.96	31	3.72	35	3.50	42	12.60
1159					554	62.80	31	3.72	39	3.90	58	17.40
1160					617	68.80	30	3.60	39	3.90	42	12.60
1161					535	59.40	27	3.24	39	3.90	35	10.50
1162					865	99.20	62	7.44	65	6.50	78	23.40
1163					651	72.88	50	6.00	46	4.60	68	20.40
1164					814	92.24	56	6.72	70	7.00	82	24.60
1165					792	90.20	42	5.04	43	4.30	63	18.90
1166					685	77.80	47	5.64	58	5.80	63	18.90
1167					875	100.40	60	7.20	62	6.20	78	23.40
1168					712	80.96	40	4.80	55	5.50	58	17.40
1169					509	56.24	35	4.20	45	4.50	53	15.90
1170					562	61.36	24	2.88	36	3.60	39	11.70
1171					582	65.24	55	13.75	52	4.68	90	22.50
1172					635	70.80	42	10.50	40	3.60	79	21.33
1173					690	78.80	50	13.50	50	4.50	85	32.50
1174						180.50		12.00	60	5.40	114	28.40
1175					748	82.96	55	13.75	50	4.50	250	67.50
1176					698	79.84	45	11.25	50	4.50	80	21.60
1177					931	104.50	60	15.00	50	4.50	120	31.20
1178					900	104.00	62	16.50	60	5.40	120	32.40
1179					730	82.40	60	15.00	50	4.50	90	24.30
1180					735	83.40	40	8.80	70	6.30	70	21.00
1181					600	78.00					90	24.00
1182						60.00						
1183						72.00					80	22.00
1184						56.25					85	21.25
1185					500	75.00					100	25.00
1186					900	120.00					200	50.00
1187					375	60.00						
1188					840	95.06	46	5.52	61	6.10	75	22.50
1189					600	63.40	50	6.00	40	4.00	50	15.00
1190					480	53.60	36	4.32	37	3.70	38	11.40
1191					692	42.56	38	4.56	45	4.50	50	15.00
1192					700	81.00	50	6.00	60	6.00	60	18.00
1193					730	87.60	42	5.04	50	5.00	48	14.40
1194					468	52.16	40	4.80	40	4.00	35	10.50
1195					850	99.00	50	7.20	75	7.50	00	27.00
1196					470	52.80	46	5.52	38	3.80	50	15.00
1197					492	54.56	48	5.76	40	4.00	45	13.50
1198					448	49.76	39	4.68	40	4.00	46	13.80
1199					505	55.40	30	3.60	36	3.60	48	14.40
1200					500	56.00	36	4.32	36	3.60	38	11.40
1201					545	62.40	45	5.40	36	3.60	40	12.00
1202					410	44.80	36	4.32	30	3.00	40	10.00
1203					600	68.00	40	4.80	45	4.50	35	10.50
1204					410	49.70	60	7.20	38	3.80	38	11.40
1205					566	61.92	25	3.00	40	4.00		
1206					682	77.88	32	4.16	58	5.80	50	15.00
1207					450	38.40	40	4.80	36	3.60	46	13.80
1208					606	69.12	52	6.24	69	6.90	60	18.00



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1209					800	\$90.00	50	\$6.00	60	\$6.00	66	\$19.80
1210					490	56.10	40	4.80	38	3.80	47	14.10
1211					785	91.65	35	4.20	70	7.00	50	15.00
1212					573	65.04	50	6.00	40	4.00	58	17.40
1213					712	81.48	60	7.20	62	6.20	50	15.00
1214					502	56.56	32	3.84	36	3.60	56	16.80
1215					530	60.60	48	5.76	40	4.00	50	15.00
1216					502	55.76	33	3.96	38	3.80	40	12.00
1217						102.00	52	13.00	52	4.68	100	27.00
1218					800	92.00	56	14.00	70	6.30	210	56.70
1219					400	44.00	52	11.44	50	4.50	75	22.50
1220					705	83.20	52	13.00	59	5.31	106	26.50
1221					825	93.00	40	8.80	50	4.50	90	27.00
1222					865	95.78	50	12.50	30	2.70	143	39.61
1223						99.50	45	11.25	33	3.00	100	27.00
1224					480	53.20	50	11.00	52	4.68	80	24.00
1225						100.92	52	14.00	50	4.50	100	27.00
1226					600	68.00	50	11.00	60	5.40	60	18.00
1227					398	44.64	42	9.24	35	3.15	45	13.50
1228					700	80.00	50	11.00	50	4.50	60	18.00
1229					425	48.00	40	8.80	30	2.70	68	20.40
1230					570	64.60	40	10.00	38	3.42	58	15.66
1231					901	103.52	40	10.00	50	4.50	65	16.25
1232					460	50.80	40	8.80	50	4.50	55	16.50
1233					460	51.20	40	8.80	40	3.60	60	18.00
1234					1,185	133.80	55	12.10	60	5.40	80	24.00
1235					750	86.00	46	10.12	50	4.50	65	19.50
1236					425	23.00	46	11.12	30	2.70	60	18.00
1237					1,040	119.60	60	13.20	70	6.30	100	32.00
1238					770	88.40	60	15.00	75	6.75	136	36.72
1239					870	100.00	60	15.00	52	4.68	52	15.04
1240					807	89.34	50	12.50	35	3.15	104	28.08
1241						95.00	40	10.80	60	5.40	200	50.00
1242						140.50	50	12.50	40	3.60	120	42.40
1243					883	102.57	70	17.50	65	5.85	320	90.00
1244					1,134	131.04	60	15.00	67	6.03	150	37.50
1245					1,092	123.04	75	18.75	70	6.30	110	33.00
1246						87.50	52	13.00	52	4.68	110	29.70
1247					945	113.40	62	15.50	60	5.40	182	45.50
1248						120.00	70	17.50		10.00	275	74.25
1249					750	96.00	52	13.00	40	3.60	156	42.12
1250					575	66.00	40	8.80	50	4.50	60	18.00
1251					480	53.60	50	11.00	40	3.60	60	18.00
1252					410	45.60	50	11.00	38	3.42	50	15.00
1253					490	54.40	50	11.00	50	4.50	60	18.00
1254			50	\$6.25		52.00		6.00	104	12.48	104	26.00
1255						75.00	50	10.00	50	5.50	75	18.75
1256			150	19.50		6.00	8	1.00	100	10.00	70	17.50
1257			250	37.50		25.00	48	7.20	50	5.00	60	12.00
1258			325	42.25		25.00	12	2.16	50	5.00	104	23.40
1259			150	18.00		70.00	5	.90	75	7.50	150	30.00
1260					610	68.52	37	4.44	36	3.60	44	13.20
1261					561	63.32	35	4.20	41	4.10	48	14.40
1262					536	59.52	10	1.20	38	3.80	56	16.80
1263					663	75.56	38	4.56	43	4.30	50	15.00
1264					609	69.08	28	3.36	38	3.80	52	15.60
1265					480	54.40	31	3.72	35	3.50	40	12.00
1266					516	57.08	31	3.72	31	3.10	43	12.90
1267					505	56.76	35	4.20	36	3.60	50	15.00
1268					843	95.76	60	7.20	62	6.20	72	21.60
1269					405	45.00	36	4.32	36	3.60	39	11.70
1270					516	57.68	40	4.80	35	3.50	39	11.70
1271					500	56.00	33	3.96	36	3.60	48	14.40
1272					560	63.20	50	6.00	45	4.50	52	15.60
1273					982	126.80	60	15.00	36	3.24	120	33.60
1274					760	113.00	52	15.60			120	42.00
1275					565	61.80	39	4.68	50	5.90	55	16.50
1276					499	56.56	41	4.92	39	3.90	66	19.80
1277					657	75.16	35	4.20	51	5.10	56	16.80
1278					670	76.40	60	7.20	52	5.20	60	18.00
1279					862	98.64	46	5.52	58	5.80	73	21.90
1280						125.00	52	13.00	52	4.68	150	37.50
1281					940	107.80	52	13.00	60	5.40	104	28.08
1282						150.00	104	26.00	50	4.50	350	94.50

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1283					617	\$70.54	52	\$13.00	30	\$2.70	75	\$18.75
1284					650	85.00					150	35.00
1285						62.00	25	5.00			100	25.00
1286					450	65.00						
1287					450	54.00					20	6.00
1288						158.50	67	16.75		4.00	100	25.00
1289					1,310	147.20	73	18.25	75	6.75	156	39.00
1290					802	96.24	36	8.92	50	4.50	75	23.50
1291					550	60.00	50	11.00	60	5.40	78	23.40
1292					555	62.88	23	2.76	39	3.90	48	14.40
1293					850	98.40	55	14.85	70	6.30	200	54.00
1294					644	72.56	42	5.04	55	5.50	58	17.40
1295					803	91.04	52	6.24	60	6.00	58	17.40
1296					618	70.16	40	4.80	50	5.00	58	17.40
1297					480	54.40	52	6.24	55	5.50	65	19.50
1298					490	54.12	48	5.76	32	3.20	55	16.50
1299					460	51.20	42	5.04	40	4.00	57	17.10
1300					825	96.00	50	13.50	60	5.40	68	18.36
1301					350	38.00	45	9.90	40	3.60	52	15.60
1302					705	80.40	60	13.20	42	3.78	75	22.50
1303					650	72.00	50	13.50	50	5.00	50	15.00
1304			325	\$45.50		48.00			60	6.00	200	40.00
1305					720	82.00	50	12.50	52	4.68	120	32.40
1306					500	56.00	35	7.70	40	3.60	60	15.00
1307					510	56.00	48	5.76	36	3.60	40	12.00
1308					480	54.00	40	4.80	42	4.20	36	10.80
1309					512	56.16	50	6.00	42	4.20	66	19.80
1310					790	91.20	52	6.24	60	6.00	62	18.60
1311					510	57.90	42	5.04	48	4.80	50	15.00
1312					710	81.20	50	11.00	60	5.40	60	18.00
1313					910	103.80	55	13.75	52	2.60	104	26.00
1314					855	97.60	52	11.44	56	5.04	110	33.00
1315						158.60		17.00		3.50		30.00
1316					475	52.60	36	9.00	30	2.70	62	18.60
1317						180.50	52	14.00	50	4.50	178	48.06
1318					840	96.00	75	18.75	60	5.40	70	18.90
1319					700	80.00	60	15.00	75	6.75	100	28.00
1320					907	103.56	52	14.52	52	4.68	104	27.04
1321					400	44.00	50	11.00	38	3.42	100	28.00
1322			60	7.20		50.00	50	9.00	40	4.00	72	18.00
1323					572	64.24	20	2.40	31	3.10	31	9.30
1324					896	102.08	10	1.20	48	4.80	48	14.40
1325			205	22.75		39.00	5	1.00	75	7.50	200	50.00
1326					518	56.64	50	6.00	38	3.80	52	15.60
1327					703	70.64	35	4.20	50	5.00	40	12.00
1328					610	68.40	40	4.80	35	3.50	30	10.80
1329					468	53.16	36	4.32	36	3.60	38	11.40
1330					520	57.20	48	5.76	38	3.80	38	11.40
1331					430	46.40	30	3.60	45	4.50	36	10.80
1332					505	55.00	39	4.68	33	3.80	46	13.80
1333					506	55.92	40	4.80	45	4.50	62	18.60
1334			100	20.00	250	37.50	100	32.00	156	15.60	100	25.00
1335					710	80.80	50	12.00	50	4.50	90	27.00
1336					530	59.00	50	6.00	65	6.50	56	16.80
1337					694	78.64	31	3.72	40	4.00	48	14.40
1338					460	49.20	28	3.36	38	3.80	41	12.30
1339					590	67.20	46	5.52	48	4.80	60	18.00
1340					740	84.00	47	12.69	42	3.78	75	20.25
1341					890	100.80	50	12.50	60	5.40	150	37.50
1342					792	90.24	60	15.00	50	4.50	156	40.56
1343					500	68.00						
1344						110.00					200	50.00
1345					575	78.00					150	40.00
1346					354	53.10					70	18.00
1347					1,200	145.00					300	75.00
1348					1,100	149.00	35	7.00			210	60.00
1349					500	56.00	28	3.30	36	3.60	43	12.90
1350					496	55.12	39	4.68	40	4.00	40	12.00
1351					508	57.04	30	3.60	40	4.00	28	8.40
1352					810	92.80	60	7.20	55	5.50	45	13.50
1353					620	70.80	50	6.00	35	3.50	40	12.00
1354					620	70.80	45	5.40	40	4.00	48	14.40
1355					750	95.00	100	25.00			50	15.00
1356						90.00	25	6.25	36	3.24	174	43.50

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.	
1357						\$162.75	50	\$12.50	60	\$5.40	166	\$41.50	
1358					1,053	121.24	70	18.90	75	6.75	104	28.08	
1359					400	44.00	40	8.80	30	2.70	40	12.00	
1360					440	48.20	50	11.00	45	4.05	50	15.00	
1361					412	44.96	47	10.34	40	3.60	60	18.00	
1362					410	44.80	40	8.80	47	4.23	75	22.50	
1363					1,773	210.43	55	15.40	65	5.85	200	50.00	
1364						115.00	60	15.00		5.00	100	25.00	
1365						85.00	60	15.00	50	4.50	86	23.22	
1366					935	105.89	50	11.00	50	4.50	100	30.00	
1367					495	54.80	50	11.00	45	4.05	60	18.00	
1368			60	\$7.50		250.00	250	37.50	200	20.00	500	100.00	
1369			200	24.00		26.00	40	7.20	50	6.00	80	20.00	
1370			300	42.00		40.00	60	9.00	75	9.00	200	50.00	
1371			200	28.00		26.00	4	.60			100	25.00	
1372			300	39.60		100.00	100	18.00	150	16.50	400	100.00	
1373						100.00	40	7.20			100	25.00	
1374			1,300	170.00		125.00	300	48.00	250	25.00	400	80.00	
1375			500	70.00		100.00	60	10.20	180	21.60	250	62.50	
1376			100	13.00		90.00	30	5.40	130	15.60	260	65.00	
1377				17.00		175.00	150	30.00	20	2.00	400	100.00	
1378			200	26.00		30.00	30	5.40	80	8.80			
1379			50	7.00		100.00	40	6.00	200	20.00	100	25.00	
1380			300	39.00		75.00	60	10.80	130	13.00	200	50.00	
1381			100	12.50		75.00	5	.80	50	5.00			
1382						39.00				2.75		.60	
1383					593	65.92	18	2.16	38	3.80	43	12.90	
1384					623	69.48	32	3.84	38	3.80	48	14.40	
1385					601	59.72	10	1.20	38	3.80	55	16.50	
1386					540	58.40	18	2.16	35	3.50	25	7.50	
1387					620	66.40	46	12.42	45	4.05	50	12.50	
1388					450	54.00							
1389					850	90.00	43	10.75	42	3.78	73	19.15	
1390					580	61.60	28	6.16	60	5.40	50	15.00	
1391						89.50					125	47.00	
1392					518	57.84	50	6.00	40	4.00	48	14.40	
1393					410	42.80	52	11.44	46	4.14	55	16.50	
1394					1,050	158.00	50	14.00	60	6.00	104	33.28	
1395					282	48.40	30	9.00			100	35.00	
1396					700	100.00	50	15.00	30	3.00	80	23.00	
1397					800	105.00					175	42.00	
1398			30	4.50		60.00	30	4.80	100	10.00	100	25.00	
1399			200	30.00		45.00	10	1.60	130	14.30	140	35.00	
1400			100	12.50		19.50	20	3.00	50	5.00	100	25.00	
1401			50	7.00		66.00	60	10.80	50	6.00	160	40.00	
1402			100	12.00		60.00	12	2.16	50	5.00	75	18.75	
1403						75.00	10	2.00	50	5.00	150	37.50	
1404				15.00		40.00	20	5.00	200	20.00	30	7.50	
1405	\$40.00			28.00		12.00	12	3.00	200	20.00	50	15.00	
1406	20.00			47.00			20	4.50	290	29.00	50	12.50	
1407	40.00			14.00		27.00	10	2.50	120	12.00	50	12.50	
1408	16.00			25.00		30.00			160	16.00	50	12.50	
1409	20.00			32.00		16.00			90	9.00	10	2.50	
1410	15.00			20.00		30.00			100	10.00	24	6.00	
1411				28.00			10	1.50					
1412	6.00			13.00		16.00			120	12.00	10	2.50	
1413	16.00			33.00		30.00	10	2.20	130	19.00	16	4.00	
1414	12.00			21.00			15	2.25	100	10.00	12	3.00	
1415	10.00			10.00		15.00	10	2.20	80	8.00	24	6.00	
1416	15.00			28.00		5.00	6	1.50	120	12.00			
1417	20.00			27.00		4.00	10	2.50	200	20.00	2	.50	
1418	18.00			41.00			10	2.00	100	10.00	30	7.50	
1419	15.00			65.00			15	3.00	130	13.00	50	12.50	
1420	30.00			64.00			25	5.00	150	15.00	150	30.00	
1421	30.00			26.90					100	10.00	90	22.50	
1422	18.00					900	90.00	100	20.00	50	5.00	16	4.00
1423						800	90.00	12	1.80	130	10.40	156	43.68
1424			60	6.00		312	39.00	60	9.00	60	6.00	10	2.50
1425						310	31.60	6	1.20	100	10.00	75	22.50
1426					1,450	160.50	60	12.00	60	6.00	52	14.56	
1427			300	36.00		510	62.50	60	15.00	150	15.00	100	25.00
1428						800	86.00	150	30.00		104	26.00	
1429						800	86.00	30	6.00	150	12.00	52	15.60
1430			75	9.00		780	93.60	78	12.48	100	10.00	156	89.00



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1431			312	\$31.20	624	\$62.40		\$5.20	150	\$15.00	104	\$31.20
1432			200	26.00	450	56.70	60	12.00	75	7.50	125	31.25
1433					1,100	136.00			80	8.00	130	35.10
1434			740	78.50	250	27.50	100	25.00	300	30.00		
1435			220	24.00	260	26.00	30	6.00	80	8.00	60	18.00
1436			250	30.00	550	55.00	60	15.00	156	15.60	104	31.20
1437			200	22.00	728	72.80		5.20	156	15.60	110	27.50
1438			75	7.50	760	78.00	50	7.50	150	15.00	100	25.00
1439		\$16.00		14.00		40.00	16	3.20	90	9.00	60	15.00
1440			400	48.00	365	36.50	6	1.20	50	5.00	75	18.75
1441			240	28.80	500	60.00	30	6.00	250	25.00	80	22.40
1442			175	22.00	300	36.00	104	20.80	100	10.00	156	39.00
1443					685	95.80			104	10.40	100	27.00
1444					750	79.00	50	10.00	100	10.00	60	16.20
1445			35	4.20	450	57.00			50	5.00	100	25.00
1446					365	45.53	50	8.00	100	10.00	100	27.00
1447			60	7.20	156	19.50	100	25.00	52	5.20	30	9.00
1448			26	42.80	260	31.20	52	13.00	130	13.30	60	18.00
1449			260	28.60	780	78.00			160	16.00	100	25.00
1450			200	25.00	370	46.20	60	8.40	150	15.00	200	60.00
1451			350	38.50	156	19.50	104	20.80	160	16.00	110	33.00
1452			420	42.00	260	26.00	10	1.50	100	10.00	100	25.00
1453			55	6.05	520	57.20	25	5.75			52	14.04
1454			260	20.80	400	44.00	100	20.00	160	10.00	70	21.00
1455	210	23.10	260	26.50			60	12.00	80	8.00	100	25.00
1456					600	60.00	103	13.39	92	9.20	104	31.20
1457					600	60.00	130	19.50	100	10.00	140	35.00
1458					813	97.00	100	15.00	85	8.50	130	39.00
1459					1,000	120.00	144	18.62			120	30.00
1460					1,000	120.00	138	20.70	100	10.00	120	36.00
1461					450	45.00	104	15.60	55	5.50	85	25.50
1462						30.88		15.05			120	36.48
1463						40.14						14.48
1464						20.07	78	17.56			336	81.06
1465					340	70.45	52	10.04			240	69.48
1466					104	20.07	26	6.37			152	36.67
1467						70.44		3.86			240	69.48
1468						70.44					288	83.38
1469						5.02					356	103.06
1470						10.04		7.72				15.05
1471						13.90	60	11.58			144	21.38
1472											104	30.11
1473					100	24.12	52	10.04			100	24.12
1474					104	15.05	52	11.04			78	18.76
1475					312	60.22					144	36.09
1476						28.95		5.20				9.65
1477					416	61.76	52	12.54			416	120.43
1478						15.05		5.02			208	45.16
1479					216	41.69	104	20.07			192	46.32
1480					104	20.07	52	10.04			208	50.38
1481					312	54.19		7.33			156	37.63
1482					52	10.04					60	17.37
1483						30.11					300	86.85
1484								2.32			104	12.54
1485						48.25	26	5.02			208	41.49
1486												
1487						15.44						15.05
1488						20.07	48	10.04			72	17.37
1489						13.90	52	15.05			144	41.69
1490					520	54.04		15.05			192	37.06
1491					208	48.25					96	21.62
1492						70.44		20.07				66.01
1493						48.25		15.05				27.02
1494						48.25						50.18
1495						70.25		20.07			312	75.27
1496						22.77	26	5.02				13.59
1497						25.09		10.04			104	22.30
1498						10.04		2.51			52	11.04
1499						10.04		5.36			52	10.04
1500					204	30.11		7.53			144	36.13
1501					100	14.47	104	16.21			144	34.74
1502						50.18		3.86				28.95
1503						10.04		11.58			52	11.29
1504						13.90					208	60.22

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1505					104	\$16.06		\$5.02			144	\$30.57
1506						15.44		5.02			144	27.79
1507						18.33						12.54
1508					96	23.55		.96			144	29.18
1509												
1510						14.67					40	11.58
1511						46.32		9.26			144	41.69
1512						19.30		3.65				15.44
1512					104	25.09		10.04			104	25.09
1514						25.09		11.04				37.63
1515	120	\$18.53									70	18.91
1516	108	18.76							48	\$5.40	80	21.62
1517						23.16		3.86			80	21.62
1518	220	33.97						8.68				48.25
1519	120	18.53								13.90	200	54.04
1520	100	15.44							60	6.37	60	16.21
1521	100	15.44						4.82			40	10.81
1522	150	23.16						4.63			80	23.16
1523	24	3.70							48	4.63	72	18.53
1524	240	37.06						14.47			130	35.13
1525	96	14.82						4.63			120	34.74
1526	120	18.53							48	6.95	80	21.62
1527						16.60			36	4.86	130	33.20
1528	240	41.69						6.95	96	9.26	140	37.83
1529	60	10.42						7.72			72	19.45
1530	120	18.53						4.82			24	6.48
1531	700	108.08						18.53	192	18.53	384	104.22
1532					104	17.95			48	4.63	160	27.02
1533	180	27.79						4.63	24	3.47	160	43.23
1534	120	18.53						11.58	24	3.47	100	28.95
1535	200	30.88									72	19.45
1536						5.79		2.32				5.79
1537						46.32		3.47		4.82		57.90
1538						32.42		5.02		5.79		19.30
1539						115.80		10.61				23.16
1540						57.90		3.38		5.98		79.52
1541						37.06		2.89				
1542						67.55						3.47
1543						86.85						10.19
1544						46.32		6.75				34.74
1545						57.90						19.30
1546						46.32		5.79				8.34
1547						43.42						
1548						69.48		9.65		9.65		19.30
1549						67.55		4.82				12.04
1550						18.53		2.89		5.21		3.86
1551						41.69		5.79				
1552						42.46						24.32
1553						23.16						
1554						46.32		2.78		9.26		44.93
1555			60	\$5.56	144	22.23			144	24.09	60	20.84
1556					280	74.11			96	12.04	144	43.08
1557					144	22.23		12.04			96	28.72
1558					144	22.23			48	8.11	48	22.23
1559					144	22.23						
1560					288	44.47			156	25.24	60	31.50
1561					480	74.11			72	11.58	60	20.61
1562					192	29.64			48	6.02	96	31.50
1563					288	44.47				17.83	120	38.21
1564					336	50.95			72	10.65	120	35.90
1565					144	23.62			60	13.90	48	16.68
1566					192	29.64			36	6.02	120	34.97
1567					208	25.09						
1568						50.18						
1569			50	6.03	240	55.00			24	4.63	210	48.64
1570					384	59.29					72	13.90
1571						55.58						
1572						46.32		8.68				11.58
1573						57.90						7.14
1574						86.85						4.82
1575						46.32						
1576						44.39		4.97		2.32		7.72
1577			198	23.56								
1578					312	37.13					52	14.85

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bnd- get num- ber.	Beef.		Hog products.		Meat (not specified.)		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1579	182	\$17.33	391	\$46.53				\$2.97				\$9.28
1580					283	\$33.68					48	11.42
1581	148	14.09		16.54				4.28			32	9.28
1582	260	24.75	96	9.14				5.00				
1583	264	25.13	160	15.23								
1584				14.66	278	33.08					52	13.66
1585					230	27.37						
1586					300	28.56						
1587		49.50						3.81			156	40.84
1588			213	25.35				3.71				
1589												
1590			275	32.73								
1591	123	14.64	120	11.42							26	9.28
1592			208	24.75							52	14.85
1593	240	22.85						7.43				
1594												
1595					196	23.32						
1596					313	37.25					32	9.14
1597	221	26.30	156	23.52								
1598						22.61						
1599				25.30		63.26		12.17			156	37.96
1600				25.31		75.92		9.73			104	25.31
1601				37.96		126.53		12.65			208	50.61
1602			208	25.30	520	85.41			104	\$12.65	52	16.87
1603				18.98		31.63		7.30			80	19.47
1604				12.65		37.96		4.87			104	25.30
1605						50.61		7.30			70	17.03
1606			100	12.17		50.61					100	24.33
1607				25.30		69.59		6.33			104	25.30
1608				25.31		37.96		7.30			52	12.65
1609				18.98		56.94		6.33			104	25.30
1610				25.31		63.26		7.30			130	31.63
1611				18.98		63.26					100	24.33
1612				18.98		56.94		4.87			70	17.03
1613				12.65		50.61			52	6.33	52	12.65
1614				25.30		69.59					104	25.30
1615						50.61					60	14.60
1616				12.65		56.94					76	18.49
1617				18.98		88.57					156	37.96
1618			78	12.65		42.18		6.33			104	25.30
1619				25.30		101.22					104	25.30
1620				25.30		37.96			76	9.25	76	18.49
1621			156	25.63	300	60.83		6.33	52	6.33	76	18.49
1622				18.98		50.61		6.33			60	14.60
1623				12.65		63.26		6.33			52	12.65
1624						63.26			30	3.65	104	25.31
1625						151.83		12.65			260	63.26
1626				25.30		44.28		6.33	26	3.16	76	18.49
1627				18.98		82.24		9.73			156	37.96
1628				18.98		88.57					104	25.30
1629						37.96		4.87	26	3.16	52	12.65
1630						50.60		6.33	26	3.16	52	12.65
1631				12.65		37.96		6.33			76	18.49
1632				18.98		31.63		7.30	26	3.16	52	12.65
1633						50.61		6.33			76	18.49
1634				12.65		63.26		4.87			52	12.65
1635				18.98		37.96		6.33			52	12.65
1636				25.30		75.92		6.33	26	3.16	104	25.30
1637				18.98		88.57		9.73			104	25.30
1638				18.98		63.26		6.33			100	24.33
1639				12.65		50.61					100	24.33
1640				18.98		94.90					156	37.96
1641			52	8.43		50.61			20	2.43	52	12.65
1642				25.30		101.22		6.33			208	50.61
1643				12.65		50.61		7.30	15	1.82	76	18.49
1644				18.98		63.26		6.33	52	6.33	52	12.65
1645				25.30		126.53			52	6.33	156	37.96
1646				12.65		44.28		6.33	26	3.16	52	12.65
1647						50.61		4.87			52	12.65
1648						37.96		7.30	26	3.16	52	12.65
1649				18.98		69.59			52	6.33	52	12.65
1650				18.98		31.63			26	3.16	30	7.30
1651				18.98		56.94			52	6.33	52	12.65
1652				12.65		37.96		12.65	26	3.16	52	12.65



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES -Continued.

**D.—EXPENDITURE FOR FOOD. (E.)—Concluded.**

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1653						\$75.92		\$6.33			156	\$37.96
1654			100	\$16.30		50.61		7.30			140	34.06
1655			40	5.11		50.61		7.30			200	48.66
1656			60	11.19		63.26		7.30			140	34.06
1657			40	5.60		50.61		6.03			150	36.56
1658			70	12.65		75.92		7.30			156	37.96
1659			160	26.03		101.22		12.17			208	50.61
1660			312	37.96		125.72			76	\$9.25	156	53.04
1661				25.31		62.26					104	25.31
1662			150	24.33		63.26		9.73			156	37.96
1663			100	16.22		50.61		9.73			208	50.61
1664			60	9.73		37.96		12.65			104	25.30
1665			100	16.22		56.94		9.73			156	37.96
1666			60	9.73		37.96					100	24.33
1667			104	16.79		55.94		12.65			156	37.96
1668			50	8.03		37.96					104	25.31
1669			70	11.44		63.26		9.73			156	37.96
1670			52	8.43		50.61					104	25.30
1671			100	16.30		63.26		9.73			156	37.96
1672			60	9.73		44.28		9.73			104	25.30
1673			104	16.79		50.61		7.30			104	25.30
1674						48.66						
1675												
1676				8.43		37.96		6.33			52	12.65
1677				17.03		50.61		9.73			104	25.30
1678			156	25.30		101.22		9.73			208	50.61
1679			156	15.82		82.24		12.17			200	53.58
1680			100	12.17		50.61		9.73			350	73.00
1681			100	16.06		63.26		4.87			104	25.31
1682			104	16.87		88.57		7.30			208	50.61
1683			80	14.60		56.94		7.30			156	37.96
1684			80	14.60		63.26		9.73			156	37.96
1685			120	14.60		56.94		9.73			200	48.66
1686			90	10.22	200	29.20					52	12.65
1687						44.29					104	25.31
1688						44.28					156	31.63
1689						37.96						25.30
1690						37.96					104	16.87
1691												
1692						126.53		6.33			104	26.28
1693						75.92					76	18.49
1694				25.30		37.96		6.33			156	37.96
1695				12.65		88.57		9.73			104	25.30
1696				12.65		37.96		6.23	26	3.16	52	12.65
1697				12.65		44.28					100	24.33
1698				12.65		50.61		6.33			52	12.65
1699				12.65		88.57		6.33			100	24.33
1700				12.65		56.94		6.33			52	12.65
1701						44.28		6.33	52	6.33	40	9.73
1702				12.65		37.96		4.87			52	12.65
1703				12.65		50.61		6.33			52	12.65
1704				25.30		75.92		12.65			156	37.96
1705				25.31		113.88		25.31			156	37.96
1706				12.65		101.23		18.93			208	50.61
1707				18.93		177.14		31.62			208	50.61
1708				25.31		101.22		25.31			208	50.61
1709						31.63					104	18.93
1710						22.14						
1711						126.53		12.65			260	63.26
1712												

### D.—EXPENDITURE FOR FOOD. (2.)

[For conclusion of expenditures of these families, see pages 875, *et seq.*]

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
839	6	\$3.60	12	\$3.00	150	\$15.00			10	\$9.00	\$6.00		
840			48	12.00	160	16.00	4	\$2.40	3	3.00			
841			50	12.50	190	19.00			20	17.00	6.00		
842					160	16.00			18	15.00	12.00		
843	24	12.00	100	25.00	500	50.00	6	3.70	25	20.00	12.00		
844			50	12.50	160	15.00	6	3.60	15	12.50			\$8.00
845	5	3.00			250	22.50			6	4.80	6.00		
846	6	3.60	40	10.00			8	4.80	16	16.00	8.00		
847	6	3.60	90	27.00	250	25.00	3	1.80	10	9.00			4.00
848	16	12.80	50	12.50	300	28.50			18	16.00	6.00		14.00
849	6	3.60	40	10.00	150	15.00	2	1.30	3	3.00	10.00		
850			50	12.50	200	20.00	3	1.80	10	9.00	5.00		
851			40	10.00	200	19.00	6	3.60	15	13.00	6.00		
852			40	10.00	150	14.50	4	2.40	16	14.40			
853	12	7.20	90	27.00	300	30.00	6	4.20	14	12.60	12.00		
854	6	4.20	100	30.00	290	29.00	6	4.20	16	14.40	12.00		20.00
855	3	1.95	48	14.40	190	19.00	3	2.10	10	9.00	8.00		
856	10	6.00	96	33.60	250	25.00	3	2.10	12	19.00		\$6.30	20.00
857	6	3.00	100	25.00	200	20.00			20	16.00			
858	12	7.80	50	15.00	200	20.00			12	9.60			
859	12	6.00	50	15.00	230	20.70	4	3.20	10	8.00	10.00	9.00	20.00
860			48	12.00	160	16.00			10	9.00			15.00
861	18	10.80	100	30.00	350	35.00	8	4.00	20	18.00		1.80	
862	20	12.00	50	15.00	175	17.50	4	2.40	9	7.20		1.20	
863			60	15.00	250	23.00			14	12.60	7.00		
864	12	7.20	50	15.00	300	28.50	5	3.00	20	16.00	5.00	1.50	
865	6	3.00	40	12.00	160	16.60			10	9.00	10.00		24.00
866	1	.60	48	14.00	300	28.50	6	3.00	15	14.00	10.00	1.00	
867	40	24.00	2	.60	300	30.00			12	9.60		2.25	20.00
868	4	2.00	24	6.00	150	13.50	2	1.20	18	16.00			
869	2	1.20	48	12.00			2	1.20	16	16.00	5.00		
870			50	12.50	260	23.49	3	1.80	30	26.00			
871	20	12.00	100	27.00	300	30.00	12	8.40	30	27.00			
872			60	18.00	300	28.50			12	10.00	12.00		
873	4	2.40	96	24.00	150	15.00			24	21.60			
874	3	1.80	50	12.50	260	14.40	3	1.80	24	21.60			
875	20	12.00	50	15.00	220	22.00			10	8.00	8.00	3.75	9.00
876	24	14.40	12	3.00	300	28.50			20	18.00			16.00
877	24	14.40	75	22.50	400	40.00	12	6.00	12	10.00			
878													
879													
880													
881													
882	26	13.00	52	15.60		15.00			14	7.00			18.25
883	52	26.00	104	31.20		4.00							12.00
884	30	12.00	52	13.00		14.00			15	6.00			5.00
885		10.00		5.00		3.00				4.00			5.00
886	24	12.00	12	4.20	255	17.50			18	7.20			9.76
887			100	23.00		12.00				4.00			8.00
888						12.00				7.20			12.00
889						26.00				12.50			18.25
890	36	18.00				18.00			24	12.00			12.00
891		6.00		12.00		12.00							9.10
892													
893	12	7.00	52	17.00		26.00			12	6.00			
894				6.00		26.00			10	5.00			12.00
895													
896													
897													
898													
899		6.00	203	62.40		24.00			36	14.40		14.40	
900									62	26.00			
901	24	9.60	24	5.92		52.00			12	6.00			
902	52	18.20	52	14.56		15.00			20	10.00			12.00
903	30	12.00	12	3.60		24.00			25	12.50			22.00
904				6.00		40.00				25.00			12.00
905	12	6.00	24	6.72					12	6.00			21.90
906						24.00			18	9.00			8.20
907	26	13.00	26	7.80	260	26.00			52	26.00			
908	52	26.00		2.60		12.00			18	9.00			10.00
909													
910													
911													
912													

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Budget number.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poultry.	Fish.	Milk.
913													
914													
915													
916		\$3. 00		\$10. 00	100	\$8. 00				\$10. 00			
917	17	8. 50	52	15. 60	130	13. 00				10. 40			\$13. 00
918	26	13. 00		10. 00		20. 00			20	10. 00			
919		10. 00				5. 00				12. 00			10. 00
920			52	13. 00		20. 00			25	10. 00			
921													
922	52	31. 20	52	18. 20		52. 00			39	19. 50			
923													
924	24	12. 00	26	7. 80		30. 00			30	15. 00			14. 60
925						12. 00			18	9. 00			12. 00
926													
927	12	6. 00				30. 00			15	7. 50			12. 00
928		12. 00		15. 00		20. 00				18. 00			8. 00
929													
930													
931													
932													
933													
934													
935													
936													
937				24. 00		48. 00		\$9. 60					6. 00
938	52	20. 80	60	15. 00		40. 00			30	15. 00			20. 00
939		26. 00		8. 00		10. 00				12. 00			
940	36	21. 60	104	31. 20		52. 00			36	18. 00			26. 00
941		15. 00		20. 00		40. 00				25. 00			26. 00
942		7. 20		6. 00		12. 00			24	12. 00			12. 00
943	36	18. 00	36	10. 08		18. 00			18	9. 00			9. 10
944		6. 00		12. 00					20	10. 00			21. 90
945	36	21. 60				18. 00			10	5. 00			18. 25
946	26	13. 00	12	3. 60	290	24. 20				7. 00		\$5. 60	20. 00
947	12	6. 00	18	5. 40	200	17. 00				6. 00		5. 90	6. 00
948		10. 00		7. 50		21. 00				7. 50		4. 50	7. 50
949	15	7. 50	8	2. 40	260	20. 80				4. 00		7. 20	6. 00
950	13	6. 50	12	3. 60	300	25. 00				7. 00		4. 20	10. 00
951	12	6. 00	60	21. 00	600	51. 00				13. 00		1. 90	36. 00
952	26	13. 00	12	3. 00	300	25. 50			12	6. 00		4. 10	
953	40	20. 00			300	25. 00	4	2. 00	12	5. 00		2. 00	9. 00
954	40	20. 00	12	3. 60	360	28. 80	2	1. 00	18	7. 20			20. 00
955	50	25. 00			450	37. 00			20	10. 00		2. 00	24. 00
956	12	6. 00	6	1. 80	150	12. 00				5. 00		3. 90	18. 00
957	30	15. 00	12	3. 60	320	28. 80	2	1. 00	20	8. 00			20. 00
958	24	12. 00	36	9. 00	450	40. 50			12	5. 50		1. 50	9. 00
959	50	25. 00			500	45. 00	4	2. 00	10	5. 00		4. 00	25. 00
960	15	7. 50	12	3. 00	300	27. 00	2	1. 50	12	7. 20			12. 00
961	48	22. 00	24	6. 00	450	38. 00				12. 00			9. 00
962	26	13. 00	6	1. 80	250	22. 50			15	9. 00		7. 90	18. 00
963	26	13. 00	12	3. 00	250	22. 00			10	5. 00		2. 10	
964	26	13. 00			400	34. 00	2	1. 00		13. 00			18. 00
965	14	7. 00	18	5. 40	400	34. 00	4	2. 00		6. 25		1. 00	9. 00
966	24	12. 00			200	17. 00			12	6. 00			
967	24	12. 00	24	7. 20	250	22. 50			35	15. 75		4. 40	3. 00
968	48	24. 00			275	24. 75	3	1. 50	12	6. 00		3. 00	9. 00
969	26	13. 00			325	22. 70				16. 00		10. 00	34. 00
970	65	32. 50				50. 00				18. 00			60. 00
971	20	10. 00			200	17. 00			10	6. 00			18. 00
972	80	40. 00			300	27. 00				19. 00			20. 00
973	50	25. 00			300	25. 50			20	10. 00			20. 00
974	14	7. 00	12	3. 00	200	17. 00			20	12. 00		2. 60	4. 00
975	36	18. 00	24	7. 20	600	52. 00	2	1. 00		24. 00		4. 00	25. 00
976	26	13. 00	24	7. 20	400	34. 00			10	4. 00			20. 00
977	50	25. 00	12	3. 60	725	61. 62				7. 50		4. 00	18. 00
978	50	25. 00			600	50. 00				7. 50			20. 00
979	25	12. 50	12	3. 60	300	25. 50			14	8. 40		3. 00	18. 00
980	13	6. 50	2	. 60	200	17. 00			12	9. 00		1. 50	
981	48	24. 00			300	25. 50	1	. 50	20	8. 50		2. 00	22. 00
982	24	12. 00			190	17. 10			14	7. 00		5. 00	18. 00
983	12	6. 00	12	4. 20	150	13. 50			10	5. 00		1. 00	18. 00
984	12	6. 00			180	15. 30			14	8. 40		3. 00	12. 00
985	30	15. 00	12	3. 60	480	40. 80	2	1. 00	12	6. 00		7. 20	20. 00
986	40	20. 00	24	6. 00	300	25. 50	2	1. 50	16	10. 00			9. 00



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
987	3	\$1.50	50	\$12.50	190	\$20.00	4	\$2.25	11	\$5.50		\$4.50	\$11.50
988	4	2.40	50	13.00	190	15.20	4	2.80	16	8.00		3.20	10.24
989	24	14.40	8	2.00	260	20.80			16	8.00			13.00
990	2	1.00	52	13.00	168	13.44			15	7.50			8.50
991	4	2.40	50	12.50	210	16.80	1	.50	10	4.00			
992	15	9.00	25	7.25	310	24.80		1.80	20	9.00		4.50	16.10
993	6	3.00	48	12.00	232	18.60						3.00	20.40
994	6	3.60	65	16.25	280	22.40			30	12.00			14.80
995	3	1.50	52	13.00	170	13.60	3	1.50	14	7.00		3.50	8.00
996	6	3.00	35	8.75	180	14.40	3	1.35	8	4.00		5.20	
997	3	1.50	51	12.75	162	13.00			10	5.00			7.68
998	12	9.60	151	45.00	410	32.25	25	15.00	33	16.50		10.35	28.88
999	3	1.50	90	25.20	260	20.80	17	9.00					14.80
1000	8	4.80	50	12.50	310	24.80	6	3.00	20	10.00		3.00	16.80
1001	2	1.60	52	13.52	178	14.24	4	2.40	20	10.00			13.60
1002	3	1.50	48	12.00	210	16.80			18	9.00			4.40
1003	20	14.00	18	4.50	219	17.50	2	1.20					14.32
1004	3	1.50	40	10.00	192	15.36			13	6.50			8.48
1005	3	1.50	120	30.00	240	19.20	3	1.35	13	6.50		3.75	7.64
1006	3	2.10	40	10.00	180	14.40						9.50	15.60
1007	2	1.60	18	4.68	128	10.24			8	4.50			7.70
1008	21	10.50	48	12.96	240	19.20	12	5.40	30	15.00		8.00	20.00
1009	2	1.20	98	24.50	210	16.80			12	6.00		4.60	14.00
1010	6	3.60	58	7.84	210	16.80	3	1.80	12	6.00		3.50	16.30
1011	20	10.00	84	21.00	340	27.20			13	6.25		4.50	32.10
1012	26	14.50	5	1.25	286	22.88			16	8.00		6.50	13.20
1013	2	1.20	96	24.00	210	14.70			10	5.00		6.25	16.38
1014	3	1.50	98	24.25	195	15.60	3	1.35	16	8.00		3.75	
1015	12	6.00	24	8.00	123	9.70						4.00	10.25
1016	4	2.00	116	29.00	280	22.40	3	1.95	13	7.80		6.50	
1017	5	3.00	53	13.25	248	19.84	5	2.50				4.90	14.40
1018	5	3.20	48	12.25	220	17.60			24	12.00		5.50	12.50
1019					260	20.80			15	7.50		9.00	18.00
1020	10	5.50	70	17.50	261	20.88	4	2.10	16	7.75		4.75	18.20
1021	5	3.60	85	21.25	198	15.50	3	1.95	14	7.50		4.00	18.10
1022	5	3.00	85	21.25	190	15.20	3	1.95	14	7.00		6.10	18.00
1023			60	15.00	58	4.64			30	15.00			21.00
1024					160	12.80			12	6.00		4.00	9.90
1025	6	4.50	48	12.00	338	27.00			20	15.00			8.00
1026	10	7.50	20	5.00	300	24.00			15	12.00			
1027	6	3.00	54	13.50		25.00			10	10.00			10.00
1028			60	15.00	300	24.00			20	10.00			12.00
1029	12	7.20	24	6.00	200	20.00			20	10.00			9.00
1030			12	3.00		12.00				15.00			6.00
1031	8	4.00	36	9.00	250	20.00							5.00
1032	6	3.00	12	3.00	171	12.00	3	1.80	8	4.00		6.48	10.92
1033	12	6.00	12	3.00	171	11.97	3	1.50	30	15.00			21.90
1034	10	5.00	25	6.25	240	24.00	3	1.92	12	6.00		17.60	20.07
1035	12	6.00	36	8.28	96	7.68	4	2.00	10	5.00			10.01
1036	5	3.00	25	7.00	145	14.50	8	4.80	12	7.20		3.25	21.00
1037	5	2.50	18	5.04	100	10.00	5	3.00	8	4.80		1.08	21.90
1038	4	2.00	12	3.00	96	7.68	2	1.20	10	5.00		10.95	10.40
1039	4	2.00	15	4.20	97	9.70	2	1.20	5	2.50		3.60	18.25
1040	8	4.00	12	3.16	60	6.00	3	1.80	12	6.00		10.00	12.00
1041	7	3.50	15	4.20	240	24.00	6	3.60	20	10.00			43.80
1042	20	10.00	32	8.96	374	26.18	5	3.00	20	12.00		10.84	25.00
1043	12	6.00	24	7.20	182	12.74	2	.75	12	7.20			21.90
1044	24	12.00			336	32.24	3	1.80	36	18.00		4.76	20.07
1045	10	5.00	12	3.16	197	13.79	2	1.20	10	5.00		3.36	20.08
1046	6	3.60	24	6.00	75	6.00	12	4.80	10	5.00		1.75	12.00
1047	6	3.60	18	4.50	200	20.00			6	2.40		6.50	10.92
1048	5	3.00	30	7.50	100	10.00	2	1.60	10	5.00		3.05	10.96
1049			48	12.00	257	18.00		3.50	8	4.00			3.50
1050	6	4.80	32	9.00	200	14.00			10	5.00			6.00
1051	12	6.00	48	12.00	270	16.80	16	9.60	10	5.00			6.00
1052	16	9.60	72	18.00	171	12.00			8	2.80			7.20
1053	4	2.40	104	26.00	137	9.60	18	10.80	24	12.00			12.00
1054		5.00		20.00		25.00				25.00			20.00
1055	5	3.00	48	12.00	205	14.00	10	6.00	8	4.00			7.20
1056	8	4.80	80	20.00	300	24.00		4.80	25	12.50			15.00
1057	5	4.00	54	13.50	192	15.36	12	4.80					13.44
1058			00	22.25	171	12.00	3	1.20	16	9.00		9.00	21.90
1059			50	12.25	150	12.00			14	7.00		9.30	10.92
1060	50	25.00			515	35.05	5	2.50	27	10.80		11.64	.....

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1061	29	\$14.50	2	\$0.50	180	\$13.50	2	\$1.00	12	\$4.80	-----	\$8.40	\$15.60
1062	24	12.00	-----	-----	342	24.00	1	.60	12	6.00	-----	5.00	21.90
1063	12	6.00	5	1.50	105	7.30	3	1.20	12	7.20	-----	-----	21.90
1064	6	3.00	14	3.92	152	15.20	4	2.40	12	7.20	-----	3.60	21.90
1065	10	6.00	60	10.20	380	30.40	-----	-----	20	10.00	-----	-----	17.50
1066	2	1.00	90	22.50	-----	-----	-----	-----	15	7.40	-----	2.50	12.10
1067	3	1.35	40	10.00	211	16.85	-----	-----	18	9.00	-----	-----	12.40
1068	4	2.40	52	13.00	225	18.00	-----	-----	10	5.00	-----	-----	-----
1069	-----	-----	-----	-----	120	8.40	-----	-----	8	4.00	-----	1.95	10.92
1070	3	1.90	45	11.00	180	14.40	-----	-----	-----	-----	-----	-----	18.50
1071	4	2.40	70	17.50	270	18.90	3	1.82	10	4.50	-----	6.50	20.80
1072	12	6.00	104	26.00	360	28.80	2	1.00	25	12.25	-----	7.11	21.90
1073	-----	-----	40	10.00	80	6.40	3	1.50	7	2.80	-----	2.00	6.60
1074	52	25.00	15	3.75	436	33.70	4	2.80	15	7.50	-----	17.40	21.90
1075	-----	-----	50	12.50	72	5.88	-----	-----	10	5.00	-----	9.00	21.90
1076	-----	-----	45	11.25	96	8.64	2	1.20	8	4.00	-----	8.60	21.90
1077	26	13.00	24	7.20	-----	-----	1	.60	24	14.40	-----	15.30	11.04
1078	10	5.00	12	3.36	214	15.00	3	1.80	10	6.00	-----	5.05	21.90
1079	12	6.00	12	3.36	344	24.14	2	1.20	-----	-----	-----	13.00	40.15
1080	8	4.80	48	12.00	250	20.00	-----	-----	-----	4.80	-----	-----	7.50
1081	-----	-----	50	12.50	95	7.60	-----	-----	-----	-----	-----	3.00	7.90
1082	5	3.30	40	10.00	210	16.80	-----	-----	-----	-----	-----	11.50	18.50
1083	3	1.50	51	15.30	108	8.64	6	2.40	-----	-----	-----	8.00	-----
1084	-----	-----	96	24.00	125	10.00	-----	-----	12	4.80	-----	9.00	12.00
1085	2	1.00	25	6.25	192	17.28	-----	-----	12	6.60	-----	9.95	10.92
1086	3	2.40	75	20.25	170	13.60	-----	-----	20	9.00	-----	7.00	7.50
1087	6	3.60	215	53.75	360	36.00	15	12.00	24	12.00	-----	-----	24.00
1088	12	7.20	48	12.00	274	19.20	-----	-----	5	2.80	-----	-----	3.00
1089	50	25.00	104	25.50	365	29.20	6	2.40	50	25.00	-----	12.15	30.00
1090	10	6.00	30	7.50	125	10.00	-----	-----	12	7.20	-----	4.75	12.00
1091	5	2.50	12	3.00	168	11.76	3	1.50	7	3.50	-----	8.70	20.07
1092	14	7.20	24	6.96	210	18.90	-----	-----	20	10.00	-----	7.20	21.90
1093	12	6.00	10	2.80	156	15.00	4	2.40	12	6.00	-----	9.70	21.90
1094	42	2.40	15	4.20	135	13.50	-----	-----	6	3.60	-----	1.80	11.04
1095	18	9.00	36	9.00	130	10.40	-----	-----	5	2.00	-----	-----	21.90
1096	8	4.00	10	2.50	371	27.32	-----	-----	12	4.80	-----	10.20	9.10
1097	7	3.50	22	6.16	372	37.20	6	3.60	23	11.50	-----	19.00	21.90
1098	11	5.50	20	5.60	135	13.50	-----	-----	10	5.00	-----	2.00	11.92
1099	6	3.00	19	5.32	210	21.00	3	1.80	12	6.00	-----	2.80	21.90
1100	5	2.50	15	4.20	135	13.50	3	1.80	12	6.00	-----	7.50	21.90
1101	12	7.20	20	5.00	240	19.20	6	3.90	16	8.00	-----	2.50	14.86
1102	10	5.50	40	10.00	310	24.80	-----	-----	22	11.00	-----	5.10	-----
1103	3	2.40	140	35.00	290	23.20	4	2.80	18	9.00	-----	4.90	16.65
1104	-----	-----	72	18.00	85	6.00	-----	2.40	-----	1.00	-----	-----	3.60
1105	24	14.40	12	3.00	257	18.00	-----	4.80	18	9.00	-----	-----	12.00
1106	10	5.00	60	15.00	300	24.00	-----	6.00	-----	6.00	-----	-----	10.00
1107	12	9.60	80	20.16	360	36.00	-----	3.50	12	6.00	-----	-----	19.20
1108	12	7.20	24	6.00	171	12.00	-----	-----	8	4.00	-----	-----	9.60
1109	8	4.80	42	11.72	365	36.50	7	4.20	25	18.75	-----	6.93	87.60
1110	10	6.00	48	12.00	300	24.00	-----	-----	15	7.50	-----	-----	7.80
1111	6	4.80	120	31.50	260	12.80	5	3.00	12	6.00	-----	4.50	12.40
1112	27	13.50	26	6.75	310	24.80	4	1.90	18	9.00	-----	-----	15.50
1113	12	7.20	26	8.50	222	17.80	2	1.28	10	5.00	-----	3.00	9.70
1114	10	5.50	65	16.25	160	12.80	3	1.80	11	5.75	-----	4.10	9.50
1115	1	.60	8	2.24	150	12.00	2	1.30	12	6.50	-----	3.50	13.40
1116	4	2.40	69	17.25	321	25.68	2	1.20	11	5.50	-----	-----	9.36
1117	5	4.00	128	35.84	310	24.80	5	3.50	16	8.00	-----	7.75	27.56
1118	54	27.00	10	2.50	232	26.50	20	10.00	45	22.50	-----	6.50	20.08
1119	3	4.00	14	3.40	161	12.88	-----	-----	12	6.00	-----	-----	7.64
1120	24	12.00	10	2.50	200	23.20	-----	-----	13	6.50	-----	4.50	8.25
1121	20	10.00	10	2.50	170	12.20	-----	-----	14	7.00	-----	3.50	10.60
1122	24	12.00	24	6.00	850	36.00	-----	-----	30	15.00	-----	-----	29.20
1123	36	18.00	10	5.00	380	30.40	4	2.00	22	11.00	-----	-----	11.60
1124	20	10.00	6	3.00	320	25.00	-----	-----	12	6.00	-----	.75	8.32
1125	12	6.00	60	16.20	450	36.00	-----	-----	24	12.00	-----	3.50	14.80
1126	13	7.50	16	4.00	230	18.40	-----	-----	12	6.00	-----	5.50	5.79
1127	36	18.00	30	9.00	220	17.60	3	1.95	10	7.20	-----	12.00	7.08
1128	30	15.00	30	9.00	205	16.40	3	1.80	10	7.00	-----	10.44	11.40
1129	26	13.00	35	10.50	218	17.44	5	3.00	8	5.60	-----	10.45	8.16
1130	40	20.00	25	7.50	280	22.40	3	1.85	8	5.60	-----	11.04	11.40
1131	36	18.00	40	12.00	326	26.08	3	1.95	8	5.75	-----	15.60	11.76
1132	38	19.00	30	9.00	310	24.80	2	1.25	10	7.20	-----	10.89	11.40
1133	30	15.00	30	9.00	280	22.40	2	1.30	7	5.04	-----	10.32	6.00
1134	30	15.00	30	9.00	230	18.40	4	2.40	10	7.00	-----	9.35	6.00

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1135	25	\$12.50	33	\$11.40	235	\$18.80	3	\$1.80	9	\$8.35		\$11.00	\$8.16
1136	45	22.50	20	6.00	380	30.40	3	1.85	11	8.00		11.76	12.00
1137	30	15.00	38	11.40	250	20.00	4	3.00	8	6.40		10.80	7.00
1138	41	20.50	36	10.80	301	24.08	2	1.20	9	6.30		12.00	12.48
1139	35	17.50	69	18.00	300	24.00	4	2.40	10	7.00		10.20	12.60
1140	36	19.00	36	10.80	280	22.40	3	1.95	7	5.04		10.20	11.52
1141	50	25.00	15	4.50	276	22.08	3	1.95	8	5.65		9.84	10.08
1142	25	12.50	26	8.32	200	16.00			13	9.60		5.20	29.24
1143	26	10.40	5	1.50	364	32.76						39.00	29.20
1144	12	3.00	52	14.56	309	30.00			13	10.00			10.44
1145	13	7.80	40	8.80	208	18.72			13	9.60			35.36
1146	40	20.00	55	16.00	270	24.30	3	1.80	12	8.64		10.80	10.98
1147	40	20.00	55	13.75	300	27.00	5	3.00	12	8.64		21.60	15.60
1148	50	25.00	40	10.80	315	28.35	4	2.40	11	8.14		15.24	21.90
1149	50	25.00	50	12.50	310	24.80	3	1.80	13	9.62		14.40	17.22
1150	30	15.00	50	12.50	200	16.00	5	3.00	10	7.20		9.00	15.00
1151	50	25.00	50	12.50	360	32.40	4	2.40	17	12.58		19.92	21.90
1152	30	15.00	70	17.50	310	24.80	3	1.80	12	8.64		15.24	21.90
1153	50	25.00	33	9.91	300	27.00	3	1.80	17	12.58		14.40	21.90
1154	52	26.00	30	9.00	285	22.80	4	2.40	11	7.70		8.83	18.00
1155	30	15.00	36	10.80	258	20.64	4	2.60	9	6.30		11.04	10.14
1156	35	17.50	30	9.00	262	20.96	3	1.85	8	5.60		11.40	9.72
1157	31	15.50	30	9.00	251	20.08	3	1.95	8	5.60		10.44	8.10
1158	35	17.50	35	10.50	217	17.36	3	1.95	10	7.00		10.80	8.28
1159	39	19.50	28	8.40	220	17.00	3	1.95	8	5.60		10.80	7.80
1160	31	15.50	38	11.40	215	17.20	5	3.00	9	6.30		10.80	7.82
1161	28	14.00	38	11.40	223	17.84	4	2.40	9	6.30		11.16	8.28
1162	38	19.00	56	16.80	318	25.44	4	2.60	11	7.70		14.40	18.60
1163	52	26.00	29	8.70	286	22.88	3	1.95	9	6.30		12.00	11.88
1164	59	29.50	35	10.50	282	22.56	4	2.60	14	9.80		16.20	15.90
1165	41	20.50	28	8.40	262	20.96	3	1.95	10	7.00		12.36	12.90
1166	43	21.50	38	11.40	252	20.16	3	1.95	9	6.30		15.72	15.78
1167	58	29.00	25	7.50	300	24.00	6	3.90	13	9.10		15.84	16.80
1168	48	24.00	36	10.80	252	20.96	3	1.95	10	7.00		13.92	13.86
1169	35	17.50	18	5.40	200	16.00	5	3.00	9	6.30		11.04	8.10
1170	30	15.00	36	10.80	225	18.00	7	4.20	10	7.00		10.92	9.90
1171	52	26.00	45	11.25	300	24.00	4	2.40	12	8.64		14.40	10.92
1172	50	25.00	50	12.50	310	24.80	3	1.80	12	8.64		14.40	13.20
1173	40	20.00	50	13.50	300	27.00	2	1.20	12	8.64		13.20	18.00
1174	25	12.50	60	15.00	360	28.80	6	3.60	15	11.10		20.00	43.80
1175	26	13.00	45	11.25	350	31.50	4	2.40	10	7.20		15.60	21.90
1176	40	20.00	53	14.31	290	23.20	6	3.60	11	7.92		11.40	10.16
1177	36	18.00	52	15.04	365	29.20	6	3.60	15	10.80		11.52	21.90
1178	45	22.50	55	14.85	300	24.00	6	3.60	12	8.64		16.80	21.90
1179	52	26.00	42	11.34	320	25.60	5	3.00	15	10.80		15.60	18.60
1180	40	20.00	60	16.80	320	28.80	3	1.80	11	7.92		12.00	18.00
1181	2	1.50	25	7.00					16	9.00			10.50
1182						22.00							
1183													
1184	3	1.80	15	6.00					10	6.50			15.75
1185	4	2.50	26	7.00	90	8.00			12	7.00			24.55
1186	5	3.00	50	12.50	150	13.50			28	15.00			21.00
1187						4.50							2.25
1188	50	25.00	51	9.30	286	22.88	6	3.90	14	9.80		16.32	12.06
1189	28	19.00	40	12.00	200	20.00	4	3.00	10	8.00		13.00	7.20
1190	35	17.50	30	9.00	200	18.00	2	1.50	9	7.20		9.00	9.00
1191	35	17.50	40	12.00	250	25.00	2	1.50	13	10.40		12.35	12.00
1192	45	22.50	40	12.00	225	22.50	3	2.25	14	11.20		7.75	11.40
1193	25	12.50	40	12.00	230	28.00	3	2.25	12	9.60		12.00	10.20
1194	36	18.00	20	6.00	220	17.60	3	1.95	8	5.65		10.80	9.90
1195	50	30.00	32	9.60	300	30.00	3	2.25	14	11.20		13.00	16.20
1196	30	15.00	30	9.00	220	22.00	2	1.50	8	6.40		10.80	11.40
1197	35	17.50	40	12.00	280	25.20	2	1.50	10	8.00		13.00	6.00
1198	40	20.00	16	4.80	290	23.20	3	1.95	9	6.48		10.80	9.90
1199	36	18.00	20	6.00	310	24.80	2	1.30	10	7.20		11.00	11.76
1200	32	16.00	30	9.00	216	17.28	3	1.80	8	5.70		11.00	11.76
1201	36	18.00	30	9.00	200	18.00	3	2.25	9	7.20		11.40	7.20
1202	24	14.40	30	9.00	200	20.00	2	1.50	10	8.00		11.05	9.00
1203	20	10.00	30	9.00	200	20.00	5	3.00	10	8.00		10.80	10.20
1204	36	18.00	45	13.50	200	20.00	3	2.25	8	6.40		10.20	6.90
1205	52	26.00	10	3.00	195	19.50	4	2.40	9	6.30		11.16	11.76
1206	35	21.00	45	13.50	300	30.00	3	2.25	10	8.00		11.70	15.60
1207	40	20.00	35	10.50	220	19.80	2	1.50	10	8.00		10.80	12.00
1208	58	29.00	40	12.00	300	24.00	4	2.60	13	9.10		15.60	14.40



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1209	36	\$21.60	45	\$13.50	286	\$28.60	4	\$3.00	15	\$12.00	.....	\$7.80	\$12.00
1210	30	15.00	30	9.00	200	20.00	2	1.50	10	8.20	.....	9.00	12.00
1211	31	18.60	50	15.00	275	27.50	5	3.75	10	8.00	.....	11.70	11.70
1212	48	24.00	25	7.50	300	24.00	4	2.60	10	7.20	.....	17.04	12.72
1213	30	15.00	36	10.80	240	24.00	2	1.50	12	9.60	.....	12.62	12.00
1214	36	18.00	24	7.20	200	16.00	2	1.30	8	5.76	.....	11.04	11.40
1215	32	16.00	35	10.50	235	23.50	3	2.25	10	8.00	.....	10.80	11.40
1216	38	19.00	24	7.20	215	17.20	2	1.30	7	5.04	.....	10.44	11.10
1217	52	26.00	50	12.50	320	28.80	4	2.40	15	10.80	.....	15.00	10.95
1218	50	25.00	50	12.50	300	24.00	6	3.60	12	8.64	.....	13.52	14.60
1219	50	25.00	50	15.00	330	29.70	2	1.20	11	7.92	.....	12.00	12.00
1220	42	21.00	40	10.00	350	31.50	2	1.20	12	8.64	.....	14.76	11.40
1221	50	25.00	50	12.50	290	26.10	5	3.00	13	9.62	.....	12.00	16.50
1222	15	7.50	55	11.65	300	27.00	4	2.40	10	7.00	.....	15.00	51.10
1223	26	13.00	50	12.50	250	20.00	4	2.40	10	7.20	.....	15.00	36.00
1224	50	25.00	50	12.50	300	27.00	5	3.00	12	8.64	.....	13.20	15.00
1225	50	25.00	52	14.00	350	28.00	5	3.00	20	14.40	.....	13.00	24.00
1226	35	17.50	55	16.50	290	26.10	4	2.40	10	7.20	.....	12.00	12.00
1227	40	20.00	20	6.00	210	18.90	5	3.00	9	6.48	.....	10.80	11.10
1228	40	20.00	50	15.00	310	27.90	3	1.80	11	7.92	.....	13.20	18.00
1229	40	20.00	40	12.00	300	24.00	2	1.20	11	7.92	.....	10.80	15.00
1230	42	21.00	30	8.10	290	23.20	4	2.40	9	6.48	.....	12.00	6.00
1231	52	26.00	50	12.50	312	24.96	4	2.40	13	9.62	.....	13.20	10.98
1232	43	21.50	40	10.00	260	23.40	3	1.80	12	8.64	.....	10.80	12.00
1233	50	25.00	33	9.90	250	22.50	4	2.40	10	7.20	.....	11.44	12.00
1234	65	32.50	60	18.00	350	31.50	6	3.60	17	12.24	.....	15.60	21.90
1235	40	20.00	60	18.00	290	26.10	4	2.40	13	9.36	.....	11.40	15.60
1236	30	15.00	52	14.00	260	20.80	2	1.20	9	6.48	.....	8.40	10.80
1237	60	30.00	60	15.00	375	33.75	6	3.60	18	13.32	.....	20.40	19.20
1238	52	31.20	47	12.69	310	24.80	8	4.80	14	10.36	.....	26.00	18.60
1239	50	25.00	50	12.50	325	29.25	3	1.80	11	7.92	.....	13.00	10.98
1240	60	30.00	40	10.80	350	28.00	4	2.40	15	10.80	.....	13.00	21.90
1241	20	10.00	100	25.00	300	18.00	10	6.00	25	18.00	.....	20.00	29.20
1242	17	8.50	52	14.00	290	23.20	7	4.20	16	11.84	.....	12.00	14.56
1243	50	25.00	60	15.00	380	30.40	5	3.00	20	15.80	.....	18.00	21.90
1244	52	26.00	50	25.00	375	30.00	7	4.20	20	14.40	.....	13.20	21.90
1245	52	27.50	60	16.20	360	28.80	7	4.20	20	14.80	.....	12.48	10.98
1246	20	10.00	50	12.50	350	28.00	6	3.60	15	10.80	.....	17.00	45.00
1247	45	22.50	70	18.90	315	25.20	6	3.60	12	8.64	.....	18.60	21.90
1248	50	25.00	100	25.00	400	32.00	10	6.00	.....	18.00	.....	28.00	36.00
1249	50	30.00	52	13.00	315	28.35	5	3.00	13	9.36	.....	16.64	14.60
1250	40	20.00	50	15.00	270	24.30	3	1.80	10	7.20	.....	12.00	12.00
1251	52	26.00	40	12.00	300	27.00	3	1.80	11	7.92	.....	12.00	6.60
1252	50	25.00	20	6.00	218	19.62	3	1.80	10	7.20	.....	12.00	12.60
1253	40	20.00	40	12.00	300	24.00	3	1.80	11	7.92	.....	10.80	10.80
1254	.....	6.00	.....	13.00	156	13.26	1	.80	20	12.00	\$19.00	4.00	26.00
1255	.....	12.00	.....	.....	195	19.50	1	.80	3	1.50	7.20	.....	13.00
1256	.....	5.00	.....	5.00	100	10.00	.....	.....	10	5.00	.....	.50	.....
1257	.....	20.80	.....	13.00	303	25.75	3	2.40	20	10.00	5.40	5.00	.....
1258	.....	.....	.....	6.00	144	12.24	.....	.....	25	12.50	.....	.....	13.00
1259	.....	2.40	.....	13.00	170	12.60	3	2.40	10	4.50	9.60	2.00	13.00
1260	35	17.50	30	9.00	215	17.20	5	3.00	10	7.00	.....	12.00	10.80
1261	24	12.00	31	9.30	216	17.28	5	3.25	10	7.10	.....	11.52	10.02
1262	20	10.00	38	11.40	262	20.96	5	3.00	6	4.20	.....	15.84	12.00
1263	42	21.00	30	9.00	250	20.00	4	2.40	8	5.60	.....	9.96	10.08
1264	35	17.50	38	11.40	262	20.96	4	2.40	8	5.60	.....	10.80	12.78
1265	31	15.50	30	9.00	215	17.20	3	1.95	7	4.90	.....	10.20	7.86
1266	40	20.00	13	3.90	240	19.20	3	1.80	9	6.30	.....	10.80	9.00
1267	32	16.00	27	8.10	260	20.80	3	1.80	8	5.60	.....	9.96	8.22
1268	60	30.00	37	11.10	315	25.20	6	3.60	12	8.40	.....	18.72	18.60
1269	30	15.00	30	9.00	275	22.00	3	1.95	9	6.30	.....	11.00	9.12
1270	25	12.50	38	11.40	276	22.08	3	1.80	10	8.00	.....	10.80	7.20
1271	40	20.00	25	7.50	226	18.08	3	1.85	10	7.00	.....	15.00	7.80
1272	24	12.00	52	15.60	271	21.68	3	1.80	8	5.76	.....	11.16	12.00
1273	30	18.00	48	13.44	288	20.16	3	1.92	12	8.64	.....	12.00	30.00
1274	18	10.80	50	14.00	208	18.72	2	1.20	6	9.10	.....	7.80	29.20
1275	50	25.00	18	5.40	262	20.96	3	1.95	11	7.70	.....	12.96	11.34
1276	30	15.00	38	11.40	290	23.20	3	1.95	10	7.00	.....	11.04	13.32
1277	50	25.00	28	8.40	275	22.00	5	3.35	12	8.40	.....	11.40	9.72
1278	55	27.50	28	8.40	290	23.20	3	1.95	12	8.64	.....	12.00	16.80
1279	30	15.00	48	14.40	291	23.28	5	3.25	14	9.80	.....	15.60	13.98
1280	50	25.00	60	15.00	300	27.00	3	1.80	20	15.00	.....	16.00	21.90
1281	52	26.00	40	10.00	275	22.00	10	6.00	12	8.64	.....	15.24	18.60
1282	52	31.20	75	20.25	365	29.20	6	3.60	20	15.00	.....	15.00	36.00

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Budget number.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poultry.	Fish.	Milk.
1283	52	\$26.00	35	\$8.75	270	\$21.60	7	\$4.20	12	\$8.64		\$12.48	\$4.20
1284	5	3.00	45	13.50	150	13.00			22	13.00			24.55
1285	5	3.00	35	8.75	125	10.00			17	10.20			
1286	2	1.50	18	4.75	65	6.00			12	7.00			17.50
1287	5	3.00	24	6.00	225	22.00			13	7.80			
1288	38	19.00	58	14.50	360	28.80	8	4.80	16	11.52		17.00	30.00
1289	65	32.50	70	17.50	409	32.00	10	6.00	25	19.00		28.72	21.00
1290	40	20.00	50	12.50	275	22.00	3	1.80	12	8.64		12.00	12.00
1291	50	25.00	50	15.00	310	27.90	2	1.20	11	7.92		13.80	9.00
1292	41	20.50	12	3.60	210	16.80	2	1.20	7	4.90		9.00	8.22
1293	50	25.00	50	12.50	325	29.25	10	6.00	15	11.10		24.00	18.00
1294	42	21.00	36	10.80	380	30.40	4	2.40	11	8.80		12.00	8.28
1295	50	25.00	35	10.50	378	30.24	4	2.60	12	9.60		15.22	13.08
1296	42	21.00	36	10.80	296	23.68	5	3.00	8	5.70		12.76	12.00
1297	52	26.00	10	3.00	260	20.80	5	3.00	10	7.00		11.40	11.40
1298	38	19.00	36	10.80	258	20.64	3	1.80	10	7.00		11.40	12.96
1299	42	21.00	36	10.80	290	23.20	3	1.80	8	5.60		11.40	11.70
1300	50	25.00	60	15.00	300	24.00	4	2.40	12	8.88		14.40	10.92
1301	52	26.00	30	9.00	250	20.00	3	1.80	10	7.20		12.00	11.10
1302	35	17.50	60	15.00	260	20.80	3	1.80	11	7.92		12.00	11.40
1303	55	27.50	33	8.25	300	24.00	3	1.80	12	8.64		18.00	21.90
1304		3.00		13.00	224	19.04	1	.80	20	10.00		1.00	13.00
1305	45	22.50	45	11.25	320	25.60	6	3.60	10	7.20		12.00	10.16
1306	30	15.00	50	12.50	275	22.00	3	1.80	10	7.20		9.36	10.98
1307	35	17.50	35	10.50	220	19.80	3	2.25	10	8.00		11.40	11.40
1308	45	22.50	10	3.00	270	21.60	3	1.80	8	5.76		10.80	11.46
1309	45	22.50	16	4.80	260	20.80	5	3.00	8	5.60		11.40	9.90
1310	50	25.00	45	13.50	300	30.00	5	3.75	13	10.40		13.00	15.00
1311	45	22.50	30	9.00	200	20.00	3	2.25	10	8.00		12.48	12.00
1312	50	25.00	50	15.00	300	27.00	4	2.40	12	8.64		13.80	13.20
1313	40	20.00	35	8.75	320	25.60	4	2.40	14	10.08		15.00	18.00
1314	50	25.00	62	15.50	325	29.25	4	2.40	13	9.62		12.00	18.60
1315	40	20.00	50	12.50	375	30.00	5	3.00		9.00		13.00	29.20
1316	40	20.00	40	10.00	240	19.20	5	3.00	10	7.20		14.40	5.70
1317	30	15.00	65	16.25	350	28.00	5	3.00	20	14.40		17.00	47.00
1318	55	27.50	30	7.50	300	24.00	3	1.80	12	8.88		18.00	12.00
1319	55	27.50	45	13.50	300	27.00	4	2.40	15	11.10		15.16	9.60
1320	50	25.00	52	13.00	300	24.00	4	2.40	10	7.20		13.44	18.00
1321	46	23.00	46	13.80	240	21.60	2	1.20	9	6.96		13.80	12.60
1322		3.25		13.00	230	19.55		.20	12	6.00	\$1.40	3.00	13.00
1323	38	19.00	30	9.00	275	22.00	2	1.25	8	5.60		10.92	8.52
1324	36	18.00	40	12.00	295	23.60	6	3.90	14	9.80		15.72	18.00
1325		5.00		13.00	425	36.12	1	.80	10	5.50		2.00	26.00
1326	33	16.50	40	12.00	296	23.68	3	1.80	10	7.20		9.57	5.76
1327	40	20.00	35	10.50	280	22.40	5	3.25	10	8.00		14.16	7.80
1328	30	15.00	30	9.00	250	20.00	4	2.60	8	6.00		11.50	7.56
1329	30	15.00	30	9.00	260	20.80	4	2.50	9	7.00		11.40	6.90
1330	36	18.00	30	9.00	268	21.44	5	3.90	9	6.30		11.00	5.28
1331	36	18.00	30	9.00	260	20.80	3	1.95	10	7.50		11.00	7.80
1332	52	26.00	12	3.60	290	23.20	2	1.25	10	7.60		10.80	8.28
1333	42	21.00	38	11.40	296	23.68	3	1.80	10	7.00		10.80	12.00
1334	20	10.00			250	24.00			15	13.50	31.20	10.50	21.90
1335	50	30.00	55	14.85	320	25.60	4	2.40	12	8.64		14.40	7.68
1336	42	21.00	40	12.00	262	20.96	3	1.95	9	6.30		11.52	17.16
1337	31	15.50	38	11.40	262	20.96	5	3.00	10	7.00		9.84	10.56
1338	39	19.50	30	9.00	218	17.44	3	1.85	5	3.50		10.80	8.34
1339	43	21.70	30	9.00	262	20.96	5	3.25	10	7.00		13.00	8.34
1340	25	12.50	40	10.00	300	27.00	3	1.80	14	10.08		13.00	7.28
1341	50	25.00	45	11.25	350	28.00	5	3.00	20	14.65		12.48	21.90
1342	55	33.00	31	7.75	300	24.00	7	4.20	12	8.64		12.60	22.20
1343													18.00
1344	4	2.50	30	7.50					10	6.00			17.00
1345	5	3.50	30	8.00	110	10.00			16	10.00			21.00
1346	3	2.00	15	3.75	80	7.20			7	4.20			13.60
1347	6	4.00	52	14.00					35	16.00			28.00
1348	6	3.60	48	12.00					16	9.60			19.25
1349	38	19.00	21	6.30	190	15.20	3	1.80	7	4.90		12.24	10.38
1350	40	20.00	20	6.00	221	17.68	2	1.30	8	5.60		11.00	11.40
1351	38	19.00	18	5.40	220	17.60	2	1.30	7	4.94		10.80	12.00
1352	35	17.50	48	14.40	220	22.00	4	3.00	13	10.40		11.70	12.00
1353	25	12.50	35	10.50	200	20.00	4	3.00	10	8.00		9.60	9.60
1354	36	18.00	40	12.00	270	27.00	2	1.50	9	7.20		10.20	10.50
1355	13	7.80	20	6.00	200	18.00			13	15.60			29.20
1356	15	9.00	50	13.50	200	16.00	10	6.00	12	8.64		20.00	29.20



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1357	20	\$12.00	75	\$18.75	350	\$28.00	5	\$2.50	16	\$11.52	.....	\$16.00	\$30.00
1358	62	31.00	50	12.50	350	31.50	6	3.60	25	18.75	.....	18.00	12.00
1359	40	20.00	25	7.50	230	18.00	5	3.00	8	5.76	.....	10.80	10.80
1360	50	25.00	50	15.00	270	24.30	4	2.40	10	7.20	.....	13.20	15.60
1361	60	30.00	35	10.50	300	27.00	3	1.80	10	7.20	.....	14.40	9.00
1362	40	20.00	40	10.00	260	23.40	3	1.80	10	7.20	.....	11.70	10.74
1363	20	12.00	98	24.50	375	27.25	7	4.20	20	14.40	.....	19.00	56.00
1364	50	25.00	50	12.50	375	30.00	5	3.00	.....	15.00	.....	19.00	30.40
1365	28	14.00	52	14.04	360	28.80	6	3.60	17	12.24	.....	16.50	14.64
1366	52	27.50	50	12.50	300	24.00	3	1.80	15	11.10	.....	13.44	21.60
1367	52	26.00	30	9.60	270	24.30	4	2.40	10	7.20	.....	13.44	9.00
1368	.....	39.00	.....	13.00	1,248	106.08	2	1.60	10	5.00	.....	13.00	26.00
1369	.....	13.00	.....	.....	130	13.00	.....	.....	24	12.00	.....	4.00	.....
1370	.....	20.80	.....	3.00	300	25.50	.....	.....	30	15.00	.....	4.00	26.00
1371	30	15.00	.....	.....	250	26.00	.....	.....	.....	2.60	.....	13.00	13.00
1372	.....	36.00	.....	13.00	600	51.00	5	4.00	40	20.00	.....	20.00	26.00
1373	.....	13.00	.....	6.50	312	26.52	.....	.....	10	5.00	\$5.40	6.00	16.00
1374	.....	39.00	.....	10.00	600	51.00	.....	.....	50	30.00	7.00	6.00	36.50
1375	.....	26.00	.....	13.00	050	52.00	.....	.....	40	20.00	8.40	3.00	26.00
1376	.....	39.00	.....	.....	600	51.00	1	.80	3	1.80	2.10	13.00	26.00
1377	.....	26.00	.....	.....	1,000	85.00	.....	.....	52	26.00	4.20	13.00	24.00
1378	.....	20.00	.....	.....	120	10.80	.....	.40	5	3.00	1.05	5.20	.....
1379	.....	28.00	.....	12.00	500	45.00	.....	.....	40	20.00	4.40	7.80	6.00
1380	.....	26.00	.....	.....	600	51.00	4	3.20	10	5.00	1.05	13.00	26.00
1381	.....	14.40	.....	3.00	550	46.75	2	1.60	15	7.50	.....	.....	.....
1382	.....	13.00	.....	.....	230	19.50	3	2.10	.....	.....	.....	1.00	13.00
1383	36	18.00	23	6.90	242	19.36	3	1.95	8	5.60	.....	11.16	10.02
1384	38	19.00	32	9.60	221	17.63	3	1.95	10	7.00	.....	10.80	15.66
1385	38	19.00	30	9.00	215	17.20	4	2.60	10	7.00	.....	10.44	12.06
1386	20	10.00	20	6.00	195	15.60	3	1.95	8	5.60	.....	7.15	7.28
1387	52	26.00	50	12.50	315	25.20	3	1.80	14	10.08	.....	12.00	10.98
1388	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
1389	30	15.00	30	7.50	260	20.80	5	3.00	12	8.64	.....	9.00	18.60
1390	32	16.00	40	10.00	200	16.00	3	1.80	12	8.88	.....	11.40	6.80
1391	3	2.00	30	9.00	125	12.50	.....	.....	.....	.....	.....	.....	21.00
1392	45	22.50	25	7.50	275	22.00	3	1.95	8	5.76	.....	13.80	12.00
1393	45	22.50	50	12.50	270	21.60	4	2.40	10	7.20	.....	10.80	6.00
1394	13	6.50	26	9.36	104	10.40	.....	.....	10	10.00	2.50	23.60	43.84
1395	13	7.80	50	19.50	156	15.00	.....	.....	.....	.....	.....	13.00	12.00
1396	26	15.60	20	6.00	156	14.04	.....	.....	.....	.....	.....	30.00	14.60
1397	30	18.00	48	12.00	160	15.00	.....	.....	30	18.00	.....	.....	31.50
1398	.....	7.00	.....	3.00	200	20.00	2	1.60	3	1.50	.....	.....	13.00
1399	.....	12.00	.....	6.00	350	35.00	3	2.40	24	12.00	.....	.....	.....
1400	.....	6.00	.....	3.00	150	12.75	1	.80	12	6.00	1.25	.....	.....
1401	.....	12.00	.....	8.00	180	13.00	.....	.....	20	10.00	4.20	2.00	13.00
1402	.....	3.00	.....	.....	65	6.50	1	.80	12	6.00	2.60	.....	6.00
1403	.....	18.00	.....	6.00	156	13.26	3	2.40	20	10.00	.....	2.00	13.00
1404	12	9.00	50	15.00	60	6.00	.....	.....	20	18.00	30.00	.....	15.00
1405	.....	.....	24	7.20	200	20.00	.....	.....	14	8.00	20.00	2.00	.....
1406	12	6.00	84	29.40	300	30.00	4	2.00	.....	20.00	16.00	.....	18.00
1407	2	1.50	24	7.20	160	13.00	.....	.....	24	16.00	30.00	.....	.....
1408	6	3.00	40	12.00	.....	12.00	.....	.....	20	8.00	.....	.....	.....
1409	.....	.....	40	12.00	96	7.68	.....	.....	13	12.40	12.00	.....	.....
1410	.....	.....	.....	.....	150	12.00	3	1.50	10	6.00	.....	.....	.....
1411	9	4.50	12	3.00	.....	.....	3	1.50	6	3.60	2.00	.....	.....
1412	.....	.....	40	13.00	175	14.00	3	1.50	12	10.00	15.00	.....	.....
1413	.....	.....	24	7.20	150	12.00	.....	.....	40	28.00	20.00	.....	.....
1414	6	3.00	.....	.....	175	10.70	2	1.00	6	4.50	.....	.....	.....
1415	.....	.....	12	3.60	70	5.60	3	1.50	12	8.00	20.00	.....	.....
1416	.....	.....	36	10.80	200	18.00	2	1.25	3	2.00	10.00	1.00	.....
1417	.....	.....	.....	.....	50	5.00	3	1.50	.....	6.00	10.00	.....	.....
1418	.....	.....	12	3.60	100	9.00	.....	.....	8	5.60	4.00	.....	.....
1419	.....	.....	12	3.60	.....	.....	2	1.00	20	12.00	4.00	.....	3.00
1420	8	4.00	24	7.20	250	22.50	4	2.00	40	22.00	15.00	.....	.....
1421	6	3.00	100	25.00	200	16.00	.....	.....	4	3.75	4.00	.....	.....
1422	.....	.....	20	5.00	100	8.00	.....	.....	.....	1.50	.....	.....	.....
1423	.....	.....	60	15.00	300	30.00	.....	.....	10	9.60	.....	12.00	14.60
1424	.....	.....	52	13.00	260	23.40	6	3.00	13	13.00	6.00	9.00	.....
1425	3	1.80	78	19.50	156	13.00	.....	.....	12	12.00	20.80	.....	.....
1426	.....	.....	50	15.00	104	10.40	.....	.....	7	6.50	.....	.....	1.44
1427	.....	.....	60	15.00	360	28.80	24	10.80	16	16.00	.....	.....	.....
1428	12	6.00	52	13.00	400	32.00	6	3.00	19	20.00	25.00	.....	.....
1429	2	2.00	36	9.00	150	13.00	6	3.60	13	10.40	15.00	.....	.....
1430	13	5.20	104	29.12	468	37.44	13	7.80	13	13.00	.....	.....	14.60



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Budget num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1431			52	\$13.00	260	\$23.40			13	\$10.40	\$15.60	\$3.00	.....
1432	12	\$3.00	25	6.50	200	20.00		\$2.60	13	13.00			
1433	13	7.80	75	20.25	275	26.00	13	7.50	13	13.00	13.00		\$14.60
1434			40	10.00	350	28.00	10	5.00	6	6.15			
1435			25	7.50		13.00			20	19.85	6.00	5.00	
1436	12	9.60	52	14.04	520	46.80			18	18.00	13.50		
1437	25	7.50			300	30.00	4	2.00	15	15.00			16.38
1438	6	4.80	52	14.04	420	33.60	3	1.20	25	27.60	25.00		14.60
1439			50	12.50	150	12.00			6	4.80	2.00		
1440	1	.60	75	21.00	156	14.04		4.68					3.65
1441			75	22.50	250	25.00			12	14.60			8.00
1442			52	13.52	260	23.40	13	6.24	7	7.80	6.00	10.00	
1443	4	2.40	100	25.00	250	22.50			11	12.24	15.60	13.60	25.55
1444			100	25.00	156	15.00			13	15.60		18.00	
1445			50	12.50	144	12.96			6	7.20			
1446			52	15.60	220	19.80			5	5.00		6.00	
1447	26	15.60	26	6.50	156	7.34			1	1.00	13.00	13.00	
1448			75	21.00	156	14.04	3	1.50	4	4.50	20.60	26.00	14.40
1449	2	1.20	104	22.88	200	14.00	4	2.40		3.30	20.00	15.00	
1450	13	7.80	52	15.60	350	31.50	26	20.80	12	18.25	15.60	5.00	
1451			100	25.00	260	23.40			8	7.50			
1452	6	1.50	60	15.00	300	27.00	25	15.00	20	18.50		3.00	
1453	13	7.80	50	14.00	150	13.00	2	1.20	7	6.50		13.00	10.95
1454	6	3.60	36	10.80	225	20.25			15	12.00	7.20		14.60
1455	40	20.00			120	9.00			7	5.72			12.48
1456	6	3.60	52	12.00	112	10.08	1	.60	13	10.00			24.00
1457	24	12.00	24	6.00	144	12.96			15	7.50			12.56
1458	8	6.40	50	12.50	140	12.60	2	2.10	12	7.20		5.40	29.20
1459	13	9.60	75	19.50	134	12.06	4	4.40	25	15.00		1.70	18.00
1460	7	5.60	67	17.75	200	18.00	4	3.20	10	7.00			10.00
1461	12	7.20	20	5.00	102	8.16	2	1.20	14	8.40			8.00
1462			156	45.16		7.53							17.56
1463				15.44		2.51							4.83
1464			72	20.84	104	13.05							
1465			72	20.84	24	2.78							25.09
1466			96	27.79									9.39
1467			72	12.54	48	6.95							
1468			60	17.37	24	2.32							6.95
1469			72	20.94		2.32							
1470				7.53	52	7.03							16.63
1471			48	13.90	24	3.47							
1472			52	15.05	24	2.32				17.37			
1473			52	15.05		10.04							17.66
1474			13	4.01	12	1.74							14.09
1475			144	41.69	52	8.03							25.09
1476				7.72		7.72							4.82
1477			104	35.13	24	3.01							10.56
1478			52	14.05		2.32							
1479			72	20.84									2.73
1480			52	16.05									
1481			72	20.84		3.47							9.03
1482			72	20.84	12	2.89							
1483				45.16		1.35							1.16
1484			52	15.05									3.47
1485			72	20.84									10.57
1486													
1487			52	15.05		1.93				11.58			7.04
1488			72	20.84		6.95				15.44			
1489			72	24.32		2.32							
1490			72	20.84									
1491			160	46.32									8.68
1492				70.25		2.43							14.09
1493			104	32.11									10.85
1494			52	15.05		1.62							
1495			72	17.37	24	3.47							4.63
1496			72	21.54									
1497			52	15.05		3.86				13.12			10.32
1498			12	3.24	26	3.01							14.09
1499			26	7.53	26	3.01							5.02
1500			72	10.04	24	3.47							10.04
1501			48	13.90	24	3.47							5.21
1502				28.95		1.93							
1503			72	24.32	24	1.50							7.04
1504			52	11.04		1.54							

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1505				\$15.55	20	\$2.32							
1506			52	20.07									
1507				30.11		1.59							
1508				43.23									
1509													\$23.16
1510				17.95		5.16							
1511			144	41.69	48	4.63				\$7.87			18.68
1512				11.58		2.51							4.44
1513				17.91	52	7.53							
1514			52	16.06		.69							
1515				9.26						9.26			14.09
1516				8.88	30	2.32				7.72			4.63
1517				12.93	24	1.62				15.44			5.79
1518				22.00		4.82				18.53			5.40
1519				23.16		6.75				23.16			9.26
1520			24	4.17	20	2.70				9.26			6.95
1521				6.75		1.93				7.72			6.95
1522				16.79						12.35			3.09
1523				6.60						18.53			14.09
1524				16.22		2.78				18.53			
1525				7.64						18.53			9.65
1526			30	8.68	40	2.78				13.90			6.95
1527				16.79						23.16			6.95
1528				15.29	30	4.05				18.53			
1529				6.79	20	2.32				7.72			5.79
1530				11.70	24	3.24							5.79
1531				27.79		9.26							
1532				16.22						37.06			19.30
1533				9.27	14	1.74				15.44			
1534			32	9.26	24	3.47				18.53			
1535				17.60	40	4.44				9.26			5.90
1536				6.94		1.93				9.26			11.58
1537				23.16		11.97							5.46
1538				10.61		5.79				13.90			
1539				35.70		13.90				23.16			13.90
1540				38.60		7.72				3.47			19.30
1541				10.71		1.39				1.64			6.75
1542				16.21		6.95				1.93			9.65
1543				13.90		1.93							19.30
1544				5.02		5.79				6.95			6.95
1545				23.16		8.34				3.47			13.90
1546				6.48		1.39							
1547				12.54		3.86							6.75
1548				19.30		27.98				23.16			20.84
1549				6.48		5.33							13.51
1550				9.26		7.24							
1551				5.09		8.34				4.63			
1552				25.48		2.32							13.90
1553				5.79		4.82							6.95
1554				6.48		9.65				9.73			
1555			24	12.97	60	8.34				5.79			
1556			48	25.94						18.53			
1557			96	51.88	48	7.41				25.48			
1558			96	26.40						2.32			
1559										2.78			
1560			24	7.41						50.95			
1561			48	27.79	72	10.42				4.63			
1562			48	21.29	48	7.41							
1563			24	12.97	48	6.95							
1564					12	1.85							
1565			24	13.90	48	7.41				2.32			
1566			24	12.97		5.56				12.74			
1567			52	27.60	26	12.54				20.07			17.06
1568				27.60		12.54				40.14			14.05
1569			50	25.48	30	3.76				7.72			7.04
1570			36	13.90						17.37		\$5.56	
1571												2.32	18.53
1572				9.65		9.65				2.89			6.95
1573				6.48		6.95							6.95
1574				5.21		8.68				5.79			9.65
1575				1.64		4.05							4.63
1576				6.48		2.66				6.95			
1577				5.43	39	2.78							7.78
1578				7.42	144	10.28				6.85			4.34

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1579				\$6.28	84	\$6.80				\$7.14			\$7.80
1580				5.71	60	4.86				11.42			13.90
1581				4.57	120	8.57				3.81			5.71
1582				8.86	110	8.90				5.00		\$3.28	8.68
1583				7.99	156	11.14					\$0.74	3.00	4.76
1584				12.76	100	8.09				11.42			13.90
1585				5.86	65	5.26				13.80		2.33	6.47
1586				6.00	65	5.26				8.57		3.71	7.82
1587				9.99	168	12.79				8.00		2.86	7.92
1588				8.86	52	4.21				4.76			13.03
1589				4.00	84	6.80				7.14			6.93
1590				6.28	52	4.21				28.56			15.42
1591				7.85	104	7.43				8.76			12.28
1592				9.91	130	10.52							19.73
1593				6.85	120	9.71				8.81			8.38
1594				6.28	72	5.14				4.76			8.57
1595				5.19	52	4.21				8.95			7.62
1596				5.81	52	4.21				8.57			6.97
1597				5.71	78	6.31				5.71		2.48	13.90
1598				4.00	60	4.57				5.71	3.71	.87	8.69
1599	40	\$19.47			208	8.43				10.46			18.98
1600	30	14.60			208	8.43				11.92			18.98
1601		19.71			260	10.54				14.60		25.30	25.30
1602					208	8.43				12.65			22.14
1603	16	7.79	16	5.84	156	6.33				7.06			19.47
1604	18	8.76	12	4.38	156	6.33				4.87			14.60
1605	18	10.95	10	3.65	104	4.14				5.60		12.65	9.73
1606	16	8.76	10	3.65	200	8.11				3.89		12.65	12.65
1607	26	14.23			208	8.43				3.89		12.65	10.54
1608	12	6.57	8	2.92	100	4.06				4.38			15.82
1609	18	9.85	10	3.65	104	4.14				4.87			18.98
1610	26	14.23			156	6.33				9.25			15.82
1611	18	8.76			200	8.11				7.06			18.98
1612	20	9.73			104	4.14				5.35		12.65	14.60
1613	14	6.81			104	4.14				3.89			12.65
1614	20	9.73			156	6.33				6.08		12.65	15.82
1615	15	7.30	6	2.19	156	6.33				3.16		18.98	6.33
1616	18	10.95			104	4.14				3.89			7.38
1617	24	11.68	10	3.65	312	12.65				7.06			15.82
1618	26	12.65	5	1.62	260	10.54				11.92			7.91
1619	52	25.30			416	16.87				9.25			19.47
1620	20	9.73	8	2.92						8.11		18.98	19.47
1621	20	10.95			156	6.33				7.06		6.33	
1622	16	9.73	10	3.65	208	8.43				6.08			8.43
1623	16	7.79			104	4.14				3.55			9.49
1624	20	9.73			156	6.33				4.06		12.65	10.54
1625	52	31.63	15	5.47	520	21.09				11.35			37.96
1626	16	7.79			208	8.43				7.06			12.65
1627	26	14.23	10	3.65	260	10.54				4.87			12.65
1628	30	14.60			312	12.65				9.98		12.65	18.98
1629	18	8.76			104	4.14				3.16		12.65	9.73
1630	20	9.73			100	4.05				4.87		6.33	6.33
1631	20	9.73			104	4.14				4.56		6.33	9.49
1632	18	8.76			104	4.14							7.38
1633	10	5.47	10	3.65	156	6.33				4.06		12.65	10.54
1634	18	8.76	10	3.65	104	4.14				6.08			18.98
1635	16	7.79			104	4.14				4.05		6.33	8.43
1636	20	12.17			208	8.43				8.11			15.82
1637	26	15.82			260	10.54				6.08		12.65	12.65
1638	20	9.73			156	6.33				6.08		6.33	12.65
1639	16	7.79			104	4.14				4.06			12.65
1640	20	10.95	8	2.92	208	8.43				7.06			15.82
1641	12	5.84			156	6.33				3.04			7.38
1642	52	25.30			520	21.09				11.92			18.98
1643	12	7.30			104	4.14				4.87			9.49
1644	14	8.52			156	6.33				5.35			8.43
1645	52	25.30			520	21.09				17.03		18.98	18.98
1646	15	7.30			52	2.11				4.05			6.33
1647	18	8.76			156	6.33				4.87		7.30	10.54
1648	16	7.79			104	4.14				4.06		6.33	6.33
1649	20	9.73			208	8.43				9.73			12.65
1650	12	5.84			104	4.14				4.87		12.65	3.16
1651	20	9.73			208	8.43				6.08			15.82
1652	12	5.84			104	4.14				4.87			
1653	26	14.23	8	2.92	312	12.65				9.98			15.82



**D.—EXPENDITURE FOR FOOD. (2.)—Concluded.**

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1654	26	\$15.82	10	\$3.65	200	\$8.11				\$3.52		\$12.65	\$12.65
1655	14	8.52	12	4.87	200	8.11				9.12		7.18	18.98
1656	14	8.52	12	4.87	220	8.92				7.30		6.33	15.82
1657	12	5.84	10	4.87	200	8.11				10.71		12.65	15.82
1658	20	12.17	15	5.35	208	5.43				10.71		12.65	
1659	30	18.25	10	3.65	340	13.79				14.60		12.65	18.98
1660	52	20.52			520	21.09				9.98			15.82
1661	30	14.60			260	10.55				9.00			12.65
1662	20	12.17	10	3.65	240	9.73				9.73		18.98	18.98
1663	20	12.17	15	5.47	208	8.43				8.52		18.98	18.98
1664	20	12.17			104	4.22				3.41		12.65	8.43
1665	18	10.95	14	4.87	156	6.33				8.52		12.65	15.82
1666	15	7.30			100	4.06				5.35			7.38
1667	18	10.95	10	3.65	156	6.33				9.25		12.65	18.98
1668	15	9.12	8	2.92	104	4.22				7.79			
1669	20	12.17	12	4.38	156	6.33				8.52		12.65	18.98
1670	20	12.17	10	3.65	104	4.22				7.79			12.65
1671	20	12.17	12	4.38	208	8.43				9.73		12.65	18.98
1672	20	12.17			104	4.22				4.38		12.65	14.60
1673	18	10.95	12	4.38	156	6.33				9.25		12.65	15.82
1674													
1675													
1676	16	7.79			104	4.14				4.05		6.33	
1677	20	12.17	10	3.65	200	8.11				8.52		12.65	12.65
1678	20	12.17	15	6.33	156	6.33				9.73		18.98	12.65
1679	20	12.17	10	4.38	300	12.17				9.73		12.65	15.82
1680	26	14.23	16	6.81	300	12.17				12.17		12.65	18.98
1681	26	15.82	12	4.87	156	6.33				10.22		12.65	12.65
1682	16	9.25	12	4.87	340	13.78				9.73		12.65	
1683	13	7.91	12	5.11	208	8.43				6.08		12.65	
1684	20	12.17	15	5.60	200	8.11				8.52		18.98	18.98
1685	26	15.82			300	12.17				12.65		12.65	18.98
1686	15	7.30	15	4.87	104	4.22				12.17		4.38	6.33
1687	20	9.73			130	5.27				9.49			7.40
1688		18.25			156	6.32				18.98			3.71
1689	30	14.60			104	4.22				10.54			4.22
1690	20	9.73			130	5.27				18.98			3.16
1691													
1692	26	12.65	10	3.65	300	12.17				9.73		12.65	7.79
1693	12	7.30	15	5.47	156	6.33				4.87		12.65	8.43
1694	18	8.76			156	6.33				4.87			15.82
1695	20	10.95			208	8.43				4.87		6.33	9.49
1696	15	7.30			100	4.05				6.08			12.65
1697	16	7.79			156	6.33				4.87		6.33	12.65
1698	18	8.76			156	6.33				3.04		18.98	12.65
1699	17	7.93			156	6.33				4.87		6.33	6.33
1700	18	8.76			156	6.33				4.05			18.98
1701	18	8.76			208	8.43				4.87		12.65	12.65
1702	16	7.79			200	8.11				4.05			10.54
1703	16	7.79		3.05	52	2.11				3.55		12.65	6.33
1704		19.47			300	18.25				11.07			
1705		24.33		4.06	250	15.82				11.92		12.65	25.31
1706		30.78		4.06	208	12.65				8.23		12.65	
1707		15.82		6.08	312	18.98				11.92		12.65	25.31
1708		29.44			312	18.98				14.19		12.65	31.63
1709		12.65			104	4.22				12.65			3.70
1710													
1711	52	37.96			416	16.87				18.25			
1712													

**TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.**

**D.—EXPENDITURE FOR FOOD. (3.)**

Budget number.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).	
839	\$24.60		\$0.48		\$3.00		\$4.40	\$16.00	\$143.58
840	36.00						5.50	12.00	151.35
841	57.00						4.60	18.00	214.60
842	28.80						5.80	20.00	151.40
843	81.60			\$6.00			8.50	40.00	491.60
844	26.10						5.20	20.00	174.15
845	26.10						3.10	20.00	140.75
846	27.00						7.10	30.00	190.35
847	24.00	\$24.00					4.35	30.00	266.55
848	43.20				6.00		4.60	25.00	285.65
849	41.40						3.90	20.00	160.16
850	29.70		.24				2.80	20.00	161.29
851	40.40						4.85	20.00	180.60
852	43.20			1.80			6.90	25.00	215.70
853	43.20			2.40	5.00		5.20	40.00	278.30
854	75.00				5.25		9.00	30.00	358.05
855	24.00			5.00	4.50		8.80	35.00	192.25
856	43.20				4.00		6.30	40.00	310.10
857	26.00				9.00		26.95	25.00	259.95
858	40.00			2.00			5.10	30.00	235.50
859	26.00				3.00		5.55	35.00	249.45
860	28.40						5.70	20.00	167.60
861	49.00				8.00		21.20	30.00	344.30
862	46.80				5.00		4.60	30.00	228.60
863	26.50			1.00	1.00		4.95	25.00	195.05
864	41.70				6.90		7.60	25.00	258.90
865	41.70				5.00		8.10	40.00	267.90
866	47.40						6.20	25.00	271.45
867	45.00			5.00	4.00		11.10	40.00	367.05
868	19.20	5.00					2.80	20.00	155.95
869	45.00			10.00			8.10	20.00	236.50
870	45.00						6.40	20.00	247.10
871	75.00				3.00		14.20	30.00	401.23
872	39.00			4.00	12.00		9.40	40.00	338.15
873	45.90						4.95	30.00	242.35
874	43.20		.24		1.75		6.30	40.00	230.34
875	20.00			.80	3.00		7.80	20.00	221.10
876	43.20			4.00			5.45	30.00	260.43
877	75.00						19.40	50.00	405.30
878								480.00	480.00
879								480.00	480.00
880								300.00	300.00
881								300.00	300.00
882	14.80							40.00	239.65
883	19.50							50.00	305.70
884	16.50							20.00	148.50
885	15.00							15.00	112.00
886	16.50							65.00	210.16
887	18.00			2.50				17.00	195.70
888	19.20				12.00		5.00	32.00	186.28
889	72.00				30.00		12.00	49.00	403.75
890	18.00							31.50	205.60
891	28.00				25.00		8.00	49.00	237.10
892								360.00	360.00
893	37.50						12.00	44.00	263.90
894	35.00						7.50	18.00	222.10
895								420.00	420.00
896								240.00	240.00
897								300.00	300.00
898								600.00	600.00
899	36.00				12.00	\$36.00	40.00	20.40	380.80
900	25.00							96.00	251.00
901	60.00						6.00	28.00	287.52
902	12.00						25.00	33.00	239.36
903	36.00			11.00			24.00	12.00	302.10
904	70.00						6.00	13.00	326.50
905	2.00							50.00	215.94
906	46.00						3.00	19.00	207.20
907	48.10							50.00	318.58
908	16.50							25.00	195.00
909								240.00	240.00
910								360.00	360.00

TABLE XIX.—BAR IRON: COST OF LIVING BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified.)	
911									
912								\$600.00	\$600.00
913								240.00	240.00
914								240.00	240.00
915								420.00	420.00
916	\$25.00							480.00	480.00
917	30.00							40.00	148.00
918	25.00							15.00	236.00
919	40.00							25.00	200.00
920	27.50							20.00	192.00
921								25.00	180.50
922	33.00							336.00	336.00
923								76.00	437.90
924	27.50							364.00	489.00
925	18.00							10.00	220.90
926								36.00	170.00
927	18.00							360.00	360.00
928	15.00				\$20.00		\$12.00	28.00	340.00
929								20.00	213.00
930								360.00	360.00
931								600.00	600.00
932								360.00	360.00
933								1,040.00	1,040.00
934								840.00	840.00
935								600.00	600.00
936								360.00	360.00
937	216.00							240.00	240.00
938	26.50						24.00	50.00	737.60
939	20.00							50.00	426.30
940	78.00							20.00	181.00
941	44.90							60.00	571.80
942	42.00							12.00	381.00
943	33.60							24.00	261.20
944	24.00				16.48		5.00	16.00	274.62
945	18.00			\$9.32	31.00		12.00	55.00	371.90
946	30.00	\$1.40		3.60				50.00	257.89
947	21.00	1.80		6.40			4.70	18.00	245.10
948	26.00						4.75	20.00	217.25
949	14.00	5.00		3.20	2.50		2.00	12.50	233.00
950	21.00	2.00		5.40			1.90	30.00	214.00
951	42.75	2.50		6.00			1.25	34.00	235.95
952	65.00				7.00		5.00	44.00	396.65
953	70.00	1.00		4.80	3.00		2.75	18.00	242.35
954	45.00	.54		4.50			1.80	33.00	317.60
955	89.00	2.16		4.80	9.25		5.45	25.50	329.24
956	21.00		\$1.00	3.20			4.65	25.00	397.61
957	45.00						3.00	16.00	184.50
958	45.00	2.25		3.84			6.30	28.00	310.20
959	90.00			3.00	3.00		3.15	33.00	285.24
960	28.00	1.08		5.40			10.60	30.00	485.60
961	90.00			4.80	1.00		4.55	16.00	201.23
962	28.00						5.50	22.00	403.30
963	32.00	4.00					5.15	18.96	244.31
964	84.00	3.60	5.60	8.30	2.00		2.45	25.00	225.35
965	42.00		2.40	3.75	4.00		1.90	16.00	344.90
966	27.00			4.80			5.70	15.00	250.30
967	41.15	.90		4.50			4.00	16.80	210.90
968	38.00	20.00					11.50	30.00	229.90
969	45.25	3.00					7.05	30.00	285.20
970	91.00	3.00		3.00	13.00		5.40	30.00	329.35
971	14.00	7.20		3.60	10.10		14.00	51.20	668.30
972	70.00	2.70		4.50	1.50	\$20.00	3.50		199.80
973	57.60	2.50		4.80	2.40		4.25	35.00	455.85
974	28.00	6.00					6.00	25.00	328.40
975	90.00	2.16		4.80	1.20		3.65	16.00	200.25
976	70.00	8.50	.96	4.80			8.50	25.00	489.66
977	64.00	2.16		3.60	11.50		1.50	25.00	386.96
978	84.00	1.08		4.80	2.40		10.90	30.00	496.88
979	42.00	1.00		4.80	3.00		7.25	30.00	499.03
980	26.00	7.70		3.20			5.40	20.96	349.16
981	25.50			4.50	2.40		1.10	15.00	167.50
982	27.50	1.08		4.20	5.60		1.15	12.00	253.35
							3.50	25.00	233.96



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
983	\$15.00	\$1.35		\$5.40	\$2.00		\$5.50	\$20.00	\$170.45
984	30.00	1.08	\$0.72	4.50	4.00		9.25	20.00	232.25
985	30.00		1.28		4.00		6.25	25.00	312.93
986	22.80	12.00					2.85	18.00	248.65
987	15.60			1.60	6.00	\$3.00	4.75	30.50	223.20
988	25.00			.96	3.75	2.25	7.35	14.70	174.90
989	15.50			1.95	5.10		10.50	9.10	200.15
990	15.00							17.30	149.34
991	20.00			1.20		2.10		7.10	144.30
992	32.00			1.92		3.10	7.50	18.25	290.82
993	15.50			1.28				15.50	152.18
994	30.00			1.95			4.20	22.55	231.15
995	12.50	5.60						15.40	140.76
996	13.00			1.20		3.75		11.40	172.75
997	16.00	3.20		1.20				13.20	202.03
998	70.50			4.80	21.75	5.50	27.00	42.15	520.83
999	41.00			4.30			8.00	6.00	241.60
1000	25.75	4.80			2.10			26.60	265.65
1001	33.00				5.25		6.42	14.80	213.98
1002	26.00							19.50	145.30
1003	7.50	12.50						31.00	213.12
1004	13.50						3.10	19.50	127.64
1005	21.00	4.00	4.25	1.60	5.50	1.75	8.65	9.50	218.04
1006	11.80		.80	1.92	5.00		6.00	6.50	178.17
1007	15.60			2.25		1.50	7.20	13.25	162.62
1008	30.00						9.00	12.10	268.39
1009	15.50			2.81	3.20	2.90		19.50	214.11
1010	27.50			1.50	3.00	4.20	4.50	26.90	251.60
1011	18.00	13.00		1.80		3.20	7.50	19.45	293.00
1012	30.00			1.92		3.10	11.50	17.20	229.84
1013	5.00	15.00		1.30		2.25	7.20	15.43	250.44
1014	22.00			1.60			4.75	11.50	190.79
1015	20.00	4.50						9.75	149.70
1016	25.50			1.76		2.10	5.98	19.12	265.66
1017	31.20					3.10		12.22	194.71
1018	10.20	5.50		3.20	6.00		11.00	15.00	218.45
1019	12.00	10.90		3.20		8.50	10.00	12.54	280.24
1020	20.50			4.70			5.80	13.20	269.86
1021	20.00			1.44	4.25	1.75	7.25	11.30	238.77
1022	15.00	2.50		1.60	6.05	1.75	9.95	13.48	238.33
1023	45.00	3.00					5.60	5.00	153.84
1024	10.80						3.20	14.50	157.30
1025	42.00				9.00		7.20	24.00	310.65
1026	36.00				10.00		10.50	20.00	255.00
1027	48.00				9.00		5.00		301.09
1028	36.00	3.00	3.00		15.00		7.20	50.00	360.20
1029	30.00				12.00		7.20	50.00	276.40
1030	18.00						5.00	20.00	154.00
1031	30.00				7.50		5.00	18.00	210.50
1032	12.72	4.00			15.20	2.50	3.00		158.06
1033	23.40	5.04		15.66		2.75	9.75	5.00	313.62
1034	42.00				6.00	2.15	2.40	4.00	269.91
1035	63.09					2.25	8.50	4.85	250.84
1036	15.75				15.50		11.50	9.50	339.80
1037	13.12				5.00	1.25	6.20	3.75	207.48
1038	15.60	1.60				1.00	9.50	4.00	177.33
1039	15.75	1.76			6.10	1.75	6.65	2.12	145.03
1040	15.75	3.00			8.00	2.00	11.00		183.21
1041	47.25	2.80			10.50	2.15	12.70	7.00	374.70
1042	57.50	8.80			18.00	2.25	14.40	5.25	387.80
1043	21.96	5.76				1.25	6.16	5.45	209.83
1044	44.63	2.88			1.76	2.85	8.00	7.00	298.53
1045	15.75	1.92			9.57	1.75	5.00	3.00	224.23
1046	15.00	1.52				1.00	12.96	3.00	158.38
1047	21.30	2.00			5.10	1.25	9.98		231.66
1048	11.00				7.60	1.00	8.00	5.00	165.91
1049	17.16				6.00		5.00	9.00	111.96
1050	28.80				3.00		4.00	6.50	152.10
1051	28.80				12.00		10.00	10.00	209.80
1052	28.80				6.50		6.00	9.60	199.70
1053	36.00				5.00		6.50	6.00	239.80
1054	75.00				50.00		75.00	25.00	520.00

TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**D.—EXPENDITURE FOR FOOD. (3.)**—Continued.

Bud- get num- ber.	Cost of—								
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	Total food.
1055	\$25.00	.....	.....	.....	\$10.00	.....	\$8.00	\$6.50	\$177.10
1056	25.00	.....	.....	.....	7.20	.....	6.00	14.00	241.20
1057	30.00	.....	.....	.....	6.00	.....	5.00	8.00	189.46
1058	31.50	\$2.40	.....	\$9.00	10.00	\$1.75	15.00	7.00	302.30
1059	32.50	.....	.....	.....	10.40	1.75	11.20	5.00	319.47
1060	48.80	4.32	.....	.....	8.50	.60	10.96	7.55	238.68
1061	17.60	.....	.....	1.40	2.50	.95	8.44	4.40	203.51
1062	54.00	1.92	.....	.....	15.80	2.00	1.92	3.75	325.49
1063	2.36	25.35	.....	.....	4.75	.95	4.13	3.45	176.09
1064	12.60	.....	.....	.....	12.00	.....	26.50	8.25	328.07
1065	27.50	.....	.....	1.80	.....	.....	10.25	26.20	320.10
1066	11.00	6.00	.....	.....	.....	.....	.....	21.80	195.90
1067	15.00	5.00	.....	.....	.....	.....	.....	12.10	166.83
1068	5.00	13.10	.....	.....	5.10	.....	12.00	24.40	198.85
1069	2.30	24.01	.....	.....	2.50	1.00	6.01	5.00	153.59
1070	15.60	.....	.....	.....	3.00	.....	6.00	7.50	159.65
1071	27.10	.....	.....	.....	.....	.....	.....	7.50	221.42
1072	5.25	78.20	.....	.....	8.00	3.00	15.00	10.00	476.07
1073	8.80	.....	.....	.....	2.50	.75	8.50	3.00	140.45
1074	31.50	3.68	.....	.....	17.50	2.50	15.00	8.00	348.23
1075	14.80	.....	.....	4.00	2.25	1.50	15.20	7.00	213.75
1076	14.95	2.40	.....	3.75	5.00	2.00	12.00	10.00	223.89
1077	30.92	4.16	.....	.....	23.19	16.35	16.56	.....	275.52
1078	.....	29.15	.....	.....	2.50	1.25	2.40	4.40	218.95
1079	2.30	35.15	.....	.....	10.12	2.15	14.45	10.75	348.61
1080	48.00	.....	\$3.00	.....	9.00	.....	6.00	35.00	343.10
1081	26.00	.....	.....	2.80	.....	.....	.....	18.00	109.30
1082	22.60	1.60	.....	2.56	.....	1.50	2.00	20.00	197.21
1083	8.60	.....	.....	1.45	.....	.....	3.00	15.50	111.59
1084	18.00	.....	.....	3.00	5.00	1.00	12.00	3.00	204.10
1085	.....	44.16	.....	7.20	7.25	1.35	14.10	5.00	323.71
1086	21.25	.....	.....	1.92	6.00	2.00	14.50	1.50	166.82
1087	43.20	.....	.....	.....	15.00	.....	20.00	32.20	414.95
1088	35.80	6.00	.....	.....	4.00	.....	6.00	10.00	221.60
1089	82.66	4.16	.....	.....	12.25	2.00	31.80	8.00	772.92
1090	22.90	2.16	.....	.....	13.50	1.15	7.08	.....	173.74
1091	15.75	3.20	.....	.....	6.15	2.00	8.70	6.00	185.44
1092	21.00	4.16	.....	.....	5.50	3.00	8.00	8.00	240.03
1093	26.25	4.16	.....	.....	11.00	2.15	4.00	4.25	293.46
1094	10.50	.....	.....	.....	7.25	1.75	8.25	5.40	174.24
1095	28.80	1.60	.....	2.24	11.32	1.00	7.50	5.00	211.71
1096	14.40	.....	.....	.....	8.00	1.75	12.00	7.00	262.57
1097	52.50	6.24	.....	.....	9.25	1.95	17.20	3.25	371.76
1098	13.13	4.16	.....	.....	6.95	.95	7.95	6.25	168.91
1099	26.25	.....	.....	.....	4.90	2.15	7.95	3.25	231.64
1100	21.00	.....	.....	.....	2.75	3.25	7.75	3.37	263.27
1101	16.20	.....	.....	.....	4.50	.....	5.70	31.75	192.46
1102	30.50	.....	.....	.....	.....	.....	6.10	32.80	210.30
1103	32.50	.....	.....	1.48	5.55	4.80	5.90	17.95	295.88
1104	20.88	.....	.....	.....	10.00	.....	9.00	12.00	174.68
1105	21.00	.....	.....	.....	.....	.....	.....	10.00	160.00
1106	50.00	3.00	6.00	.....	10.00	.....	8.00	50.00	408.00
1107	28.80	.....	.....	.....	10.00	.....	7.50	6.00	279.56
1108	13.80	.....	.....	.....	5.00	.....	3.00	4.50	138.30
1109	47.25	.....	.....	.....	20.00	.....	25.00	19.00	578.35
1110	24.00	.....	.....	.....	6.00	.....	5.00	40.00	278.55
1111	27.00	.....	.....	1.92	.....	4.75	7.25	14.50	267.77
1112	27.00	.....	.....	2.70	4.50	3.10	17.60	36.68	305.52
1113	20.00	.....	.....	.96	.....	3.10	.....	12.25	156.54
1114	11.70	.....	.....	.....	.....	2.12	4.80	9.20	219.12
1115	15.00	.....	.....	.....	2.50	.....	4.25	28.95	164.58
1116	30.50	12.50	.....	1.80	9.25	3.24	8.50	17.50	262.68
1117	36.00	.....	.....	3.20	15.25	3.25	16.10	33.60	383.45
1118	44.50	.....	.....	.....	.....	3.60	14.60	18.40	328.18
1119	5.00	20.00	.....	.....	.....	.....	.....	29.70	167.44
1120	15.25	.....	.....	3.20	.....	4.10	9.50	11.50	191.95
1121	13.50	.....	.....	1.80	.....	.....	11.50	19.50	211.90
1122	31.50	.....	.....	3.20	.....	.....	13.50	34.20	372.32
1123	25.00	.....	.....	.....	.....	1.50	4.90	14.00	250.00
1124	22.00	.....	.....	.....	3.10	.....	.....	22.10	196.67
1125	33.00	.....	.....	2.00	.....	.....	13.25	19.00	287.30
1126	17.50	.....	.....	.....	.....	5.00	3.10	12.50	188.84

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	Total food.
1127	\$15.20	\$1.80	-----	\$3.00	\$2.55	-----	\$6.00	\$38.00	\$211.82
1128	18.60	1.80	-----	2.00	2.50	-----	4.56	60.00	261.46
1129	15.60	2.80	-----	3.00	2.50	-----	4.72	35.00	206.93
1130	16.00	1.60	-----	2.00	3.60	-----	3.87	47.00	236.98
1131	16.40	1.80	-----	2.80	3.35	-----	6.83	38.00	239.37
1132	16.80	1.20	-----	3.60	3.90	-----	4.90	35.00	236.12
1133	16.80	2.00	-----	2.60	4.50	-----	4.19	38.00	219.43
1134	14.40	7.40	-----	3.20	2.70	-----	3.68	35.00	208.83
1135	16.00	2.00	-----	3.00	4.20	-----	5.33	30.00	203.74
1136	19.20	1.80	-----	3.20	4.25	-----	4.16	56.00	288.72
1137	14.40	1.80	-----	2.00	2.75	-----	4.52	60.00	229.87
1138	19.80	1.56	-----	1.80	2.40	-----	4.02	50.00	251.02
1139	16.00	6.00	-----	3.00	5.25	-----	4.50	45.00	280.97
1140	15.40	2.44	-----	2.40	3.25	-----	2.96	50.00	238.38
1141	13.44	7.00	-----	2.00	3.20	-----	3.08	45.00	243.90
1142	9.64	36.50	-----	-----	11.95	-----	25.10	49.83	336.80
1143	14.56	31.20	-----	-----	23.40	-----	13.00	42.98	394.60
1144	4.80	36.50	-----	-----	16.20	-----	11.70	37.27	412.95
1145	19.76	-----	-----	-----	-----	\$10.40	5.20	13.76	351.60
1146	18.80	4.90	-----	3.75	3.30	-----	9.92	30.00	263.20
1147	16.60	12.40	-----	3.75	11.00	-----	12.15	60.00	361.97
1148	18.60	4.85	-----	2.75	7.10	-----	15.75	65.00	345.60
1149	15.60	9.90	-----	4.50	5.30	-----	9.00	50.00	321.84
1150	12.00	3.40	-----	3.00	4.90	-----	9.66	30.00	211.66
1151	8.60	14.80	-----	4.10	10.50	-----	13.20	50.00	398.45
1152	18.00	14.80	-----	4.50	7.50	-----	8.30	60.00	328.87
1153	12.00	13.50	-----	2.40	6.70	-----	8.80	60.00	345.54
1154	20.40	4.30	-----	4.00	4.00	-----	5.33	48.00	299.46
1155	16.00	1.56	-----	3.40	4.00	-----	3.16	40.00	241.14
1156	15.60	3.20	-----	2.00	3.20	-----	3.90	45.00	241.31
1157	15.48	1.00	-----	2.40	4.00	-----	3.12	46.00	220.71
1158	18.48	1.44	-----	2.40	4.00	-----	4.23	35.00	216.72
1159	19.68	1.80	-----	2.40	3.20	-----	4.48	50.00	241.01
1160	18.44	2.40	-----	2.00	2.40	-----	4.12	38.00	228.28
1161	20.00	1.00	-----	2.60	2.40	-----	5.02	38.00	217.44
1162	24.00	4.90	-----	4.20	4.80	-----	6.90	50.00	335.88
1163	16.80	4.70	-----	3.60	4.00	-----	5.65	60.00	288.34
1164	25.24	2.40	-----	4.80	4.80	-----	6.60	65.00	346.46
1165	21.24	2.52	-----	3.60	4.80	-----	4.84	58.00	297.61
1166	19.28	3.71	-----	3.80	4.00	-----	5.41	60.00	297.15
1167	26.32	7.50	-----	4.20	5.60	-----	6.61	65.00	358.57
1168	24.00	3.60	-----	4.20	5.60	-----	6.85	65.00	310.40
1169	19.28	1.44	-----	3.60	2.40	-----	4.12	46.00	225.02
1170	19.68	1.80	-----	2.00	2.40	-----	3.81	40.00	224.15
1171	16.00	7.00	-----	3.00	5.20	-----	9.51	38.00	283.39
1172	18.00	7.88	-----	3.00	4.20	-----	8.20	35.00	282.85
1173	16.40	16.75	-----	3.75	5.50	-----	7.75	45.00	325.99
1174	50.00	12.00	-----	3.00	6.00	-----	9.00	20.00	461.10
1175	14.60	10.09	-----	2.90	9.60	-----	7.40	30.00	346.15
1176	4.00	17.40	-----	1.50	4.00	-----	7.47	48.00	290.15
1177	23.08	10.28	-----	3.60	4.80	-----	8.08	30.00	345.20
1178	20.60	6.10	-----	2.25	6.40	-----	10.51	28.00	344.45
1179	14.60	8.12	-----	3.00	5.70	-----	11.16	50.00	329.72
1180	16.40	5.90	-----	2.55	4.00	-----	6.20	45.00	304.87
1181	-----	50.00	-----	-----	18.00	-----	25.00	35.00	258.00
1182	-----	-----	-----	-----	-----	-----	-----	285.00	345.00
1183	-----	35.00	-----	-----	10.00	-----	-----	75.00	236.00
1184	-----	30.00	-----	-----	15.50	-----	25.00	20.00	198.05
1185	46.00	-----	-----	-----	26.00	-----	35.00	30.00	286.05
1186	-----	65.00	-----	-----	25.00	-----	35.00	40.00	400.00
1187	-----	55.00	-----	-----	18.00	-----	42.00	24.00	205.75
1188	29.28	1.80	-----	4.20	4.80	-----	5.90	55.00	330.32
1189	19.00	2.50	-----	2.00	5.00	-----	6.38	48.00	258.48
1190	15.68	1.44	-----	3.00	3.00	-----	3.96	30.00	201.30
1191	19.20	2.00	-----	4.00	3.30	-----	8.13	65.00	259.00
1192	23.20	2.50	-----	3.00	4.25	-----	5.20	58.00	296.75
1193	20.00	1.60	-----	4.00	4.00	-----	7.88	-----	236.07
1194	15.60	4.60	-----	3.00	3.40	-----	4.00	50.00	221.96
1195	26.50	1.80	-----	4.00	5.25	-----	5.80	90.00	386.30
1196	12.00	1.80	-----	2.00	4.00	-----	4.90	62.00	239.92
1197	19.60	2.40	-----	4.00	5.90	-----	4.08	-----	197.00
1198	16.60	1.80	-----	3.00	3.23	-----	3.03	55.00	232.08



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bnd- get num- ber.	Cost of—							
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).
1199	\$14.60	\$1.80	-----	\$2.00	\$4.00	-----	\$3.06	\$52.00
1200	15.84	6.00	-----	3.00	2.50	-----	5.93	38.00
1201	15.68	2.16	-----	2.00	4.60	-----	4.80	45.00
1202	16.00	1.50	-----	4.00	3.60	-----	2.20	36.00
1203	16.00	2.00	-----	2.00	3.00	-----	8.70	30.00
1204	12.00	2.40	-----	3.00	4.25	-----	5.16	50.00
1205	15.40	3.50	-----	2.50	2.40	-----	4.23	53.00
1206	24.00	2.16	-----	4.00	5.00	-----	4.68	50.00
1207	14.40	1.80	-----	3.60	4.10	-----	4.90	60.00
1208	24.80	2.10	-----	4.20	5.95	-----	6.28	63.00
1209	16.40	3.00	-----	5.40	4.50	-----	5.39	60.00
1210	15.68	2.40	-----	4.00	3.25	-----	3.70	40.00
1211	22.00	2.40	-----	4.80	4.00	-----	5.74	75.00
1212	18.48	1.80	-----	4.00	5.10	-----	3.70	62.00
1213	17.20	2.40	-----	5.00	6.00	-----	8.28	60.00
1214	15.84	1.44	-----	3.60	3.30	-----	4.27	48.00
1215	15.68	2.40	-----	2.00	3.25	-----	5.74	60.00
1216	16.00	1.20	-----	2.60	4.50	-----	2.50	56.00
1217	14.40	6.00	-----	7.80	10.00	-----	10.12	15.00
1218	12.80	9.30	-----	2.40	9.60	-----	13.55	38.00
1219	14.00	8.60	-----	3.00	4.40	-----	5.70	60.00
1220	12.40	13.00	-----	2.25	5.25	-----	8.65	35.00
1221	20.00	8.60	-----	3.75	5.20	-----	5.55	50.00
1222	27.00	6.50	-----	1.50	7.00	-----	12.15	15.00
1223	16.20	13.00	-----	5.00	5.00	-----	6.20	15.00
1224	16.00	6.20	-----	4.50	4.00	-----	8.90	60.00
1225	24.00	7.00	-----	6.00	12.00	-----	11.50	25.00
1226	12.00	9.90	-----	3.00	4.50	-----	6.70	50.00
1227	10.40	1.44	-----	1.80	3.00	-----	6.40	38.00
1228	15.20	9.00	-----	3.75	5.10	-----	8.52	55.00
1229	12.00	4.90	-----	2.25	3.00	-----	5.55	50.00
1230	13.00	8.75	-----	3.75	4.50	-----	11.82	35.00
1231	7.60	21.62	-----	2.25	6.00	-----	7.98	30.00
1232	14.40	9.10	-----	3.00	4.00	-----	8.25	55.00
1233	12.00	5.66	-----	3.00	5.10	-----	8.30	55.00
1234	20.00	7.40	-----	3.75	7.00	-----	11.18	60.00
1235	16.00	7.40	-----	3.00	4.00	-----	6.50	60.00
1236	11.00	7.90	-----	1.50	3.70	-----	3.10	30.00
1237	27.00	8.00	-----	4.50	9.50	-----	13.50	75.00
1238	14.40	16.10	-----	3.90	8.40	-----	15.40	55.00
1239	21.20	5.50	-----	1.80	5.20	-----	7.96	35.00
1240	15.36	12.70	-----	-----	2.40	-----	12.40	30.00
1241	40.00	15.60	-----	3.75	8.00	-----	17.00	17.00
1242	24.00	8.50	-----	3.50	10.00	-----	9.55	25.00
1243	7.00	20.50	-----	3.00	7.20	-----	14.16	50.00
1244	27.00	11.80	-----	1.50	7.60	-----	14.92	38.00
1245	24.00	13.00	-----	4.50	7.60	-----	12.40	55.00
1246	35.00	11.50	-----	3.75	7.50	-----	13.80	38.00
1247	29.00	2.44	-----	1.80	6.40	-----	14.20	35.00
1248	90.00	7.00	-----	4.50	10.00	-----	11.50	30.00
1249	14.00	7.44	-----	1.80	16.00	-----	9.36	38.00
1250	11.60	8.50	-----	3.00	5.00	-----	3.80	40.00
1251	18.80	7.40	-----	3.00	5.20	-----	10.20	60.00
1252	12.48	5.60	-----	1.80	5.00	-----	6.45	65.00
1253	16.00	3.65	-----	3.75	4.00	-----	9.10	60.00
1254	26.80	-----	\$1.00	1.00	5.25	\$3.15	18.00	22.00
1255	22.20	-----	3.00	.25	10.00	2.00	-----	5.00
1256	21.40	-----	.50	-----	5.00	2.90	-----	8.00
1257	66.40	-----	1.00	6.00	5.00	4.35	13.00	7.20
1258	32.40	3.00	1.00	-----	-----	1.30	-----	.50
1259	17.80	-----	.50	3.00	18.00	1.76	13.00	6.00
1260	15.60	2.56	-----	2.20	3.20	-----	3.34	45.00
1261	35.60	2.40	-----	3.60	3.20	-----	5.40	50.00
1262	20.48	1.82	-----	2.80	4.80	-----	2.06	43.00
1263	18.60	1.44	-----	2.40	3.20	-----	3.63	28.00
1264	15.44	1.56	-----	-----	4.00	-----	4.70	38.00
1265	16.40	1.00	-----	2.00	3.20	-----	2.45	40.00
1266	16.00	1.44	-----	2.00	2.40	-----	3.68	46.00
1267	14.60	2.70	-----	2.80	3.20	-----	3.43	50.00
1268	26.92	2.40	-----	5.60	6.40	-----	7.51	70.00
1269	14.40	1.92	-----	4.00	3.60	-----	4.66	46.00
1270	15.60	1.92	-----	5.00	3.90	-----	5.01	48.00

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	Total food.
1271	\$17.00	\$1.92	.....	\$4.00	\$3.50	.....	\$6.85	\$53.00	\$241.46
1272	20.00	1.44	.....	3.40	4.00	.....	4.63	52.00	254.77
1273	21.60	6.16	.....	9.00	5.23	.....	10.18	13.00	358.02
1274	23.40	2.60	.....	7.20	12.50	.....	19.12	26.96	352.20
1275	18.48	1.56	.....	3.20	3.20	.....	5.85	48.00	254.43
1276	17.12	3.75	.....	2.60	3.20	.....	3.90	45.00	243.66
1277	20.92	1.80	.....	3.60	4.00	.....	4.82	40.00	264.67
1278	18.40	3.60	.....	5.60	5.95	.....	8.26	62.00	309.10
1279	26.92	1.80	.....	4.40	6.55	.....	6.00	60.00	332.84
1280	30.00	11.00	.....	4.50	7.50	.....	8.50	20.00	383.38
1281	14.40	16.20	.....	1.80	9.60	.....	9.84	25.00	337.60
1282	28.50	14.00	.....	3.75	10.00	.....	10.00	20.00	511.50
1283	15.00	5.38	.....	1.50	3.20	.....	8.12	20.00	244.06
1284	44.80	.....	.....	.....	20.00	.....	30.00	15.00	296.85
1285	.....	60.00	.....	.....	7.00	.....	18.00	8.00	216.95
1286	.....	35.00	.....	.....	15.00	.....	25.00	45.00	221.75
1287	38.00	.....	.....	.....	7.50	.....	12.00	8.00	164.30
1288	28.80	7.00	.....	7.50	7.00	.....	9.50	20.00	409.67
1289	33.00	11.00	.....	7.50	8.00	.....	11.80	50.00	479.22
1290	15.00	9.90	.....	6.00	3.00	.....	7.95	50.00	313.95
1291	16.40	6.75	.....	1.50	3.00	.....	7.00	40.00	274.27
1292	15.44	2.05	.....	2.00	2.40	.....	3.30	47.00	220.35
1293	9.00	18.00	.....	3.00	12.00	.....	15.92	38.00	395.32
1294	23.60	2.40	.....	3.60	3.20	.....	5.85	60.00	292.83
1295	26.80	2.00	.....	4.00	4.20	.....	6.84	62.00	332.90
1296	21.04	1.80	.....	2.00	3.20	.....	7.31	48.00	269.65
1297	20.40	1.00	.....	4.00	4.00	.....	5.39	56.00	259.03
1298	18.60	1.80	.....	3.20	3.20	.....	3.77	50.00	243.75
1299	16.00	1.50	.....	4.00	3.20	.....	4.11	48.00	239.65
1300	11.60	11.15	.....	4.20	4.48	.....	10.98	35.00	311.27
1301	13.20	3.60	.....	2.75	3.30	.....	8.06	50.00	235.11
1302	16.00	5.40	.....	3.30	3.85	.....	4.20	40.00	279.05
1303	16.40	8.60	.....	4.50	6.50	.....	13.40	40.00	304.99
1304	24.60	.....	\$3.00	3.00	6.00	\$10.60	19.50	10.20	276.24
1305	14.60	7.40	.....	3.00	4.00	.....	8.70	50.00	311.59
1306	16.00	6.50	.....	3.00	4.00	.....	11.56	40.00	242.20
1307	14.40	2.40	.....	4.00	4.50	.....	5.38	56.00	244.89
1308	15.04	2.16	.....	2.00	3.33	.....	3.80	50.00	227.00
1309	15.80	2.75	.....	4.20	3.09	.....	4.96	48.00	242.87
1310	26.40	3.00	.....	4.00	5.90	.....	5.93	55.00	332.92
1311	20.00	2.00	.....	3.00	5.00	.....	6.45	60.00	265.42
1312	17.00	8.00	.....	3.00	5.15	.....	9.00	60.00	322.79
1313	19.00	4.13	.....	3.75	6.40	.....	6.89	25.00	311.15
1314	18.00	7.40	.....	3.75	4.00	.....	7.01	60.00	359.61
1315	27.00	8.75	.....	7.00	5.00	.....	7.80	19.00	400.35
1316	14.40	6.30	.....	1.50	3.00	.....	10.72	40.00	238.32
1317	40.50	9.00	.....	3.65	9.00	.....	12.12	20.00	481.98
1318	12.00	9.10	.....	4.20	5.00	.....	11.80	30.00	310.83
1319	20.00	7.10	.....	3.60	4.50	.....	15.70	45.00	331.91
1320	14.80	18.00	.....	.....	10.40	.....	8.44	25.00	329.48
1321	10.00	8.00	.....	5.40	4.00	.....	9.70	50.00	266.48
1322	28.00	.....	1.00	3.00	6.00	2.30	6.00	7.50	201.40
1323	14.72	1.00	.....	2.60	2.40	.....	2.92	44.00	222.97
1324	21.44	1.50	.....	2.00	4.80	.....	5.88	55.00	314.12
1325	93.60	.....	6.00	3.00	6.00	3.70	3.00	13.20	337.17
1326	16.40	2.16	.....	3.40	3.50	.....	4.96	58.00	246.97
1327	19.20	2.40	.....	4.00	3.60	.....	5.26	50.00	271.41
1328	17.00	1.80	.....	2.80	2.50	.....	5.75	57.00	246.01
1329	14.40	1.80	.....	4.00	3.30	.....	5.20	40.00	213.78
1330	15.68	1.92	.....	3.60	2.50	.....	6.40	.....	183.18
1331	14.40	2.40	.....	2.80	3.60	.....	4.98	62.00	231.53
1332	15.84	1.80	.....	4.00	4.50	.....	3.38	48.00	235.53
1333	20.00	1.00	.....	3.40	3.20	.....	4.60	56.00	259.70
1334	1.00	80.00	.....	.....	9.00	.....	15.70	35.60	382.50
1335	16.00	7.20	.....	4.50	5.20	.....	8.80	45.00	314.57
1336	18.24	4.94	.....	3.20	3.20	.....	5.83	50.00	264.60
1337	23.60	1.00	.....	2.40	3.20	.....	4.68	42.00	255.90
1338	16.00	2.52	.....	3.00	4.00	.....	2.32	45.00	211.93
1339	15.20	7.16	.....	3.20	4.50	.....	5.63	47.00	261.26
1340	9.00	17.00	.....	5.50	4.00	.....	13.92	10.00	261.80
1341	21.60	8.12	.....	2.90	6.00	.....	13.08	55.00	379.18
1342	16.00	9.90	.....	3.75	7.00	.....	12.42	40.00	351.76

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Budget number.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.*	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).	
1343	\$40.00				\$18.00		\$35.00	\$115.00	\$294.00
1344		\$35.00			18.00		28.00	45.00	319.00
1345		45.00			20.00		60.00	25.00	320.50
1346	16.50				5.40		8.00	15.00	146.75
1347		96.00			20.00		45.00	55.00	498.00
1348	52.00				8.00		14.00	8.00	342.45
1349	15.22	3.05		\$3.20	4.00		4.43	65.00	230.68
1350	15.60	1.44		3.60	3.35		3.40	50.00	226.17
1351	17.04	1.92		2.80	2.40		4.81	50.00	223.05
1352	20.00	1.50		4.00	6.00		7.30		248.80
1353	17.60	2.00		2.00	3.50		5.70	50.00	246.30
1354	15.12	2.40		3.00	4.30		5.15	45.00	255.97
1355	22.36				6.50		15.70	11.64	267.80
1356	21.60	7.00		3.00	7.00		10.00	16.00	310.53
1357	53.00	6.00		3.65	7.50		12.12	12.00	435.19
1358	17.00	14.10		4.50	10.00		15.70	70.00	433.62
1359	8.00	5.40		2.25	2.70		6.30	35.00	203.01
1360	11.60	8.41		3.00	6.60		7.45	55.00	273.01
1361	11.00	7.00		2.25	6.60		7.00	60.00	271.55
1362	14.40	10.10		2.70	5.50		10.00	62.00	269.87
1363	36.00	15.00		6.70	3.75		15.16	25.00	540.64
1364	16.00	9.00		5.00	10.00		15.50	25.00	375.40
1365	10.80	7.50		5.00	7.50		19.69	17.00	299.03
1366	18.80	5.00		3.00	6.00		8.18	50.00	353.62
1367	12.00	11.15		2.55	5.00		9.50	50.00	209.39
1368	141.20		\$2.00	6.00	20.00	\$16.90	13.00	27.20	850.98
1369	24.00			3.00	4.00	3.30	6.50	8.70	174.70
1370	60.00	2.00	2.50	1.00	4.00	2.50	10.00	5.50	331.80
1371	26.00	10.00		7.80	2.00	1.80		2.10	198.90
1372	73.00	24.00	1.00	6.00	40.00	9.70	50.00	28.00	675.20
1373	70.20	1.00	3.00	8.00	11.00	7.70	13.00	10.20	334.72
1374	80.50	9.00	3.00	12.00	26.00	9.60	26.00	15.80	809.40
1375	72.00		2.00	5.00	9.00	7.50	13.00	8.20	529.40
1376	76.40	2.00		2.50	10.50	7.80	13.00	5.00	430.90
1377	84.09			3.00	14.00	9.30	26.00	13.20	653.70
1378	29.25	3.00	.50		5.50	2.80	5.00	6.00	162.70
1379	72.00				17.50	5.40	10.00	6.60	392.70
1380	68.00	2.00	2.00	6.00	13.00	3.30	16.00		423.35
1381	74.00		2.00	1.00	8.00	2.50	2.00	4.60	260.65
1382	25.60		2.50		2.50	.60		4.40	126.55
1383	17.28	1.70		2.00	4.00		3.43	38.00	224.18
1384	41.20	1.00		2.80	3.20		3.67	45.00	270.08
1385	18.48	1.10		2.60	4.00		3.34	48.00	236.04
1386	16.00	2.40		3.20	2.65		5.96	20.00	175.35
1387	18.40	10.54		4.50	6.40		9.40	45.00	288.17
1388		38.00					38.00	75.00	205.00
1389	14.20	8.00		1.80	2.80		9.28	20.00	262.30
1390	15.60	4.42		4.50	4.00		11.81	35.00	234.17
1391	38.40	15.00			25.00		65.00	30.00	354.40
1392	15.00	1.44		3.60	4.25		4.60	62.00	259.24
1393	12.80	4.50		2.25	3.00		9.56	30.00	219.99
1394	19.76			4.68	23.00	2.50	13.00	39.16	424.58
1395		36.50			33.40		15.60	76.45	321.65
1396	4.80	36.50		4.50	3.00		11.70	10.82	297.56
1397		80.00			25.00		55.00	20.00	421.50
1398	30.00	3.00	3.00	10.00	10.50	2.60	3.50	3.00	216.00
1399	57.00		3.60	12.00	7.00	3.70	10.00	9.00	295.60
1400	25.00		1.00	2.50	2.50	2.00	6.50	3.70	138.00
1401	27.00		1.00	2.00	3.00	2.75	10.00	4.50	242.25
1402	18.67	2.00	5.00	1.00	3.00	1.60	6.00	4.00	164.03
1403	36.00	2.00	1.00	.50	5.00	3.00	12.00	7.20	250.86
1404	38.40		.25				8.00	20.00	287.15
1405	33.00				4.00		14.60	20.00	231.80
1406	45.00				1.25		18.00	20.00	336.65
1407	24.80		.32				11.00	15.00	202.50
1408	52.00						8.80	25.00	224.62
1409	24.80				1.00		4.60	12.00	159.98
1410	21.50						2.60	10.00	120.60
1411	22.20						5.00	8.00	85.30
1412	17.20		.50				5.20	12.00	147.90
1413	31.20		1.60				5.55	18.00	211.75
1414	22.80						5.80	10.00	106.05



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

**D.—EXPENDITURE FOR FOOD. (3.)—Continued.**

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
1415	\$20.40								
1416	26.90						\$7.60	\$12.00	\$129.90
1417	40.50		\$0.60				4.20	15.00	150.65
1418	14.10				\$1.00		4.40	12.00	154.00
1419	17.60						3.80	10.00	114.60
1420	52.00		.32				5.40	20.00	151.10
1421	54.20			\$0.64			11.10	35.00	316.12
1422	21.10						9.35	25.00	267.44
1423	43.10						4.50	12.00	106.00
1424	61.65		1.92			\$4.80	15.60	6.32	315.10
1425	30.00				7.50		29.20	33.18	301.15
1426	32.00				6.50		18.40	44.70	253.20
1427	58.00	\$24.60			5.20		20.80	20.62	165.32
1428	49.50			2.16	21.60		15.20	15.00	416.90
1429	28.85				30.00	2.00	20.00	61.34	418.50
1430	65.69				9.00			29.75	240.20
1431	51.34				2.00		19.50	37.87	396.30
1432	23.40	15.60		1.50			35.40	15.26	312.40
1433	44.10				2.60	2.40	27.00	12.05	263.10
1434	77.90				15.00		20.80	14.50	375.65
1435	24.50				44.00		37.80	6.75	371.60
1436	52.52				9.80			21.17	188.82
1437	52.00	2.00			26.00		32.84	25.40	385.50
1438	44.60		1.60				33.10	24.00	325.08
1439	39.20		.30		1.00			19.36	319.40
1440	63.60			7.20	1.00		8.15	12.00	189.15
1441	21.87	10.40		2.16				20.66	245.88
1442	37.40				6.00		10.40	5.77	262.90
1443	27.50				12.00		24.70	28.74	291.60
1444	24.00						26.00	19.10	334.69
1445	31.00						6.00	12.25	281.05
1446	41.20				6.50			14.79	169.65
1447	7.74	3.12			51.50		10.40	17.53	215.56
1448	19.45	35.40			26.00		11.00	26.50	222.20
1449	39.15			12.48	10.40		13.00	36.73	351.22
1450	69.25				18.20		26.10	23.79	338.30
1451	35.40			1.70	18.00		18.00	31.80	401.40
1452	63.60						27.61	51.39	317.80
1453	1.20			8.00	21.75		18.20	10.00	276.30
1454	39.70						13.00	5.06	198.50
1455	46.80				5.20		12.00	5.27	241.22
1456	39.00					1.25	25.60	15.40	234.80
1457	26.25	2.40		2.88	8.24	1.00	20.00	12.96	247.28
1458	30.00				7.50	1.50	18.00	6.00	231.29
1459	37.10				8.02	1.00	10.00	3.40	297.90
1460	36.00				4.50	2.00	22.00	8.96	308.40
1461	18.00					.75	12.25	1.50	321.71
1462		42.46		5.02			10.04		162.06
1463		57.90					15.44		210.18
1464		65.62		10.04			23.16		150.74
1465		54.04					20.07		251.40
1466		34.74		2.51			10.04		272.79
1467		44.58		5.02			15.44		147.58
1468		69.48		9.26			16.21		228.31
1469		29.53					11.58		275.41
1470	32.12			3.47	1.93	3.47	11.58		172.45
1471	17.37					4.05	11.19		116.57
1472	25.94								96.84
1473		10.04		10.04	1.54	2.61	7.72	1.54	90.79
1474	8.02			1.25		3.12	5.02	3.47	134.42
1475		77.01				2.32	30.11		85.57
1476		19.30		1.93		3.85		3.08	280.56
1477	112.33						27.02		92.22
1478		49.41				1.54	10.04		382.78
1479		67.44		2.47		4.30	16.58	2.89	142.59
1480		30.69				3.47	10.04		225.42
1481	54.04			5.02		3.86	15.05		140.75
1482		69.48		2.32		3.67	10.04		210.46
1483		137.03		2.32			23.16		136.65
1484	70.25					1.93	14.47	1.93	327.14
1485		75.27		2.32		.77	10.04		121.96
1486								67.16	214.57
									67.16

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
1487	\$34.74								\$100.83
1488		\$86.85		\$3.86					181.42
1489		46.32				\$3.86	\$9.26		156.72
1490		37.06		5.02			15.44		184.51
1491		27.10		.69		1.93	7.72		162.31
1492	45.08			1.93		.96	16.60		307.86
1493	68.71			3.86			29.34		235.20
1494		73.34					23.16	\$3.86	215.46
1495	21.23						54.04		266.33
1496		15.05					10.04		88.01
1497	32.04							1.54	133.45
1498	42.27			5.02	\$0.96		10.04	1.93	104.15
1499		15.05		.96	.77		2.32		60.10
1500	27.79						20.07		145.18
1501		48.25		1.39	1.45	2.41	9.26	4.82	155.58
1502		77.20				3.85	28.95	9.65	233.52
1503	20.84			5.02			10.04		101.67
1504	45.08					3.41	6.95		142.14
1505	30.80			5.02		.77	25.09		131.20
1506		30.11		5.02		1.44	20.07		121.96
1507		28.95				2.32			93.84
1508	55.58			1.93			23.16		280.75
1509								78.16	78.16
1510		15.44		1.93			8.68		75.41
1511	74.11			10.04	10.04	1.93			266.26
1512		45.35				2.89	4.82	3.86	113.84
1513	35.70			2.89			10.04		134.29
1514	16.06			2.32		3.47			126.45
1515	23.16						7.72	11.58	103.05
1516	34.74							9.26	114.49
1517	34.74							9.65	128.42
1518	69.48			4.63				23.16	242.78
1519	64.85							11.58	222.92
1520	23.16							4.82	89.08
1521	23.16							4.82	78.54
1522		28.95		3.47				11.58	138.18
1523	27.79							6.95	86.73
1524	69.48							9.65	212.97
1525	69.48			2.78				11.58	171.15
1526	46.32							18.33	144.06
1527	86.85							15.05	196.51
1528	69.48			4.63			7.72	11.58	232.80
1529	27.79							4.82	92.82
1530	34.74			2.78				11.58	93.87
1531	104.22			4.63				32.81	484.43
1532	34.74							11.58	127.58
1533	57.90						1.93	11.58	171.97
1534	41.69							13.90	139.06
1535	34.74							11.58	154.53
1536		19.30		1.59		3.09	1.93		54.14
1537		69.48	\$3.28	3.86				27.98	252.24
1538	5.21	57.90					1.85	14.28	172.07
1539	2.89	69.48						25.48	334.08
1540		105.18		3.47				46.32	370.84
1541	2.89	48.25						11.58	123.16
1542		57.90	1.39					12.74	177.79
1543		67.55			2.32			5.79	207.83
1544	2.89	38.60		2.89				9.65	166.55
1545		46.32						22.00	194.39
1546		81.06						10.88	160.26
1547		34.74						24.12	125.43
1548	21.23	71.89		4.82				25.09	322.39
1549	3.47	43.42	1.93					6.75	165.30
1550	9.65	23.16						17.85	102.28
1551		14.09						23.16	112.06
1552		37.25						17.41	156.19
1553		39.37						14.47	87.61
1554		66.01		6.43				22.00	223.64
1555		44.00		4.63				4.63	153.08
1556		127.38						13.90	314.98
1557		83.38		6.95				11.58	249.67
1558		97.27		2.32				6.95	167.83

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	Total food.
1559	-----	\$136.64	-----	-----	-----	-----	-----	\$18.53	\$180.19
1560	-----	18.53	-----	\$4.63	-----	-----	-----	23.16	205.89
1561	-----	67.16	-----	8.34	-----	-----	-----	13.90	238.54
1562	-----	138.96	-----	-----	\$6.95	-----	-----	23.16	264.93
1563	-----	92.64	-----	-----	-----	-----	-----	23.16	236.23
1564	-----	37.06	-----	1.16	-----	-----	-----	11.58	149.15
1565	\$10.42	50.95	\$3.71	-----	-----	-----	-----	23.39	166.30
1566	-----	78.28	-----	-----	2.78	-----	-----	6.95	189.91
1567	-----	70.25	-----	-----	-----	-----	-----	35.12	267.73
1568	-----	140.50	-----	-----	-----	-----	-----	35.13	320.14
1569	-----	34.74	-----	9.65	-----	-----	-----	10.55	213.24
1570	148.22	9.26	-----	-----	1.62	-----	-----	20.84	289.96
1571	3.09	65.62	-----	-----	-----	-----	-----	23.16	168.30
1572	-----	48.64	-----	4.82	-----	-----	-----	20.84	170.02
1573	9.65	18.53	-----	1.39	-----	-----	-----	10.19	125.18
1574	-----	23.95	1.85	-----	-----	-----	-----	7.72	159.52
1575	-----	14.47	-----	1.85	-----	-----	-----	7.06	80.02
1576	-----	24.70	-----	-----	-----	-----	-----	8.34	108.53
1577	3.21	22.85	1.05	-----	-----	\$1.71	\$1.71	16.51	86.59
1578	3.43	45.70	-----	-----	1.71	2.00	5.71	22.28	161.70
1579	4.28	34.85	-----	-----	-----	2.62	7.28	4.88	158.04
1580	4.00	52.12	-----	-----	2.62	2.28	12.28	25.32	179.61
1581	2.14	30.18	1.24	-----	-----	.86	5.24	4.28	110.79
1582	8.00	33.27	-----	-----	1.86	1.86	3.57	25.42	147.59
1583	2.14	35.94	-----	-----	-----	2.67	-----	14.13	122.87
1584	-----	86.87	-----	-----	-----	4.85	7.71	5.14	212.14
1585	1.79	28.61	-----	-----	-----	.62	1.67	12.86	106.64
1586	4.28	35.89	-----	-----	2.48	1.43	3.57	26.62	134.19
1587	4.28	50.26	-----	-----	5.00	1.14	4.28	27.56	228.23
1588	8.66	60.21	-----	-----	-----	3.31	9.09	40.65	181.84
1589	4.64	25.80	-----	-----	-----	.93	2.02	35.84	94.10
1590	8.57	59.98	-----	-----	-----	1.21	6.43	24.37	187.76
1591	11.45	40.27	1.24	-----	3.09	3.72	2.38	17.95	151.76
1592	9.28	53.59	3.71	-----	3.71	3.10	16.23	62.78	232.16
1593	2.86	28.79	-----	-----	-----	1.43	4.05	31.01	132.17
1594	5.22	52.07	-----	-----	-----	1.14	-----	65.45	149.63
1595	3.93	28.08	-----	-----	1.55	.62	2.38	17.31	103.16
1596	7.50	34.49	-----	-----	-----	2.91	2.14	24.06	143.05
1597	7.56	33.09	1.59	-----	2.86	1.43	6.33	4.48	141.27
1598	5.81	15.69	1.24	-----	1.14	1.81	3.49	1.76	81.10
1599	24.33	9.73	-----	-----	-----	-----	9.73	24.33	264.15
1600	30.41	-----	-----	-----	-----	-----	9.73	14.60	244.94
1601	27.49	-----	-----	-----	-----	-----	9.73	25.30	385.72
1602	27.41	-----	-----	-----	12.65	-----	12.65	8.43	244.59
1603	15.09	-----	-----	-----	-----	-----	2.43	9.65	151.04
1604	15.82	-----	-----	-----	-----	-----	3.65	63.06	202.25
1605	12.17	-----	-----	-----	-----	-----	4.86	38.93	177.62
1606	9.40	-----	-----	-----	-----	-----	2.43	41.85	190.59
1607	13.63	-----	-----	-----	-----	-----	3.65	36.98	230.52
1608	10.46	-----	-----	-----	-----	-----	2.43	31.75	161.61
1609	12.17	-----	-----	-----	-----	-----	2.43	19.47	183.11
1610	21.41	-----	-----	-----	-----	-----	4.87	12.94	212.35
1611	18.25	-----	-----	-----	-----	-----	2.43	9.00	179.16
1612	12.17	-----	-----	-----	-----	-----	2.43	38.60	197.49
1613	9.12	-----	-----	-----	-----	-----	2.43	11.48	132.76
1614	15.09	-----	-----	-----	-----	-----	4.87	9.73	200.49
1615	10.46	-----	-----	-----	-----	-----	2.43	7.30	129.69
1616	9.12	-----	-----	2.43	-----	-----	2.43	7.06	135.48
1617	19.71	-----	-----	-----	-----	-----	4.87	19.47	240.42
1618	33.33	-----	-----	4.87	2.43	-----	4.87	19.47	196.07
1619	39.66	-----	-----	-----	-----	-----	7.30	14.60	284.27
1620	19.71	-----	-----	-----	-----	-----	7.30	19.47	196.69
1621	18.25	-----	-----	-----	-----	-----	3.89	25.55	195.97
1622	12.17	-----	-----	7.79	-----	-----	3.65	9.73	160.18
1623	6.08	12.65	-----	-----	6.33	-----	1.22	9.73	155.87
1624	13.63	-----	-----	-----	-----	-----	1.95	6.41	157.52
1625	42.58	-----	-----	-----	-----	-----	7.30	27.25	412.37
1626	15.09	-----	-----	6.33	-----	-----	2.43	9.73	167.07
1627	18.25	-----	-----	-----	-----	-----	3.65	27.25	244.00
1628	24.33	-----	-----	-----	-----	-----	4.87	9.73	240.64
1629	10.46	-----	-----	-----	-----	-----	2.43	20.45	130.42
1630	12.17	-----	-----	-----	6.33	-----	1.22	3.81	127.58



TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**D.—EXPENDITURE FOR FOOD. (3.)**—Continued.

Budget number.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).	
1631	\$10.46				\$9.73		\$1.22	\$14.60	\$145.69
1632	3.04	\$12.65			4.87		1.46	17.40	133.42
1633	12.17	6.33			6.33		1.22	16.18	154.03
1634	15.09				12.65		2.43	9.73	174.94
1635	9.12						2.43	27.25	145.46
1636	18.25						4.87		203.66
1637	16.55				9.73		2.43	36.98	266.01
1638	12.17				6.33		4.87	22.38	199.77
1639	9.12						1.22	15.86	142.43
1640	19.71						3.65	6.08	226.46
1641	3.04	15.82					1.22	6.33	123.12
1642	33.57						3.65	9.73	307.70
1643	10.46			\$6.33			1.22	9.73	144.41
1644	12.17			6.33			2.43	14.60	171.71
1645	42.58			12.65	6.33		6.08	24.33	389.47
1646	9.12				6.33		1.22	8.64	124.17
1647	12.17						2.43	33.75	154.28
1648	9.12						3.65	11.48	113.97
1649	24.33						2.43	7.30	182.15
1650	12.17							11.76	115.66
1651	15.09				3.16		1.22	7.30	161.73
1652	12.17			2.43	6.33		2.43	14.60	131.88
1653	18.25						4.87	9.73	208.66
1654	21.90	12.65					9.73	97.33	311.28
1655	21.90	12.65					8.52	85.65	297.18
1656	18.25	6.33		4.87			14.60	97.33	308.95
1657	24.33	12.65					8.76	85.65	288.18
1658	21.29	12.65					7.30	97.33	321.71
1659	31.63	12.65					14.60	73.00	403.83
1660	36.50				12.65		12.65		364.18
1661	21.41						3.65	13.38	199.12
1662	24.33						9.73	79.33	321.91
1663	19.47	12.65					9.73	97.33	338.90
1664	9.25	6.33					4.87	48.66	195.63
1665	18.98	12.65					9.73	85.65	307.00
1666	12.17							44.53	152.81
1667	17.03	12.65					8.52	74.46	298.81
1668	18.25						4.87	21.21	139.68
1669	21.90	12.65					8.52	82.73	311.22
1670	18.25						4.87	24.33	172.27
1671	24.33						9.73	30.50	258.15
1672	12.17	9.73					6.08	74.46	239.50
1673	23.84						7.30	74.22	264.74
1674								197.09	246.75
1675								364.99	364.99
1676	3.04	15.82			0.33		2.43	26.64	141.94
1677	18.25	12.65					7.30	73.00	271.62
1678	27.25	12.65					7.30	75.43	375.68
1679	24.33	9.73					9.73	73.00	347.47
1680	30.41	6.33					9.73	73.00	341.99
1681	15.82	12.65					9.73	90.76	301.00
1682	29.20	12.65					14.60	75.43	345.51
1683	18.98	12.65					9.73	74.70	273.04
1684	19.47	12.65					9.73	59.86	299.62
1685	28.22	12.65					12.17	99.76	355.00
1686	19.47						6.08	9.73	126.62
1687		25.31						1.72	128.52
1688	24.25							24.33	171.75
1689	36.50							41.57	174.01
1690		25.30						24.34	141.61
1691								126.53	126.53
1692	41.36						9.73	38.93	307.89
1693	12.17						6.33	7.30	165.26
1694	18.25			6.33	6.33		2.43	14.60	191.27
1695	15.08				7.30		6.33	27.25	232.28
1696	9.12			6.33			3.65	14.60	186.53
1697	10.46						1.22	4.30	135.21
1698	4.56	18.98			6.33		4.87	9.73	176.47
1699	12.17						2.43	14.60	192.87
1700	12.41						2.43	9.73	161.26
1701	10.46				6.33		2.43	7.30	140.55
1702	10.46						2.43	9.73	121.24



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Budget number.	Rent.		Fuel.			Lighting.			Clothing.			Furniture and utensils.	Taxes.
	Rooms.	Cost.	Kind.	Quantity (tons).	Cost.	Kind.	Quantity (gallons).	Cost.	Husband.	Wife.	Children.		
839	2	\$72.00	Coal	1	\$3.50	Oil	25	\$2.50	\$30.00	\$20.00	\$50.00	\$57.00	.....
840	2	60.00	Coal	2	7.00	Oil	26	5.20	35.00	30.00	20.00	49.00	\$3.00
841	2	72.00	Coal	6	9.00	Oil	24	4.80	25.00	12.00	75.00	.....	.....
842	2	60.00	Coal	6	21.00	Oil	20	4.00	40.00	16.00	.....	4.00	3.00
843	4	192.00	Coal	.....	35.00	Oil	50	10.00	60.00	30.00	75.00	75.00	3.00
844	3	108.00	Coal	8	12.00	Oil	45	9.00	40.00	30.00	25.00	19.00	4.50
845	2	72.00	Coal	2	7.00	Oil	20	2.00	30.00	50.00	30.00	3.00	3.00
846	3	75.00	.....	.....	.....	Oil	25	2.50	30.00	20.00	120.00	3.00	.....
847	3	108.00	Coal	8	28.00	Oil	50	7.50	50.00	12.00	35.00	2.00	3.00
848	3	72.00	Coal	7	24.50	Oil	24	3.60	40.00	50.00	50.00	2.00	.....
849	2	90.00	Coal	9	31.50	Oil	26	5.20	30.00	15.00	10.00	65.00	3.00
850	2	60.00	Coal	2	7.00	Oil	40	8.00	40.00	16.00	.....	18.50	3.60
851	4	96.00	Coal	7	24.50	Oil	50	10.00	35.00	15.00	20.00	25.00	3.50
852	2	78.00	Coal	8	28.00	Oil	20	3.00	35.00	12.00	45.00	2.00	3.00
853	5	180.00	Coal	10	35.00	Oil	25	6.25	50.00	30.00	170.00	19.00	3.00
854	4	150.00	Coal	7	25.00	Oil	40	6.00	70.00	35.00	150.00	150.00	.....
855	4	168.00	Coal	7	10.50	Oil	20	4.00	60.00	50.00	35.00	10.00	3.00
856	6	216.00	Coal	10	35.00	Oil	50	12.50	45.00	20.00	300.00	45.00	3.00
857	4	156.00	Coal	9	31.50	Oil	40	10.00	40.00	40.00	50.00	3.00	3.00
858	3	144.00	Coal	7	21.00	Oil	16	2.40	60.00	5.00	35.00	2.00	3.00
859	O. H.	.....	Coal	10	36.00	Oil	50	10.00	50.00	50.00	175.00	15.00	23.00
860	1	24.00	Coal	4	13.50	Oil	24	2.40	25.00	20.00	20.00	98.00	3.00
861	3	120.00	Coal	7	21.00	Oil	20	3.00	70.00	30.00	150.00	5.00	3.00
862	3	144.00	Coal	5	18.50	Oil	20	3.00	60.60	125.00	20.00	45.00	3.00
863	3	144.00	Coal	6	21.50	Oil	20	3.00	60.00	20.00	30.00	3.00	3.00
864	4	144.00	Coal	7	24.50	Oil	50	7.50	60.00	75.00	150.00	8.00	3.00
865	3	120.00	Coal	8	28.00	Oil	50	7.50	65.00	20.00	100.00	50.00	3.00
866	4	144.00	Coal	9	31.50	Oil	50	7.50	40.00	25.00	125.00	28.00	3.00
867	4	132.00	Coal	10	35.00	Oil	60	15.00	100.00	50.00	175.00	25.00	3.00
868	2	60.00	Coal	2	7.50	Oil	20	2.00	20.00	10.00	15.00	1.00	.....
869	3	72.00	Coal	6	15.50	Oil	26	3.90	25.00	12.00	.....	12.00	3.00
870	3	78.00	Coal	6	21.50	Oil	45	6.75	30.00	20.00	60.00	16.00	3.00
871	4	180.00	Coal	16	56.00	Oil	45	6.75	60.00	20.00	275.00	125.00	3.00
872	8	360.00	Coal	.....	50.00	Oil	200	30.00	100.00	100.00	60.00	5.00	3.00
873	3	96.00	Coal	8	27.00	Oil	26	3.90	35.00	16.00	50.00	45.00	3.00
874	3	96.00	Coal	2	7.00	Oil	26	2.60	25.00	25.00	75.00	50.00	3.00
875	3	144.00	Coal	7	21.00	Oil	26	3.90	50.00	100.00	40.00	75.00	3.00
876	3	84.00	Coal	8	28.00	Oil	36	7.20	60.00	25.00	40.00	15.00	3.00
877	3	120.00	Coal	7	22.50	Oil	24	3.60	35.00	25.00	175.00	5.00	3.00
878	4	96.00	Coal	.....	66.00	Oil	48	5.76	150.00	60.00	75.00	40.00	.....
879	4	72.00	Coal	9	45.00	Oil	12	1.44	50.00	60.00	30.00	.....	.....
880	5	180.00	Coal	.....	50.00	Oil	.....	1.80	100.00	60.00	25.00	80.00	.....
881	3	60.00	Coal	.....	60.00	Oil	.....	1.50	30.00	25.00	12.00	.....	4.50
882	4	96.00	.....	.....	53.00	Oil	.....	5.00	75.00	75.00	10.00	5.00	.....
883	3	60.00	.....	.....	45.00	Oil	.....	3.00	60.00	25.00	.....	9.00	.....
884	4	60.00	.....	.....	30.00	.....	.....	4.00	20.00	20.00	25.00	.....	.....
885	3	84.00	.....	.....	30.00	.....	.....	4.50	25.00	15.00	.....	.....	.....
886	.....	84.00	.....	.....	27.50	.....	.....	4.00	25.00	15.00	10.00	3.00	.....
887	3	36.00	.....	.....	42.00	.....	.....	2.40	30.00	20.00	5.00	4.00	.....
888	5	72.00	.....	.....	35.00	.....	.....	4.00	40.00	30.00	11.00	16.00	.....
889	6	120.00	Coal	16	88.00	.....	.....	7.20	100.00	45.00	200.00	20.00	.....
890	4	66.00	.....	.....	29.50	Oil	.....	6.00	60.00	40.00	75.00	3.00	.....
891	4	84.00	.....	.....	35.00	.....	.....	1.60	80.00	50.00	.....	25.00	.....
892	3	60.00	Coal	6	30.00	Oil	.....	1.44	30.00	10.00	60.00	56.00	.....
893	6	108.00	Coal	11	61.00	.....	.....	4.00	100.00	150.00	.....	30.00	.....
894	4	108.00	Coal	10	50.00	.....	.....	5.00	20.00	50.00	.....	12.00	.....
895	4	102.00	Coal	.....	70.00	Oil	.....	3.60	40.00	20.00	10.00	20.00	.....
896	5	72.00	Coal	.....	24.00	Oil	.....	3.00	30.00	15.00	10.00	10.00	.....
897	4	120.00	Coal	.....	30.00	Oil	.....	1.80	50.00	40.00	40.00	.....	.....
898	7	168.00	Coal	15	60.00	Oil	.....	3.60	50.00	50.00	75.00	25.00	.....
899	8	120.00	Coal	.....	30.00	Oil	.....	2.88	45.00	30.00	125.00	14.00	11.00
900	O. H.	.....	.....	.....	40.00	.....	.....	4.00	35.00	25.00	75.00	.....	7.00
901	5	84.00	.....	.....	50.00	.....	.....	5.00	12.00	6.50	120.00	11.00	.....
902	7	108.00	Coal	12	67.50	Oil	60	7.20	80.00	120.00	.....	40.00	.....
903	5	72.00	.....	.....	70.00	.....	40	4.80	35.00	30.00	100.00	11.00	.....
904	3	96.00	.....	.....	43.00	.....	.....	7.50	60.00	35.00	100.00	4.00	.....
905	10	108.00	Coal	10	66.00	.....	.....	6.00	80.00	60.00	.....	205.00	.....
906	4	48.00	.....	.....	40.00	.....	.....	4.00	23.00	5.00	30.00	.....	.....
907	5	84.00	Coal	9	54.60	Oil	52	6.24	100.00	50.00	100.00	10.00	.....
908	4	96.00	.....	.....	42.00	Oil	.....	1.50	50.00	50.00	.....	5.00	.....
909	O. H.	.....	Coal	.....	60.00	Oil	.....	1.44	30.00	35.00	60.00	18.00	3.00
910	3	60.00	Coal	5	25.00	Oil	.....	.75	50.00	40.00	25.00	.....	.75



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	Lab- or.	Other.										
			\$15.00	\$2.00			\$6.00	\$4.00	\$12.00	\$25.00	\$18.00	\$317.00	839
				2.00	\$1.00	\$1.50		40.00	5.00	5.00	15.00	278.70	840
				3.00	1.00	4.50	6.00	12.00	8.00	10.00	45.00	287.30	841
				1.00	2.00		10.00	40.00		5.00	18.00	224.00	842
			3.60	1.00	1.00	1.50	38.00	5.00	12.00	80.00	118.00	740.10	843
			8.50	3.00	5.00		15.00	30.00	36.00	20.00	18.00	383.00	844
			9.00	1.50	.50	1.50	12.00	6.00	12.00	50.00	26.00	315.50	845
				13.00	3.00		30.00	12.00		6.00	20.00	334.50	846
					14.00	5.00	16.00			50.00	30.00	368.50	847
				5.00		5.00			12.00	25.00	42.00	331.10	848
				1.00	.50		25.00	30.00	18.00	6.00	20.00	350.20	849
				3.00	2.00		25.00	40.00	21.60	22.00	18.00	284.70	850
		\$3.00		5.00	2.00	1.50	12.00	40.00	14.00	75.00	18.00	399.50	851
					1.00		5.00	12.00	14.00	9.00	35.00	282.00	852
		6.00		20.00	5.00	15.00	18.00	12.00	24.00	150.00	100.00	843.25	853
		6.00		3.00	5.00	3.00	20.00		12.00	15.00	50.00	700.00	854
		6.00		2.00	2.00	1.50	20.00	3.00	12.00	35.00	50.00	472.00	855
		6.00		1.00	1.50	3.50	75.00	3.00	30.00	60.00	115.00	971.50	856
			6.00	1.00	1.00		16.00	40.00	12.00	80.00	70.00	559.50	857
				5.00	2.00	6.00	18.00	30.00	18.00	70.00	40.00	461.40	858
\$1.85		6.00	5.00	12.00	10.00	6.00	12.00		12.00	30.00	80.00	533.85	859
							30.00	12.00	12.00	35.00	68.00	362.90	860
		6.00			4.00				12.00	15.00	35.00	474.00	861
					5.00	1.00		52.00	14.00	20.00	65.00	576.10	862
					4.00	3.50				30.00	56.00	378.00	863
				5.00	5.00	1.00						716.00	864
					3.00	7.00		10.00	15.00	100.00	108.00	521.50	865
			60.00	3.00	5.50	15.00	15.00	18.00	24.00	35.00	41.00	613.50	866
		6.00	12.00	25.00	5.00	6.00	47.00	40.00	36.00	20.00	30.00	731.00	867
								12.00		40.00	16.00	183.50	868
					1.00	6.00		40.00	9.00	8.00	70.00	277.40	869
		6.00		13.00		6.00		60.00	14.00	10.00	39.00	383.25	870
		8.50		18.00		1.50		16.00		12.00	180.00	901.75	871
		6.00	14.00	44.00		12.00	222.00		20.00	40.00	275.00	1,341.00	872
				4.00				20.00	45.00	35.00	40.00	419.90	873
				13.00		5.40		40.00	12.00	10.00	51.00	415.00	874
		12.00		13.00		12.00	15.00	20.00		75.00	30.00	613.90	875
				19.00				22.00	10.00	125.00	25.00	463.20	876
		6.00		1.00	1.00		35.00	16.00	18.00	122.00	40.00	628.10	877
		6.00		12.00		12.00	200.00	6.00	8.00	200.00	10.00	946.76	878
		6.00	12.00		10.00		9.00	96.00	24.00	30.00	10.00	455.44	879
			6.00	10.00	10.00	12.00	32.00	3.00	4.80		12.00	586.60	880
				0.00	5.00	12.00		24.00	2.00	1.50		243.50	881
3.00	\$25.00	5.00		10.00	6.00	10.00	10.00			5.00	10.00	403.00	882
		6.00	6.00	4.00	12.00	7.20	2.00	250.00	7.50	7.00	7.00	510.70	883
				5.00		10.00	5.00				10.00	189.00	884
					2.00	3.50		30.00	10.00	10.00	4.00	218.00	885
		6.00		6.00	2.00	6.80	2.00		7.20		10.00	208.50	886
						5.00			18.00		28.00	190.40	887
				6.00		20.30			6.00		16.00	256.30	888
		6.00		5.00	12.00	20.00	10.00	15.00	12.00	50.00	30.00	740.20	889
				6.00	6.00	4.80		18.25	6.00	10.00	10.00	340.55	890
		6.00		6.00		15.60	10.00	25.00			25.00	303.20	891
			30.00	5.00	2.00	4.00	4.00	52.00	12.00	50.00	6.00	412.44	892
2.00		6.00		10.00	10.00	15.00	25.00	50.00	10.50	30.00	28.50	640.00	893
				6.00		20.00	35.00		25.00	125.00	28.00	484.00	894
			6.00	6.00	3.00	4.00	16.00		3.60	10.00		314.20	895
		6.00			5.00	6.00	5.00	1.50		17.00		204.50	896
				12.00		12.00	9.00	12.00		20.00	36.00	400.80	897
		50.00		4.00	10.00		15.00	24.00	12.00	20.00	52.00	633.60	898
2.80				6.00	8.00	8.00	25.00	36.00	2.00	7.00	60.20	533.88	899
3.00		3.00		10.00	8.00	5.00	15.00	10.00			5.00	252.00	900
				10.00		5.00			6.00		7.50	317.00	901
1.00					5.00	12.00		104.00	13.00	6.00	13.00	576.70	902
1.25			4.00	8.00	3.00	6.25		6.00		20.00	6.00	377.30	903
									10.00	30.00	6.00	391.50	904
		6.00		12.00	5.00	20.35	50.00				20.80	639.15	905
				2.00				5.00		12.00	14.00	183.00	906
		7.00		12.00	12.00	7.50		73.00	22.10	35.00	25.00	598.44	907
2.00		6.00		12.00	6.00	7.50		109.50	27.00		10.00	424.50	908
						8.00		54.00	4.80			274.24	909
			13.00	6.00	2.00	4.50	10.00	40.00	6.00		5.00	288.00	910

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.
	Rooms.	Cost.	Kind.	Quantity (tons).	Cost.	Kind.	Quantity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.	
911	6	\$96.00	Coal	.....	\$65.00	Oil	50	\$6.00	\$50.00	\$60.00	\$75.00	.....
912	4	60.00	Coal	.....	25.00	Oil	12	1.44	50.00	75.00	.....	.....
913	2	48.00	Coal	.....	12.00	Oil	.....	1.44	50.00	30.00	10.00	\$125.00
914	O. H.	.....	Coal	.....	50.00	Oil	.....	1.80	50.00	50.00	35.00	\$5.00
915	O. H.	.....	Coal	6	40.00	Oil	.....	1.80	30.00	40.00	25.00	4.00
916	5	48.00	Coal	8	28.00	Oil	.....	4.00	25.00	15.00	35.00	.....
917	O. H.	.....	.....	.....	60.00	Oil	26	3.12	30.00	15.00	75.00	10.00 3.00
918	O. H.	.....	.....	.....	40.00	.....	.....	.....	25.00	20.00	60.00	2.50
919	4	48.00	.....	.....	22.50	.....	.....	3.00	20.00	10.00	40.00	.....
920	3	48.00	Coal	8	28.00	Oil	.....	3.50	40.00	25.00	40.00	5.00
921	O. H.	.....	Coal	.....	40.00	Oil	.....	3.00	20.00	30.00	45.00	3.50
922	6	108.00	.....	.....	70.00	Oil	.....	6.00	125.00	75.00	150.00	10.00
923	3	72.00	.....	.....	23.00	.....	.....	4.00	50.00	25.00	50.00	.....
924	3	72.00	.....	.....	53.00	Oil	.....	4.00	50.00	25.00	25.00	5.00
925	5	60.00	.....	.....	15.00	.....	.....	3.00	75.00	35.00	5.00	4.00
926	4	72.00	Coal	12	60.00	Oil	.....	1.80	20.00	40.00	30.00	30.00
927	O. H.	.....	.....	.....	70.00	.....	.....	10.00	100.00	150.00	40.00	50.00 10.00
928	4	84.00	Coal	.....	38.00	Oil	.....	3.00	40.00	20.00	50.00	5.00
929	6	144.00	Coal	.....	45.00	Oil	.....	3.60	60.00	40.00	30.00	30.00
930	4	120.00	Coal	.....	60.00	Oil	.....	1.44	50.00	60.00	90.00	5.00
931	4	60.00	Coal	.....	40.00	Oil	.....	1.44	35.00	25.00	120.00	.....
932	6	156.00	Coal	12	60.00	Oil	24	2.88	50.00	75.00	205.00	.....
933	4	96.00	Coal	.....	60.00	Oil	.....	1.44	50.00	40.00	120.00	.....
934	6	144.00	Coal	12	60.00	Oil	.....	1.44	50.00	70.00	.....	.....
935	8	120.00	Coal	12	60.00	Oil	18	2.16	35.00	50.00	20.00	3.00
936	4	84.00	Coal	9	45.00	Oil	12	1.44	50.00	60.00	200.00	.....
937	6	150.00	Coal	18	117.00	Oil	.....	2.88	150.00	150.00	125.00	150.00 100.00
938	6	96.00	Coal	9	57.00	Oil	.....	3.50	75.00	25.00	75.00	.....
939	4	60.00	Coal	8	28.00	Oil	.....	6.25	50.00	35.00	10.00	5.00
940	O. H.	.....	.....	.....	48.00	Oil	40	4.00	50.00	25.00	275.00	20.00 8.00
941	O. H.	.....	Coal	7	40.00	Oil	.....	5.00	30.00	20.00	100.00	5.00 7.00
942	5	120.00	Coal	.....	50.00	Oil	.....	6.00	50.00	50.00	50.00	.....
943	3	84.00	.....	.....	60.00	.....	.....	5.76	25.00	10.00	60.00	10.00 2.00
944	O. H.	.....	.....	.....	75.00	.....	.....	12.00	60.00	75.00	30.00	25.00 10.00
945	O. H.	.....	.....	.....	60.00	.....	.....	7.20	35.00	30.00	.....	100.00 4.00
946	4	130.00	Coal	7	42.00	Oil	30	3.00	40.00	35.00	85.00	4.00
947	7	132.00	Coal	5	27.50	Oil	40	4.00	30.00	45.00	40.00	3.00
948	4	150.00	Coal	7	42.00	Oil	25	2.50	35.00	15.00	.....	150.00
949	O. H.	.....	Coal	4	24.00	Oil	60	6.00	60.00	35.00	.....	6.00 30.00
950	8	144.00	Coal	7	45.00	Oil	50	5.00	60.00	60.00	100.00	5.00
951	8	156.00	Coal	8	44.00	Oil	50	5.00	40.00	30.00	20.00	100.00 3.00
952	5	91.00	Coal	7	38.00	Oil	20	2.00	40.00	10.00	.....	2.00
953	4	84.00	Coal	6	33.00	Oil	20	2.00	30.00	16.00	.....	60.00
954	6	108.00	Coal	8	48.00	Oil	30	3.00	50.00	20.00	60.00	12.00
955	7	78.00	Coal	8	51.00	Oil	30	3.00	15.00	10.00	220.00	4.00
956	3	60.00	Coal	4	22.00	Oil	30	3.00	30.00	12.00	16.00	200.00
957	5	96.00	Coal	6	33.00	Oil	40	4.00	25.00	12.00	150.00	5.00
958	5	84.00	Coal	7	38.00	Oil	30	3.00	26.00	20.00	25.00	7.50
959	5	108.00	Coal	6	33.00	Oil	40	4.00	45.00	20.00	200.00	80.00
960	4	66.00	Coal	5	27.50	Oil	50	5.00	30.00	10.00	30.00	100.00
961	6	123.50	Coal	8	44.00	Oil	20	2.00	35.00	15.00	100.00	6.00
962	7	132.00	Coal	8	44.00	Oil	40	4.00	30.00	30.00	.....	6.00
963	3	78.00	Coal	8	40.00	Oil	20	2.00	60.00	20.00	15.00	5.00
964	6	84.00	Coal	9	54.00	Oil	30	3.00	35.00	15.00	170.00	20.00
965	5	82.50	Coal	7	38.00	Oil	25	2.50	20.00	5.00	50.00	2.00
966	3	104.00	Coal	5	30.00	Oil	40	4.00	20.00	6.00	30.00	10.00
967	8	00.00	Coal	6	34.00	Oil	30	3.00	30.00	12.00	70.00	3.00
968	4	84.00	Coal	7	38.00	Oil	35	3.50	30.00	10.00	75.00	6.00
969	6	78.00	.....	.....	56.00	Oil	13	1.30	35.00	30.00	150.00	5.00
970	8	91.00	Coal	10	60.00	Oil	40	4.00	35.00	30.00	300.00	25.00
971	4	110.50	Coal	6	36.00	Oil	35	3.50	45.00	12.00	25.00	4.00
972	6	84.00	Coal	8	51.00	Oil	30	3.00	20.00	6.00	100.00	12.00
973	6	78.00	Coal	5	33.00	Oil	30	3.00	40.00	12.00	150.00	10.00
974	4	91.00	Coal	7	45.00	Oil	16	1.60	35.00	15.00	30.00	6.00
975	6	75.00	Coal	7	45.00	Oil	40	4.00	50.00	12.00	200.00	70.00
976	4	48.00	Coal	9	57.00	Oil	40	4.00	30.00	15.00	150.00	2.00
977	5	66.00	Coal	9	58.50	Oil	45	4.50	30.00	.....	300.00	4.00
978	6	84.00	Coal	9	54.00	Oil	60	6.00	35.00	12.00	250.00	80.00
979	5	130.00	Coal	6	39.00	Oil	40	4.00	40.00	20.00	70.00	3.00
980	3	60.00	Coal	5	27.50	Oil	18	1.80	30.00	10.00	20.00	.....
981	4	72.00	Coal	6	33.00	Oil	24	2.40	10.00	5.00	12.00	4.00
982	7	120.00	Coal	7	38.50	Oil	22	2.20	30.00	5.00	40.00	60.00



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
-----	-----	-----	\$20.00	\$3.00	\$5.00	\$14.00	\$15.00	\$48.00	\$24.00	\$10.00	-----	\$491.00	911
-----	-----	-----	-----	3.00	4.00	8.00	56.00	20.00	8.40	60.00	-----	495.84	912
-----	-----	-----	-----	3.00	1.50	8.00	4.00	36.00	2.40	2.00	-----	238.34	913
\$4.00	-----	-----	26.00	-----	15.00	25.00	-----	20.00	8.00	15.00	-----	505.80	914
1.00	-----	-----	-----	20.00	5.00	10.00	40.00	20.00	10.00	2.00	-----	248.80	915
3.50	\$26.00	-----	-----	2.00	2.00	1.50	-----	18.25	15.00	5.00	-----	198.75	916
3.00	-----	-----	-----	2.00	-----	4.00	2.00	36.50	1.00	-----	-----	271.12	917
-----	-----	\$3.00	-----	6.00	4.00	4.50	5.00	15.00	10.00	-----	\$5.00	203.00	918
-----	-----	-----	-----	1.00	1.50	-----	-----	18.25	5.00	20.00	3.00	192.25	919
-----	-----	6.00	-----	5.00	3.00	3.00	5.00	20.00	5.00	10.00	5.00	251.50	920
5.00	-----	-----	5.00	12.00	-----	10.00	-----	36.00	7.20	12.00	-----	228.70	921
4.50	-----	-----	-----	30.00	12.00	10.00	75.00	-----	15.00	20.00	60.00	779.50	922
-----	-----	7.00	-----	5.00	5.00	7.50	2.00	75.00	0.00	25.00	10.00	366.50	923
-----	12.00	3.00	-----	12.00	5.00	3.50	5.00	-----	-----	5.00	10.00	289.50	924
-----	-----	-----	6.00	-----	2.00	-----	-----	100.00	8.40	-----	13.00	326.40	925
-----	-----	-----	7.20	6.00	3.00	12.00	5.00	-----	6.00	13.00	-----	306.00	926
6.00	-----	6.00	-----	6.00	12.00	12.20	50.00	60.00	5.00	27.00	-----	614.20	927
-----	-----	-----	-----	6.00	3.00	3.60	5.00	25.00	-----	10.00	5.00	297.60	928
-----	-----	-----	6.00	12.00	2.00	10.00	10.00	36.00	3.00	6.00	12.00	449.60	929
-----	-----	-----	20.80	20.00	3.00	13.00	5.00	6.00	4.80	25.00	-----	484.04	930
-----	-----	-----	6.00	-----	-----	8.00	-----	6.00	4.80	3.00	-----	309.24	931
52.00	-----	-----	10.00	10.00	25.00	16.00	36.00	52.00	5.00	200.00	-----	954.88	932
-----	-----	-----	-----	2.00	15.00	60.00	60.00	12.00	-----	75.00	-----	531.44	933
-----	-----	-----	2.00	15.00	12.00	202.00	-----	-----	10.00	10.00	-----	576.44	934
-----	-----	-----	-----	18.00	2.00	8.00	-----	-----	3.00	-----	7.00	328.16	935
-----	-----	0.00	-----	6.00	6.00	8.00	60.00	60.00	24.00	-----	74.00	687.44	936
40.00	-----	5.00	20.00	36.00	20.00	50.00	204.00	5.00	-----	50.00	200.00	1,574.88	937
-----	-----	6.00	-----	12.00	6.00	8.00	10.00	150.00	13.00	25.00	10.00	571.50	938
-----	15.00	7.00	-----	12.00	6.00	7.20	10.00	-----	-----	5.00	5.00	261.45	939
4.00	72.00	6.00	9.00	10.00	6.00	8.00	50.00	20.00	5.00	20.00	25.00	665.00	940
3.00	-----	6.00	3.00	15.00	6.00	7.20	-----	100.00	26.00	5.00	5.00	383.20	941
-----	-----	6.00	12.00	6.00	6.00	7.20	-----	96.00	16.80	2.00	20.00	498.00	942
3.00	26.00	-----	-----	12.00	3.00	10.80	-----	-----	30.00	170.50	9.00	521.06	943
6.00	-----	6.00	-----	8.00	10.00	15.00	5.00	50.00	6.00	6.00	-----	399.00	944
2.50	18.00	-----	4.00	12.00	12.00	50.00	-----	18.00	18.00	-----	31.00	401.70	945
4.00	16.00	-----	-----	-----	5.00	5.00	34.60	10.00	5.00	4.00	25.00	427.00	946
-----	-----	-----	-----	4.00	4.00	6.00	5.00	-----	6.00	30.00	16.00	368.50	947
-----	-----	-----	-----	-----	-----	-----	-----	25.00	12.50	3.50	12.50	452.00	948
3.75	25.00	10.00	-----	5.00	10.00	10.00	-----	-----	6.00	10.00	18.00	258.75	949
4.00	-----	12.00	-----	10.00	5.00	10.00	2.00	-----	-----	5.00	40.00	507.00	950
2.70	-----	-----	-----	30.00	-----	45.00	12.00	-----	-----	3.00	20.00	510.70	951
-----	-----	-----	-----	-----	2.00	3.50	-----	30.00	9.00	12.00	18.00	255.50	952
-----	-----	-----	-----	-----	-----	3.50	-----	20.00	-----	20.00	25.00	205.50	953
-----	-----	-----	-----	-----	-----	6.00	-----	-----	12.00	5.00	25.00	349.00	954
-----	-----	-----	-----	3.00	-----	3.50	-----	-----	10.00	30.00	18.00	445.50	955
-----	-----	-----	-----	-----	-----	3.00	16.00	-----	12.00	20.00	12.00	406.00	956
-----	-----	-----	-----	1.00	3.50	1.00	-----	-----	8.00	5.00	16.00	359.50	957
-----	-----	-----	-----	-----	3.50	.50	-----	-----	8.00	6.00	25.00	246.50	958
-----	-----	-----	2.00	2.00	5.00	4.00	-----	-----	12.00	20.00	20.00	555.00	959
-----	10.40	-----	-----	-----	-----	-----	-----	-----	6.00	10.00	12.00	300.90	960
4.00	15.60	-----	-----	1.00	-----	-----	-----	12.00	12.00	50.00	20.00	430.10	961
-----	-----	-----	-----	2.00	1.00	2.00	-----	30.00	6.00	4.00	20.00	315.00	962
-----	-----	-----	-----	-----	-----	-----	-----	20.00	10.00	30.00	18.00	298.00	963
-----	10.40	-----	-----	12.00	-----	6.00	-----	-----	7.20	20.00	20.00	456.60	964
-----	-----	-----	-----	-----	-----	-----	-----	15.00	6.00	12.00	18.00	251.00	965
-----	-----	-----	-----	-----	-----	-----	-----	10.00	6.00	2.00	15.00	237.00	966
-----	20.80	-----	-----	1.00	-----	2.00	-----	15.00	12.00	10.00	16.00	288.80	967
-----	-----	-----	11.00	-----	-----	2.00	-----	20.00	9.00	12.00	20.00	320.50	968
-----	33.12	-----	10.00	-----	3.50	3.00	-----	-----	15.00	5.00	29.00	453.92	969
-----	-----	-----	29.00	-----	-----	-----	-----	-----	30.00	40.00	-----	614.00	970
-----	-----	6.00	-----	3.50	-----	-----	-----	12.00	9.00	8.00	12.00	286.50	971
-----	15.60	-----	29.00	3.50	-----	-----	-----	42.00	6.00	30.00	16.00	418.10	972
-----	5.20	-----	12.00	3.50	-----	-----	-----	10.00	12.00	12.00	16.00	396.70	973
-----	-----	8.00	-----	1.00	-----	-----	-----	-----	6.00	10.00	20.00	268.60	974
-----	5.20	-----	12.00	3.50	-----	-----	-----	-----	10.00	50.00	20.00	556.70	975
-----	-----	3.00	-----	-----	-----	-----	-----	30.00	9.00	80.00	20.00	448.00	976
-----	16.80	-----	28.00	-----	12.00	4.00	-----	25.00	-----	5.00	50.00	603.80	977
-----	24.50	-----	22.00	-----	3.50	5.00	-----	42.00	20.00	20.00	20.00	678.00	978
-----	10.40	-----	7.50	-----	6.00	-----	-----	6.00	12.00	120.00	16.00	483.90	979
-----	-----	-----	-----	1.00	-----	-----	-----	20.00	10.00	10.00	14.00	204.30	980
-----	10.40	-----	-----	3.50	-----	-----	-----	-----	6.00	4.00	10.00	172.30	981
1.20	-----	-----	-----	6.00	-----	-----	-----	20.00	9.00	3.00	18.00	352.90	982



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.	
983	6	\$120.00	Coal	5	\$27.55	Oil	25	\$2.50	\$40.00	\$15.00		\$3.00
984	6	84.00	Coal	6	33.00	Oil	24	2.40	40.00	12.00	\$10.00	6.00
985	6	150.00	Coal	6	33.00	Oil	30	3.75	40.00	30.00	60.00	5.00
986	5	52.00	Coal	6	33.00	Oil	30	3.00	25.00	12.00	70.00	3.00
987	O. H.		Coal	10	17.50	Oil	19	2.70	28.00	21.00	19.00	50.00
988	O. H.		Coal	14	24.50	Oil		5.15	35.00	29.75	60.00	55.00
989		36.00	Coal	11	19.25	Oil	21	2.91	51.00	42.50		25.90
990		72.00	Coal	10	17.50	Oil		4.00	30.00	25.50		30.00
991		120.00	Coal	12	21.00	Oil	23	3.41	31.00	24.00		110.00
992		100.00	Coal	12	21.00	Oil		4.00	85.00	45.00	25.00	41.50
993		84.00	Coal		18.35	Oil		5.30	32.50	38.00	10.00	150.00
994		84.00	Coal		23.62	Oil		5.50	25.00	20.00	79.50	10.00
995		84.00	Coal	15	28.25	Oil		4.00	35.00	12.00	15.00	22.50
996	O. H.		Coal	14	24.50	Oil	21	3.05	52.50	21.00	11.50	25.00
997	O. H.		Coal		21.87	Oil		3.85	28.10	36.05	15.00	24.00
998		72.00	Coal		24.00	Oil		3.60	20.50	55.00	195.50	40.00
999	O. H.		Coal	12	17.50	Oil	19	2.70	25.50	21.50	65.00	25.00
1000	O. H.		Coal	10	17.50	Oil	21	3.15	30.00	18.50		12.10
1001		99.00	Coal	14	24.50	Oil		4.70	37.75	26.50	18.00	151.50
1002	O. H.		Coal	11	19.25	Oil	19	2.85	31.10	12.50		26.50
1003	O. H.		Coal	12	21.00	Oil	40	6.00	40.00	99.50	24.75	30.00
1004		84.00	Coal	13	22.10	Oil		2.80	47.50	28.10	32.00	25.00
1005		72.00	Coal	12	21.00	Oil		5.02	31.50	25.25	15.00	10.00
1006		60.00	Coal	6	15.60	Oil	20	3.00	25.75	21.50		10.00
1007	O. H.				33.80	Oil	24	3.60	51.50	72.50		62.00
1008		60.00	Coal	18	45.00	Oil		5.60	35.00	30.00	130.00	17.50
1009		84.00	Coal	12	19.20	Oil	13	1.95	41.50	54.25	10.00	205.00
1010	O. H.				31.72	Oil	26	3.12	82.50	59.00	20.10	79.89
1011	O. H.		Coal	18	45.00	Oil	28	4.20	50.25	20.10	96.50	15.25
1012	O. H.		Coal	17	42.50	Oil		5.38	75.50	65.50		152.10
1013	O. H.		Coal	10	26.00	Oil	22	3.30	48.50	29.75	95.00	80.00
1014		72.00	Coal	12	30.00	Oil	20	3.00	19.00	27.50	18.25	10.00
1015		60.00	Coal	14	35.00	Oil	21	3.15	31.50	22.00	49.10	15.00
1016		84.00	Coal	15	37.60	Oil		4.00	42.50	37.00	25.50	15.00
1017		60.00	Coal	8	20.80	Oil		6.25	5.50	12.50	28.00	9.50
1018		75.00	Coal	13	32.50	Oil		5.60	110.00	24.00		41.50
1019	O. H.		Coal	10	26.00	Oil		7.50	97.00	26.50	72.00	35.00
1020		96.00	Coal	11	27.50	Oil		5.50	59.50	36.50	33.00	175.00
1021		108.00	Coal	13	32.50	Oil		4.60	87.00	59.50		300.00
1022		72.00	Coal	14	35.00	Oil		5.00	81.50	63.25		35.00
1023		48.00	Coal	10	23.00	Oil		1.00	18.00	15.00	20.00	10.00
1024	O. H.		Coal	5	12.50	Oil	24	3.60	21.00	23.00	13.00	
1025	O. H.		Coal	12	60.00	Oil		5.00	60.00	50.00	50.00	30.00
1026		120.00	Coal	12	60.00	Oil		5.00	100.00	75.00	75.00	25.00
1027	O. H.		Coal	14	70.00	Oil		4.00	75.00	75.00	125.00	50.00
1028		84.00		12	60.00		40	5.00	50.00	50.00	40.00	5.00
1029	O. H.		Coal	11	57.00			2.00	75.00	60.00	30.00	85.00
1030		96.00	Coal	9	45.00	Oil	20	3.00	20.00	12.00	17.00	10.00
1031		84.00	Coal	7	36.00	Oil	33	5.00	75.00	25.00	25.00	160.00
1032	O. H.		Coal		25.00	Oil	46	5.98	40.00	45.00	30.00	
1033	6	84.00			31.50	Oil	53	6.89	45.00	42.00	110.00	48.00
1034	O. H.		Coal	10	25.00	Oil	23	2.99	40.00	50.00	73.00	25.00
1035	O. H.				30.00	Oil	24	3.12	30.00	20.00	130.00	
1036	O. H.				196.00	Gas		26.00	80.00	150.00	150.00	
1037	O. H.		Coal	5	30.00			10.00	40.00	40.00	18.00	
1038	O. H.		Coal		20.00	Oil	24	3.12	50.00	75.00		40.00
1039	5	84.00	Coal		28.50	Oil		5.35	75.00	75.00	20.00	
1040	5	120.00	Coal	5	24.00	Oil		2.00	97.00	50.00	15.00	33.00
1041	7	180.00			30.00	Oil		3.24	60.00	75.00	50.00	90.00
1042	5	120.00	Coal		35.50	Oil		4.40	50.00	20.00	200.00	
1043	5	120.00			36.50	Oil		4.80	22.75	15.00	45.00	20.00
1044	7	132.00			35.50	Oil		5.40	25.00	35.00	200.00	75.00
1045	5	72.00			25.50	Oil		5.40	52.00	60.00	45.00	15.00
1046	5	120.00	Coal		30.00	Oil	30	3.00	50.00	50.00	60.00	
1047	O. H.		Coal		25.00	Gas		24.00	75.00	40.00	100.00	
1048	O. H.		Coal		40.00	Gas		18.00	75.00	65.00	50.00	
1049	3	72.00	Coal		19.50	Oil	24	2.40	15.00	7.50	8.00	7.00
1050	O. H.		Coal		35.00	Oil	10	1.20	12.00	10.00	8.00	
1051	4	84.00	Coal		26.00	Oil	24	3.60	25.00	13.50	25.00	14.00
1052		60.00	Coal		39.00	Oil	24	2.88	28.00	5.00	16.80	
1053	5	96.00	Coal		42.00			3.60	35.00	15.00	50.00	10.00
1054	O. H.		Coal		35.00	Oil	50	6.00	50.00	50.00	200.00	100.00

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments 'and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
\$1.25	\$12.00			\$6.00		\$3.00		\$60.00	\$12.00	\$2.00	\$18.00	\$322.30	983
				2.00		2.50				30.00	20.00	241.90	984
2.80		\$2.00			\$2.00	18.00	\$4.00		20.00	3.00	20.00	393.55	985
						2.50		25.00	8.00	15.00	14.00	262.50	986
1.25					5.00	10.00	3.00	8.00	18.00	11.50		197.09	987
1.23	13.00			10.00	9.50	50.00	5.50	20.00		115.50	7.75	453.93	988
		6.00	\$9.50		6.00	15.20	4.50		13.50	16.00	8.25	256.51	989
					3.00				15.00	21.50		218.50	990
		6.00			4.00	1.75	31.00	50.00	5.00	7.00	3.75	417.91	991
		6.00		10.00	12.00	18.00	15.00	12.00	20.00	15.50	2.00	432.00	992
		6.00		3.00	4.25	8.00							
		6.00	6.00	8.00	3.00	10.50		11.00	5.00	43.50	6.50	427.40	993
		6.00			3.00	6.00	6.50			15.75	3.10	299.97	994
2.42		6.00			19.50	21.10	7.00			10.50	2.00	342.00	995
2.09		6.00			1.50	5.00	10.00			30.00	3.00	257.57	996
3.20		6.00		30.00	12.00	25.50	10.00		10.40	6.00	9.00	188.86	997
1.30	25.00		2.00	8.00	4.00	9.50	3.00		12.50	15.00		560.80	998
2.50				14.00	5.00	4.00			3.00	10.00		235.16	999
	41.00		5.20		5.10	19.50	5.00		25.00	15.00	6.10	165.85	1000
1.52				10.00	1.00	3.10	2.75		12.50	51.00	2.00	527.50	1001
2.10			4.50		2.00	1.00		5.50			3.00	128.57	1002
	5.20			2.00	15.00	21.00		9.00	15.00	65.00	3.50	371.17	1003
				1.00	3.00	4.10	1.00		3.50	6.00	6.10	272.40	1004
					2.00	3.50	2.50	5.50	4.00	5.00		203.27	1005
					1.50	5.00	1.50	4.20	4.80	3.25		156.10	1006
1.98			5.60	10.00	4.00	41.00	1.00	10.00	11.50	30.00		344.98	1007
	5.20		14.00		5.00	4.50	3.00		6.72	15.00	1.50	394.02	1008
	2.60			4.00	5.00	2.50		13.00	6.00		3.00	470.60	1009
2.05		6.00		1.00	5.00	20.25	9.00	15.50	20.00				
3.50		6.00		12.00	1.50	12.50	1.50	5.10	5.10	5.00		365.33	1010
2.25		6.00		2.00	2.50	12.00	3.50	2.75	10.25			309.05	1011
3.00	12.00	6.00		2.00	1.00	7.50	3.25	9.50	14.75	25.00	2.00	433.48	1012
		6.00			1.00	2.50			5.10	15.00	3.50	355.90	1013
			6.00	1.50	1.50	3.00	1.00		8.25	10.75	1.25	228.00	1014
		6.00	5.10	8.00	2.00	5.00		4.50	4.00			237.25	1015
				.50	1.00	4.50	3.75	11.50	10.75	10.50	2.30	310.50	1016
		6.00		3.00	9.50	12.50			9.60	6.00	2.00	166.15	1017
2.50		6.00			5.00	8.50	5.50	29.00	10.50	120.00	3.50	488.10	1018
	21.25	6.00		2.00	5.00	24.50	41.50	72.00	5.00	120.00		534.76	1019
		6.00			7.00	4.75		6.50	9.80	15.25		523.30	1020
		6.00	5.60	2.00	5.00	5.25	10.00	10.00	26.00	12.50	3.00	670.85	1021
5.23				6.00		2.00	5.00		8.30	45.00	3.20	377.10	1022
1.75					1.50	3.00		3.00	4.00	30.00		182.20	1023
8.00	45.00		20.00	25.00	10.00	10.00	13.00	3.00	20.50	3.00		131.25	1024
	20.00			15.00	20.00	10.00	35.25	5.00	10.00	15.00	41.25	504.50	1025
4.00	32.00		30.00	65.00	25.00	20.00	10.00	10.00	10.00	100.00	60.00	705.00	1026
4.00	10.68		60.68	5.00	6.00	7.00	5.00	10.00	10.00	50.00	5.00	659.50	1027
3.50	85.00			15.00	10.00	16.00	5.00	10.00	5.00	60.00	55.50	522.86	1028
					3.00		5.00		10.00	10.00	51.00	555.25	1029
	8.00		6.00		10.00	12.00	20.00	2.00	2.40	5.00	57.50	277.90	1030
5.33	24.24	6.00		2.00		7.00		10.00	10.00	25.00	25.00	536.00	1031
		6.00		5.00	5.00	35.00		2.00	12.00	10.00	2.75	306.30	1032
7.00		6.00		12.00	15.00	6.00	20.00	6.00	6.00	36.50	4.70	467.59	1033
11.00			12.00		3.00			150.00	4.00	25.00	6.00	480.99	1034
	220.00		6.00	52.00	48.00	25.00	10.00		2.50		3.25	248.12	1035
50.00	30.00	15.00	12.00		10.00		4.00			40.00	402.00	1,429.00	1036
			12.36	10.00	4.00	21.50	5.00			5.00	7.00	282.00	1037
9.50		6.00			5.00	5.00			25.00		3.25	316.48	1038
	20.00		5.00		6.00	30.00			5.00	11.00	3.25	341.60	1039
	120.00			10.00	10.00	25.00		215.00	5.00	40.00	4.25	421.25	1040
				20.00		3.65			10.40	70.00	6.25	947.49	1041
						4.25		24.00	7.20	15.00	10.40	540.20	1042
	14.00			3.50	4.00	4.00			28.80	75.00	8.35	324.90	1043
		4.50	10.00	3.00	5.00		6.00		75.00		8.35	645.55	1044
		8.00				7.80		30.00	12.00		5.25	320.65	1045
9.00	37.50		4.00	12.00	15.00	12.95		10.00		8.00		376.80	1046
15.00		10.00		30.00	5.00	27.80		6.00		60.00	420.45	420.45	1047
						2.00		15.00		7.00	377.80	1048	
3.00					2.00			2.00	7.20	20.00	7.40	171.44	1049
					2.00	1.00		3.00	6.00	1.00	6.70	100.21	1050
					1.50	3.00				15.00	10.20	220.80	1051
		15.00			4.00		2.60		28.30	25.00	6.80	233.88	1052
					5.00	12.80		25.00	6.00	50.00	8.60	359.00	1053
10.00	20.00		8.00	10.00	10.00	5.00	175.00		25.00	30.00	100.00	934.00	1054



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
1055	O. H.	.....	Coal	.....	\$39.00	Oil	24	\$3.60	\$28.00	\$25.00	\$25.00	\$6.00	21.00
1056	O. H.	.....	Coal	.....	31.50	Oil	24	3.60	35.00	15.00	50.00	.....	24.00
1057	4	\$60.00	Coal	.....	12.60	Oil	12	1.80	12.00	5.00	25.00	.....	.....
1058	6	120.00	Coal	.....	42.50	Oil	24	2.40	60.00	50.00	75.00	.....	.....
1059	6	122.00	Coal	.....	30.00	Oil	24	2.40	25.00	10.00	10.00	.....	.....
1060	4	72.00	Coal	.....	22.50	Oil	72	9.36	40.00	50.00	187.00	.....	.....
1061	3	60.00	Coal	.....	21.25	Oil	42	5.76	60.00	35.00	20.00	.....	.....
1062	5	108.00	.....	.....	47.50	Oil	.....	4.80	50.00	30.00	75.00	.....	.....
1063	4	72.00	Coal	.....	42.00	Oil	.....	6.20	50.00	30.00	.....	.....	.....
1064	O. H.	.....	.....	.....	65.00	Gas	24.00	100.00	100.00	60.00	300.00	50.00	.....
1065	O. H.	.....	Coal	14	35.00	Oil	.....	5.65	95.00	120.00	138.00	250.00	40.50
1066	O. H.	.....	Coal	14	35.25	Oil	26	3.90	62.50	39.50	.....	15.50	10.20
1067	.....	66.00	Coal	10	17.50	Oil	.....	3.40	35.00	20.00	41.00	10.50	.....
1068	.....	Free	Coal	15	25.50	Oil	20	3.00	85.00	30.00	.....	149.50	.....
1069	5	84.00	.....	.....	23.50	Oil	.....	3.40	39.00	35.00	.....	20.00	.....
1070	G. H.	.....	Coal	14	35.00	Oil	27	4.10	43.50	38.00	54.50	.....	9.85
1071	O. H.	.....	Coal	12	25.00	Oil	.....	4.22	51.00	19.75	61.50	9.75	8.50
1072	O. H.	.....	Coal	.....	56.00	Oil	96	12.58	50.00	50.00	180.00	.....	2.76
1073	4	48.00	.....	.....	15.00	Oil	12	1.56	22.00	10.00	7.00	.....	.....
1074	O. H.	.....	Coal	.....	40.00	Oil	96	12.48	65.00	75.00	250.00	.....	20.00
1075	4	84.00	Coal	.....	20.00	Oil	24	3.12	57.00	60.00	15.00	.....	.....
1076	5	70.00	Coal	.....	26.00	.....	.....	.....	100.00	60.00	20.00	.....	.....
1077	6	144.00	.....	.....	42.00	Oil	.....	5.60	45.00	45.00	52.00	60.00	.....
1078	4	72.00	Coal	.....	24.50	Oil	.....	5.10	25.00	17.50	13.00	.....	.....
1079	6	144.00	.....	.....	31.50	Oil	.....	7.20	50.00	40.00	55.00	200.00	.....
1080	O. H.	.....	Coal	9	48.00	Oil	10	2.00	27.00	25.00	50.00	30.00	8.00
1081	O. H.	.....	Coal	12	30.00	.....	.....	.....	20.00	18.00	23.00	12.00	.....
1082	O. H.	.....	Coal	10	26.00	Oil	.....	5.75	45.00	40.00	82.75	15.50	20.50
1083	O. H.	.....	Coal	18	45.00	.....	.....	.....	20.00	15.00	39.50	.....	6.24
1084	6	120.00	Coal	.....	32.50	Oil	24	2.40	50.00	40.00	40.00	100.00	.....
1085	5	120.00	Coal	.....	30.00	Oil	30	3.00	30.00	25.00	30.00	.....	.....
1086	O. H.	.....	Coal	11	27.50	Oil	26	3.90	30.00	20.00	24.00	22.50	6.78
1087	O. H.	.....	Coal	.....	38.50	Oil	48	7.20	28.50	12.00	245.00	12.00	41.59
1088	.....	78.00	Coal	.....	32.50	Oil	20	2.40	17.00	20.00	35.00	10.00	.....
1089	6	120.00	Coal	.....	30.00	Oil	35	3.50	55.00	40.00	350.00	.....	.....
1090	5	132.00	Coal	.....	39.50	Oil	30	3.00	50.00	30.00	50.00	35.00	.....
1091	5	96.00	Coal	.....	25.00	Oil	24	3.12	50.00	150.00	54.00	25.00	.....
1092	5	120.00	Coal	.....	36.50	Oil	36	4.68	50.00	165.00	85.00	.....	.....
1093	O. H.	.....	.....	.....	30.85	Oil	.....	7.00	25.00	35.00	135.00	.....	12.00
1094	O. H.	.....	.....	.....	40.00	Gas	.....	10.00	30.00	35.00	.....	30.00	20.00
1095	O. H.	.....	Coal	.....	31.80	Oil	23	3.09	40.00	20.00	75.00	.....	12.00
1096	5	96.00	Coal	.....	25.00	Oil	36	4.36	50.00	50.00	40.00	.....	3.00
1097	5	108.00	Coal	.....	24.00	Oil	.....	3.09	25.00	25.00	35.00	12.50	.....
1098	2	48.00	.....	.....	36.00	.....	.....	5.24	35.00	40.00	10.00	.....	.....
1099	4	120.00	Coal	.....	34.00	Oil	.....	4.25	50.00	50.00	75.00	.....	.....
1100	7	192.00	.....	.....	66.00	Oil	.....	7.25	75.00	100.00	50.00	25.00	.....
1101	.....	84.00	Coal	.....	20.12	Oil	13	1.95	37.50	22.00	15.50	2.25	.....
1102	.....	96.00	Coal	10	17.50	Oil	.....	4.45	43.50	40.00	86.00	35.00	5.90
1103	O. H.	.....	Coal	15	37.50	.....	.....	3.00	62.50	71.25	35.10	12.50	2.96
1104	O. H.	.....	Coal	.....	31.50	Oil	20	2.40	35.00	20.00	18.00	.....	9.70
1105	3	60.00	Coal	.....	20.00	Oil	12	1.44	20.00	8.00	29.00	16.00	.....
1106	O. H.	.....	Coal	10	50.00	Oil	.....	2.50	24.00	30.00	125.00	10.00	8.00
1107	O. H.	.....	Coal	.....	44.00	Oil	36	5.40	10.00	10.00	25.00	5.00	15.50
1108	O. H.	.....	Coal	.....	35.75	Oil	18	2.70	25.00	15.00	.....	3.50	32.00
1109	13	400.00	.....	.....	54.00	Gas	.....	36.00	125.00	150.00	300.00	.....	7.00
1110	.....	102.00	.....	.....	50.00	.....	40	4.80	100.00	50.00	25.00	25.00	.....
1111	O. H.	.....	Coal	17	44.54	Oil	.....	5.75	62.50	43.25	85.50	73.75	12.30
1112	.....	108.00	Coal	15	37.50	Oil	24	3.10	41.50	25.00	75.50	30.00	.....
1113	O. H.	.....	Coal	9	24.00	Oil	.....	5.90	35.50	27.25	50.00	15.50	11.85
1114	.....	72.00	Coal	.....	28.75	Oil	27	3.98	67.50	72.25	.....	31.10	3.00
1115	.....	84.00	Coal	12	30.00	Oil	.....	4.00	110.00	36.00	.....	450.00	.....
1116	.....	84.00	Coal	16	39.50	Oil	30	4.50	49.75	26.50	21.00	12.00	.....
1117	O. H.	.....	.....	.....	25.20	Oil	.....	4.98	125.50	310.25	112.50	98.25	13.10
1118	.....	72.00	Coal	18	45.00	Oil	60	9.00	45.00	37.50	121.10	30.00	.....
1119	.....	60.00	Coal	10	17.50	Oil	.....	5.15	30.50	21.00	15.00	30.00	.....
1120	.....	60.00	Coal	18	45.00	Oil	25	3.95	45.50	49.00	25.00	21.50	.....
1121	.....	108.00	Coal	12	20.00	Oil	20	3.00	41.50	25.00	12.00	200.00	.....
1122	.....	120.00	Coal	18	31.50	Oil	.....	4.00	38.50	25.00	90.50	15.00	.....
1123	.....	108.00	Coal	15	26.25	.....	.....	.50	59.50	62.00	90.00	55.50	.....
1124	.....	72.00	Coal	.....	21.87	Oil	24	3.60	49.50	35.00	18.25	35.00	.....
1125	.....	96.00	Coal	18	31.50	Oil	18	1.70	18.50	21.10	39.50	55.00	.....
1126	.....	84.00	Coal	13	22.75	Oil	.....	4.42	45.00	41.50	12.00	36.75	.....



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	Labor.	Other.										
\$3.33	\$10.00	-----	\$6.00	-----	\$1.75	\$4.00	\$15.00	-----	\$6.00	\$8.00	\$67.40	\$289.08	1055
-----	-----	-----	6.00	\$10.00	4.00	12.00	50.00	\$12.00	14.40	25.00	31.00	323.50	1056
-----	-----	-----	10.00	-----	2.00	2.00	-----	12.00	9.00	25.00	7.40	183.80	1057
-----	-----	\$3.00	-----	5.00	7.00	-----	-----	15.00	12.00	12.00	-----	403.90	1058
-----	-----	-----	4.00	-----	-----	5.25	-----	-----	12.00	6.00	10.00	236.65	1059
-----	-----	8.00	-----	12.00	5.00	6.00	-----	-----	5.20	40.00	45.50	502.56	1060
-----	-----	8.00	18.00	18.00	-----	40.00	5.00	-----	10.00	30.00	7.25	338.26	1061
-----	9.60	-----	-----	-----	-----	3.00	-----	-----	20.80	100.00	9.00	457.70	1062
-----	5.20	-----	-----	-----	-----	8.40	-----	-----	-----	-----	5.75	219.55	1063
40.00	-----	-----	12.00	65.00	35.00	30.00	600.00	-----	-----	100.00	10.00	1,591.00	1064
6.50	29.60	6.00	12.00	20.00	5.50	36.00	93.00	31.00	16.00	18.50	6.00	954.65	1065
2.25	30.00	6.00	10.00	2.50	3.00	5.50	-----	19.50	-----	10.50	-----	256.10	1066
-----	-----	-----	5.20	-----	1.50	2.75	-----	-----	15.00	4.50	4.00	226.35	1067
-----	-----	6.00	-----	2.00	12.00	6.50	16.00	-----	-----	-----	5.50	341.00	1068
-----	-----	-----	-----	12.09	-----	1.50	-----	-----	7.25	-----	4.15	229.80	1069
2.90	-----	-----	5.00	4.00	2.00	3.00	2.50	8.00	5.25	-----	-----	217.60	1070
1.92	-----	-----	3.00	6.00	2.50	9.50	3.25	37.90	12.00	24.50	1.80	282.09	1071
18.70	-----	6.00	-----	10.00	-----	15.00	25.00	-----	-----	15.00	13.00	454.04	1072
-----	-----	-----	-----	-----	3.00	-----	-----	7.00	9.36	10.00	6.00	138.92	1073
40.00	-----	12.00	-----	12.00	10.00	40.00	-----	-----	15.00	60.00	13.00	664.48	1074
-----	-----	6.00	-----	-----	5.00	2.00	-----	20.00	9.60	40.00	10.00	331.72	1075
-----	80.00	6.00	-----	-----	10.00	5.00	-----	150.00	12.00	30.00	8.00	527.00	1076
-----	-----	6.00	10.80	-----	-----	3.12	-----	-----	6.00	15.00	9.14	443.66	1077
-----	-----	-----	-----	-----	-----	1.50	-----	-----	8.20	18.00	6.00	190.80	1078
7.00	12.00	-----	-----	-----	4.00	25.00	-----	-----	10.40	30.00	3.75	602.85	1079
-----	1.00	-----	14.00	-----	8.00	12.00	5.00	3.00	-----	15.00	12.00	278.00	1080
3.40	-----	-----	-----	1.00	-----	2.00	-----	30.00	5.50	-----	-----	157.50	1081
2.25	-----	-----	2.50	3.75	3.50	6.00	1.50	11.00	3.50	-----	-----	270.65	1082
-----	-----	-----	5.00	-----	-----	-----	-----	-----	3.00	-----	-----	135.99	1083
10.40	6.00	3.00	12.00	-----	5.00	7.00	-----	-----	18.00	10.00	7.25	463.55	1084
-----	18.90	-----	-----	-----	10.00	12.00	-----	-----	6.00	-----	8.00	292.90	1085
1.75	3.20	-----	-----	-----	6.00	15.00	10.00	5.00	8.00	60.00	3.50	248.23	1086
-----	-----	-----	24.00	6.00	8.00	13.00	100.00	15.00	25.00	300.00	213.92	1,089.71	1087
-----	4.80	-----	12.00	-----	1.50	6.00	-----	2.00	7.68	-----	11.10	239.98	1088
-----	26.00	5.00	-----	10.00	5.00	3.50	-----	10.00	16.00	7.50	10.00	691.50	1089
-----	12.00	-----	-----	-----	-----	7.00	-----	-----	10.00	6.00	7.00	381.50	1090
-----	-----	6.00	4.00	12.00	25.00	6.00	-----	-----	36.00	-----	5.65	497.77	1091
6.00	-----	8.00	5.00	39.00	50.00	10.00	30.00	-----	7.68	40.00	116.00	764.86	1092
5.00	30.00	-----	11.00	10.00	-----	15.00	-----	-----	7.80	75.00	198.25	567.90	1093
-----	-----	3.00	30.00	10.00	10.00	10.00	2.00	-----	-----	3.00	5.00	263.00	1094
-----	12.00	6.00	12.00	-----	2.00	-----	-----	-----	-----	15.00	10.00	226.89	1095
-----	-----	7.00	7.00	5.00	4.50	2.50	-----	-----	4.16	5.00	8.25	322.77	1096
-----	-----	-----	-----	-----	3.00	3.00	-----	12.00	-----	-----	8.25	260.84	1097
-----	-----	17.00	4.00	6.00	3.00	-----	-----	6.25	3.00	196.99	-----	393.42	1098
-----	-----	50.00	5.00	5.00	3.00	-----	-----	25.00	-----	5.17	4.25	764.50	1100
2.20	50.42	6.00	2.00	10.00	7.00	35.00	3.00	11.00	10.00	175.00	4.25	764.50	1100
-----	24.50	6.00	8.50	5.00	3.00	6.90	8.50	19.50	10.00	30.10	1.50	236.54	1101
2.00	-----	9.00	15.00	-----	-----	6.00	-----	3.25	32.25	7.00	2.25	463.22	1102
-----	-----	-----	4.00	-----	2.00	6.00	-----	9.00	-----	68.70	7.00	349.21	1103
5.00	42.00	-----	10.00	10.00	10.00	10.00	-----	24.00	12.00	1.00	8.40	202.84	1105
2.40	57.20	-----	9.00	12.00	1.75	6.00	-----	8.00	5.00	15.00	9.00	363.50	1106
6.67	25.62	-----	5.00	20.00	5.00	6.00	-----	-----	23.00	-----	17.30	243.55	1107
33.00	75.00	-----	18.00	75.00	96.00	52.00	-----	-----	40.00	72.41	294.65	1108	
-----	10.00	-----	6.00	12.00	10.00	40.00	10.00	-----	10.00	7.00	1,438.00	1109	
2.25	5.52	6.00	8.00	24.00	12.00	7.50	5.35	12.00	-----	380.00	104.25	953.05	1110
-----	-----	6.00	-----	18.00	2.00	12.50	3.50	11.00	6.50	47.50	2.50	460.21	1111
2.96	-----	-----	5.00	3.00	6.50	3.75	-----	15.00	-----	82.00	-----	462.10	1112
-----	41.90	6.00	4.00	10.00	9.50	30.50	10.00	30.00	6.25	25.25	2.20	233.66	1113
-----	-----	6.00	-----	15.00	3.00	12.00	1.50	-----	4.10	11.25	1.00	438.98	1114
-----	18.00	6.00	7.25	6.00	4.00	2.75	10.00	-----	4.75	7.80	3.00	766.40	1115
1.96	167.65	6.00	15.00	10.50	42.50	40.00	253.50	21.50	15.50	4.50	8.60	309.10	1116
-----	-----	7.00	40.00	32.00	2.00	6.10	-----	10.50	18.25	3.50	230.00	1,497.39	1117
-----	-----	-----	-----	-----	4.00	5.00	-----	-----	7.50	5.00	2.10	525.45	1118
-----	-----	6.00	5.50	12.00	2.00	10.50	5.00	15.00	24.25	20.00	-----	350.20	1120
-----	-----	6.00	-----	4.50	2.50	-----	-----	21.00	14.50	25.00	5.50	488.50	1121
-----	-----	6.00	-----	8.00	4.00	8.50	8.00	13.40	5.50	120.50	13.50	511.90	1122
-----	-----	6.00	6.00	15.00	10.50	10.00	-----	25.50	15.00	5.00	5.00	494.75	1123
-----	-----	6.00	8.00	17.00	4.50	22.00	2.50	12.00	3.00	30.00	10.25	350.47	1124
-----	-----	6.00	-----	15.00	10.00	7.50	25.50	-----	11.00	15.50	-----	353.80	1125
-----	6.00	-----	2.00	3.50	7.50	5.10	5.10	13.00	12.25	6.10	8.50	310.37	1126

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Budget number.	Rent.		Fuel.			Lighting.			Clothing.			Furniture and utensils.	Taxes.
	Rooms.	Cost.	Kind.	Quantity (tons).	Cost.	Kind.	Quantity (gallons).	Cost.	Husband.	Wife.	Children.		
1127	7	\$120.00			\$22.00	Oil		\$9.50	\$17.00	\$15.00	\$45.00	\$5.00	
1128	7	96.00			26.00	Gas		16.50	26.00	20.00		14.00	
1129	7	90.00			25.00	Oil		7.00	15.00	20.00		30.00	
1130	6	72.00			23.00	Oil		7.50	28.00	20.00		5.00	
1131	7	96.00			25.00	Oil		7.50	20.00	15.00	40.00		
1132	6	90.00			23.00	Oil		9.00	19.00	20.00	50.00	5.00	
1133	5	75.00			21.00	Oil		9.00	16.00	28.00		5.00	
1134	6	80.00			22.00	Oil		8.00	27.00	20.00	40.00	3.00	
1135	6	70.00			20.00	Oil		7.60	17.00	15.00	42.00	5.00	
1136	O. H.				28.00	Gas		17.50	27.00	14.00	50.00	12.00	\$45.38
1137	5	96.00			18.50	Oil		8.00	17.00	15.00		5.00	
1138	7	96.00			21.00	Oil		8.50	20.00	25.00	36.00	6.00	
1139	8	90.00			20.00	Oil		8.00	21.00	20.00	48.00	5.00	
1140	5	60.00			20.00	Oil		8.25	25.00	23.00	12.00	14.00	
1141	5	60.00			20.00	Oil		9.00	25.00	25.00		5.00	
1142	3	132.00	Coal	8	51.00	Oil	25	2.50	50.00	50.00		25.00	.50
1143	6	192.00	Coal	7	45.00	Gas		12.00	50.00	75.00	40.00	25.00	.50
1144	8	204.00	Coal		40.00	Gas		18.00	50.00	40.00	60.00	5.00	.50
1145	4	120.00	Coal	5	38.75	Oil	30	3.00	25.00	10.00	45.00	2.00	.50
1146	6	216.00			33.00	Gas		16.70	15.00	20.00	40.00	10.00	
1147	5	110.50			27.00	Oil		7.50	16.00	16.00	30.00	28.00	
1148	4	96.00			26.00	Oil		7.50	17.00	30.00		10.00	
1149	7	264.00			40.00	Gas		18.50	20.00	20.00	60.00	24.00	
1150	4	90.00			24.00	Oil		7.00	15.00	20.00	40.00	10.00	
1151	O. H.				42.75	Gas		15.85	30.00	10.00	55.00	19.50	43.00
1152	6	186.00			38.50	Gas		17.75	20.00	20.00	20.00	15.00	
1153	6	192.00			36.50	Gas		13.75	18.00	18.00	60.00	17.00	
1154	7	72.00			25.00	Oil		9.00	22.00	16.00	48.00	5.00	
1155	6	70.00			21.00	Oil		8.00	16.00	16.00	25.00	8.00	
1156	5	60.00			20.00	Oil		8.00	21.00	16.00	30.00	8.00	
1157	6	80.00			22.00	Oil		9.00	24.00	20.00		18.00	
1158	6	50.00			22.00	Oil		7.00	16.00	16.00	13.00	8.00	
1159	8	68.00			26.00	Oil		9.00	14.00	15.00		5.00	
1160	5	60.00			16.00	Oil		7.00	14.00	16.00	18.00	5.00	
1161	6	65.00			17.00	Oil		6.00	12.00	16.00		5.00	
1162	8	80.00			23.00	Oil		8.50	16.00	18.00	60.00	4.00	
1163	6	50.00			22.00	Oil		8.00	17.00	17.00	30.00	12.00	
1164	7	75.00			23.00	Oil		9.00	17.00	15.00	40.00	5.00	
1165	8	96.00			31.00	Oil		8.00	18.00	16.00	24.00	4.00	
1166	8	84.00			27.00	Oil		9.00	28.00	20.00	40.00	5.00	
1167	8	84.00			21.00	Oil		9.00	20.00	20.00	70.00	7.00	
1168	7	84.00			26.00	Oil		9.50	32.00	18.00	50.00	5.00	
1169	5	48.00			17.00	Oil		7.50	16.00	20.00	20.00	15.00	
1170	7	68.00			22.00	Oil		8.00	13.50	18.00	42.00	8.00	
1171	5	112.75			32.25	Oil		8.75	26.00	16.00	20.00	7.00	
1172	5	120.00			28.00	Oil		7.00	16.00	20.00	30.00	20.00	
1173	6	192.00			42.75	Gas		16.70	28.00	20.00	45.00	40.00	
1174		240.00			38.00	Gas		17.00	25.00	25.00	100.00	15.00	
1175	7	240.00			40.00	Gas		19.35	25.00	20.00	35.00	75.00	
1176	6	168.00			38.50	Gas		19.15	15.00	15.00	60.00	10.00	
1177	8	240.00			40.75	Oil		7.00	15.00	20.00	60.00	10.00	
1178	7	240.00			43.75	Gas		21.00	18.00	25.00	60.00	15.00	
1179	6	172.00			38.50	Gas		14.60	15.00	20.00	45.00	28.00	
1180	O. H.				35.00	Gas		16.50	17.00	20.00	35.00	5.00	43.20
1181		108.00	Coal		19.20	Oil	24	2.80	45.00	20.00	42.00	20.00	.66
1182		120.00	Coal		20.00			3.00	30.00	45.00		70.00	1.50
1183	5	180.00	Coal		30.00	Oil	25	3.50	80.00	35.00	35.00	10.00	2.25
1184		120.00	Coal		25.00			5.00	75.00	40.00	10.00	200.00	50.00
1185	O. H.		Coal		25.00	Oil	30	4.50	75.00	35.00	40.00	45.00	55.00
1186		120.00	Coal		28.00	Oil	22	3.60	45.00	22.00	80.00	20.00	2.50
1187		120.00	Coal		24.00	Oil		2.75	35.00	18.00	25.00	5.00	1.50
1188	8	90.00			25.00	Oil		9.00	28.00	20.00	40.00	11.00	
1189	6	98.00			28.00	Oil		10.00	25.00	28.00	50.00	15.00	
1190	6	96.00			20.00	Oil		6.50	16.00	15.00	40.00	5.00	
1191	6	108.00			26.00	Oil		7.00	30.00	20.00	25.00	14.00	
1192	7	120.00			27.00	Oil		9.00	20.00	20.00	50.00	12.00	
1193	7	126.00			29.00	Oil		7.70	25.00	20.00	80.00	15.00	
1194	5	60.00			22.00	Oil		8.00	19.00	20.00	20.00	5.00	
1195	8	165.00			40.00	Oil		10.00	30.00	20.00	120.00	15.00	
1196	5	96.00			21.00	Oil		6.50	18.00	16.00	30.00	10.00	
1197	5	90.00			17.00	Oil		8.00	16.00	16.00	30.00	5.00	
1198	5	75.00			21.00	Oil		8.00	20.00	20.00	10.00	13.00	



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
		\$7.00		\$5.00	\$5.00	\$7.00				\$13.00	\$20.00	\$290.50	1127
	\$12.00	8.00			5.00	8.00		\$5.00	\$16.00	102.00	30.00	384.50	1128
				10.00	5.00	5.00			14.00		20.00	241.00	1129
		8.00	\$12.00	5.00	5.00	6.00				6.00	20.00	217.50	1130
				10.00	5.00	5.00			5.00		20.00	248.50	1131
				5.00	3.00	6.00			15.00	12.00	20.00	277.00	1132
		7.00				5.00			15.00		18.00	199.00	1133
			12.00	5.00	5.00	5.00				5.00	20.00	252.00	1134
\$19.50		7.00		5.00	5.00	6.00			14.50	36.00	25.00	275.10	1135
		8.00	18.00		5.00	7.00		4.00	14.80		20.00	290.18	1136
			8.00			4.00			13.00	4.00	15.00	203.50	1137
	13.50	7.00		5.00	5.00	6.00				8.00	28.00	285.00	1138
		7.00			5.00	7.00			13.50	13.00	22.00	279.50	1139
		7.00		5.00		5.00			13.75	5.00	23.00	221.00	1140
	18.50	8.00		5.00	3.00	5.00			15.60		35.00	234.10	1141
	60.00	6.00		4.00	12.00	7.80	\$23.00	10.00	15.60	75.00	32.80	557.20	1142
	39.60	6.00		10.00	3.00	7.50	45.00			103.00	254.80	910.40	1143
	52.00	6.00	45.00	39.00	5.00	5.20	37.00		10.40	66.00	70.95	754.05	1144
		6.00	12.00		5.00	6.25	20.50		15.60	50.00	22.80	382.40	1145
		8.00	12.00	5.00	6.00	6.00			15.00		82.00	484.70	1146
		8.00	12.00	5.00		5.00			17.00	5.00	40.00	327.00	1147
	12.00	10.00	25.00	12.00	5.00	13.00			18.00	5.00	55.00	341.50	1148
	36.00	8.00	16.00	10.00	5.00	6.00				25.00	35.00	587.50	1149
		10.00	12.00	3.00		4.00			13.50	6.00	20.00	274.50	1150
14.50		8.00	15.00	14.06	10.00	8.00				70.00	40.00	395.60	1151
	31.70	8.00	12.00	5.00		4.00				20.00	38.00	435.95	1152
	17.50	8.00	25.00		5.00	5.00			18.00	40.00	35.00	508.75	1153
				5.00		6.00			14.00	10.00	24.00	256.00	1154
	18.00		12.00	6.00		7.00				8.00	20.00	235.00	1155
				5.00		5.00				21.00	23.00	217.00	1156
					5.00	10.00		8.00	14.50	10.00	15.00	235.50	1157
	12.80				5.00	5.00				2.00	20.00	176.80	1158
	12.00			8.00	5.00	5.00			13.50		18.00	198.50	1159
				4.00		4.00		2.00	12.00	5.00	20.00	183.00	1160
				8.00		5.00		3.00	12.00	4.00	34.00	187.00	1161
	12.50		12.00		5.00	7.00			14.00	3.00	20.00	283.00	1162
	18.50		12.00	5.00		8.00				10.00	25.00	234.50	1163
	18.50		12.00	7.00	4.00	8.00			15.50	12.00	28.00	289.00	1164
	18.00			5.00	5.00	15.00			15.00	4.00	20.00	279.00	1165
15.00	12.50		12.00	8.00	5.00	10.00		5.00	13.75	8.00	18.00	320.25	1166
	18.50	8.00		5.00		8.00		5.00	15.00	4.00	21.00	315.50	1167
				8.00		7.00			15.00	6.00	25.00	285.50	1168
	12.50			5.00		6.00			13.00	6.00	18.00	204.00	1169
				5.00	5.00	4.00			14.00	4.00	19.00	230.50	1170
		8.00	18.00		5.00	5.00			17.00	5.00	38.00	318.75	1171
	18.00	10.00	32.00	5.00	5.00	3.00			16.50	15.00	35.00	380.50	1172
	33.80	8.00	38.00	10.00	10.00	4.00	10.00			50.00	30.00	578.25	1173
	36.00	17.00	20.00	10.00	5.00	7.00			30.00	15.00	80.00	680.00	1174
	32.50	8.00		5.00		5.00			15.00	25.00	30.00	574.85	1175
		8.00			5.00	4.00		5.00		12.00	75.00	432.65	1176
	24.00	8.00	15.00	10.00	5.00	5.00			15.00	10.00	28.00	512.75	1177
	16.00	8.00	17.00		5.00	4.00				13.50	33.00	519.25	1178
	12.00	8.00	50.00	5.00	7.00	5.00				25.00	35.00	480.10	1179
16.00	10.00	8.00	30.00	12.00	5.00	5.00			16.50	10.00	305.60	589.80	1180
					5.00	7.50			20.00	20.00	5.00	365.16	1181
		6.00		5.00	10.00	10.00			25.00	20.00	5.00	395.50	1182
	15.00		15.00	12.00	10.00	25.00			30.00	100.00	25.00	624.75	1183
	13.00	6.00		12.00	10.00	22.00	140.00	45.00	52.00	200.00	20.00	1,045.00	1184
8.00				10.00	15.00	15.00	42.00	265.00		10.00	20.00	664.50	1185
		6.00		10.00	10.00	18.00	28.00	40.00	20.00	25.00	15.00	503.10	1186
	55.00			2.00		3.00	1.00			28.00	67.00	387.25	1187
	18.50		12.00	7.00	15.00	10.00				10.00	38.00	333.50	1188
		8.00	12.00	5.00	5.00	7.50			5.00	93.00	30.00	419.50	1189
						4.00				12.70	10.00	245.20	1190
		8.00	6.00	5.00		4.00			16.00	12.00	20.00	301.00	1191
	18.50	9.00			5.00	8.00		5.00	16.70	30.00	40.00	390.20	1192
	18.00		12.00			7.00			16.50	5.00	25.00	386.20	1193
		7.00			5.00	5.00			13.50	8.00	20.00	212.50	1194
		8.00	15.00		5.00	15.00			15.00	30.00	25.00	513.00	1195
	12.00	8.00	12.00		5.00	6.00			14.50	20.00	25.00	310.00	1196
		8.00			5.00	6.00		5.00		10.00	20.00	236.00	1197
			18.00		5.00	5.00			13.00	4.00	25.00	237.00	1198



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.		
1199	5	\$75.00			\$21.00	Oil		\$7.50	\$17.00	\$20.00	\$10.00	\$10.00	
1200	5	72.00			16.00	Oil		7.50	18.00	15.00	28.00	10.00	
1201	5	90.00			21.00	Oil		8.00	17.00	15.00		5.00	
1202	5	96.00			25.00	Oil		4.00	25.00	20.00	25.00	12.00	
1203	6	84.00			26.00	Oil		6.50	15.00	15.00	50.00	5.00	
1204	4	72.00			18.00	Oil		6.50	17.00	15.00		5.00	
1205	5	60.00			20.00	Oil		7.00	21.00	16.00		5.00	
1206	8	125.00			29.00	Oil		7.50	20.00	15.00	75.00	5.00	
1207	7	120.00			25.00	Oil		6.00	18.00	18.00	20.00	12.00	
1208	7	96.00			30.00	Oil		8.00	20.00	18.00	60.00	5.00	
1209	7	144.00			34.50	Oil		8.00	18.00	20.00	90.00	10.00	
1210	4	60.00			18.00	Oil		7.50	18.00	20.00	10.00	16.00	
1211	7	132.00			39.00	Oil		9.00	32.00	20.00	25.00	23.00	
1212	7	100.00			26.00	Oil		8.50	22.00	25.00	36.00	10.00	
1213	6	132.00			27.00	Oil		7.50	24.00	20.00	65.00	5.00	
1214	5	96.00			21.00	Oil		8.00	16.00	16.00	48.00	10.00	
1215	5	108.00			17.00	Oil		9.00	20.00	25.00	10.00	20.00	
1216	6	100.00			21.00	Oil		8.00	18.00	18.00	30.00	16.00	
1217	4	180.00			30.00	Gas		16.75	30.00	35.00			
1218	4	97.00			33.75	Oil		9.00	12.00	20.00	12.00	8.00	
1219	5	113.50			31.00	Oil		9.50	20.00	15.00	25.00	20.00	
1220	6	186.00			33.25	Gas		17.50	20.00	15.00	30.00	5.00	
1221	6	240.00			32.00	Gas		17.50	20.00	18.00	35.00	5.00	
1222	6	156.00	Coal	5	26.25	Oil		9.00	25.00	20.00	40.00	5.00	
1223	O. H.		Coal		35.00	Gas		15.00	25.00	25.00	20.00	5.00	\$15.00
1224	6	220.00			37.00	Gas		15.50	15.00	15.00	45.00	5.00	
1225	.....	200.00			38.50	Gas		15.00	50.00	30.00	50.00	10.00	
1226	6	222.00			37.00	Gas		14.70	20.00	20.00	25.00	15.00	
1227	4	92.00			20.00	Oil		7.50	15.00	10.00	10.00	5.00	
1228	5	115.50			28.00	Oil		8.50	12.00	15.00	60.00	10.00	
1229	5	172.00	Coal	3	15.00	Oil		3.50	15.00	15.00	10.00	10.00	
1230	5	123.00			32.25	Oil		8.00	10.00	20.00		5.00	
1231	7	216.00			36.50	Gas		14.50	10.00	10.00	35.00	5.00	
1232	5	125.00			27.00	Oil		7.25	20.00	10.00	30.00	12.00	
1233	5	130.00			30.00	Oil		7.50	20.00	20.00	25.00	5.00	
1234	7	300.00			37.00	Gas		16.50	20.00	20.00	100.00	10.00	
1235	5	123.00			27.00	Oil		9.00	15.00	15.00	50.00	5.00	
1236	O. H.				38.50	Gas		13.70	18.00	20.00	30.00	5.00	43.00
1237	7	264.00			33.00	Gas		16.50	20.00	16.00	80.00	10.00	
1238	5	120.00			34.25	Oil		9.50	16.00	20.00	35.00	5.00	
1239	6	166.00			33.50	Oil		7.50	25.00	35.00		10.00	
1240	O. H.				37.50	Oil		9.00	20.00	20.00		5.00	37.00
1241	.....	240.00	Coal	8	42.00	Gas		15.00	30.00	20.00	40.00	5.00	
1242	6	216.00			32.00	Gas		11.00	35.00	20.00	40.00	5.00	
1243	O. H.				35.50	Gas		17.15	30.00	20.00	100.00	15.00	43.00
1244	7	216.00			39.50	Gas		17.00	20.00	10.00	75.00	10.00	
1245	7	216.00			37.00	Gas		19.50	15.00	20.00	60.00	20.00	
1246	.....	216.00			43.00	Gas		18.00	30.00	25.00	30.00	10.00	
1247	6	240.00			37.50	Gas		17.10	28.00	20.00	50.00	10.00	
1248	.....	264.00			42.00	Gas		17.00	15.00	25.00	100.00	10.00	
1249	6	240.00			35.50	Gas		17.00	23.50	20.00		50.00	
1250	5	110.00			26.00	Oil		8.50	20.00	20.00	50.00	15.00	
1251	O. H.				38.00	Gas		17.25	20.00	20.00	20.00	13.00	45.50
1252	4	96.00			25.00	Oil		6.50	15.00	10.00	5.00	15.00	
1253	5	110.00			31.00	Oil		7.00	15.00	15.00	20.00	10.00	
1254	3	54.00	Coal	12	30.00	Oil	26	2.60	26.50	18.25	25.90	70.75	2.60
1255	3	54.00	Coal	12	30.00	Oil	26	2.60	42.20	38.50	42.25		2.83
1256	3	46.20	Coal	8	22.60	Oil	26	2.60	45.00	31.25		30.00	
1257	O. H.		Gas		25.00	Oil	26	2.60	32.60	17.00	75.00	25.00	10.00
1258	4	72.00	Gas		25.00	Oil	13	3.25	42.00	10.00	15.00	6.75	3.80
1259	5	84.00	Gas		25.00	Oil	20	3.00	51.00	25.00	20.00	15.00	2.40
1260	6	60.00			29.00	Oil		8.00	15.00	15.00	30.00	5.00	
1261	6	70.00			25.00	Oil		8.00	15.00	20.00	36.00	6.00	
1262	7	84.00			25.00			7.50	16.00	18.00	45.00	6.00	
1263	5	65.00			22.00	Oil		8.00	18.00	18.00	30.00	7.00	
1264	6	75.00			25.00	Oil		8.50	18.00	17.00	35.00	6.00	
1265	5	60.00			21.00	Oil		8.00	16.00	16.00	12.00	10.00	
1266	6	55.00			23.00	Oil		7.00	12.00	16.00		8.00	
1267	5	60.00			21.00	Oil		7.00	21.00	18.00	30.00	12.00	
1268	8	90.00			30.00	Oil		9.00	20.00	12.00	60.00	8.00	
1269	5	75.00			22.00	Oil		7.00	16.00	16.00		7.00	
1270	5	80.00			20.00	Oil		7.80	22.00	20.00	16.00	8.00	

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
			\$12.00	\$5.00	\$5.00	\$7.00			\$14.50	\$17.00	\$20.00	\$241.00	1199
			12.00	10.00		6.00			13.50	12.00	20.00	240.00	1200
					5.00	4.00			17.00		20.00	200.00	1201
					5.00	4.00		\$5.00		32.00	20.00	273.00	1202
						4.00			13.75	7.00	20.00	246.25	1203
		\$8.00				3.00			13.70	5.00	20.00	183.20	1204
		7.00		5.00		4.00					20.00	165.00	1205
	\$18.00	9.00		5.00	5.00	7.00			15.00	16.00	25.00	376.50	1206
			6.00	5.00	5.00	7.00		5.00	12.00	6.00	20.00	280.00	1207
		7.00		5.00	5.00	7.00			13.50	28.00	20.00	322.50	1208
			12.00	5.00		5.00			15.00	13.00	25.00	399.50	1209
	12.00			5.00	5.00	6.00			15.00	8.00	20.00	220.50	1210
	18.00	6.00	12.00	10.00		12.00		5.00	16.75	30.00	40.00	432.75	1211
			12.00	5.00	10.00	6.00		5.00	15.00	16.00	22.00	318.50	1212
		8.00		5.00	5.00	6.00				16.00	30.00	350.50	1213
			8.00	5.00		6.00		5.00		36.00	20.00	295.00	1214
			12.00		4.00	5.00			16.50	12.00	30.00	288.50	1215
			13.00	5.00	5.00	4.00			13.00	38.00	20.00	309.00	1216
		8.00		10.00	5.00	6.00				80.00	20.00	420.75	1217
	32.50	8.00	17.50	5.00	3.00		\$5.00		17.00		28.00	307.75	1218
	22.00	8.00	24.00	10.00	5.00	4.00	10.00		14.00	36.00	35.00	402.00	1219
		8.00	28.00	5.00		4.00				10.00	35.00	396.75	1220
		8.00	26.00	5.00	5.00	5.00			15.00	5.00	55.00	491.50	1221
		8.00		5.00	5.00	5.00	3.00				15.00	317.25	1222
\$16.50		9.00	20.00	18.00	5.00	5.00			16.50	10.00	293.60	533.60	1223
		8.00	15.00	10.00	10.00	5.00			15.00	13.00	40.00	468.50	1224
		11.00	29.00			5.00	5.00		20.00	25.00	30.00	518.50	1225
		8.00	12.00		5.00	5.00			12.50	25.00	20.00	441.20	1226
		8.00		5.00	5.00	4.00				8.00	25.00	214.50	1227
		8.00	24.00			5.00			14.00	6.00	80.00	386.00	1228
	12.00	8.00	15.00	5.00		5.00					20.00	305.50	1229
		8.00				3.00			10.00	58.00	30.00	307.25	1230
		8.00				2.00			15.00	10.00	20.00	382.00	1231
		8.00	12.00	5.00		6.00			15.00	15.00	20.00	312.25	1232
		8.00	24.00	5.00		6.00			15.00	66.00	25.00	386.50	1233
	25.00	16.00	24.00	10.00	5.00	6.00			24.50	16.00	95.00	726.00	1234
		8.00	24.00	5.00		4.00			13.75	4.00	30.00	332.75	1235
17.60		8.00	30.00	10.00	5.00	4.00				5.00	307.60	555.40	1236
	20.00	10.00	16.00	10.00	6.00	10.00			17.00	40.00	105.00	673.50	1237
		8.00	20.00	17.00	7.00	4.00			14.50	12.00	35.00	357.25	1238
		10.00	55.00	10.00		2.00			16.50	5.00	35.00	410.50	1239
23.50		10.00	23.00	15.00	10.00	5.00			20.00	10.00	55.00	280.00	1240
	25.00	10.00		10.00	5.00	5.00	5.00		15.00	10.00	15.00	492.00	1241
	28.00	8.00	10.00	18.00	5.00	5.00			16.00	10.00	10.00	477.00	1242
15.00		8.00	40.00	10.00	5.00	5.00			16.00	12.00	375.60	747.25	1243
	34.15	8.00		10.00		5.00			17.00	15.00	35.00	511.65	1244
	33.10	8.00	28.00	10.00	5.00	8.00			28.00	16.00	38.00	559.60	1245
	39.00	8.00	12.00	5.00	5.00	5.00	5.00			15.00	20.00	486.00	1246
	33.15	8.00	24.00		5.00	4.00	5.00			8.00	25.00	514.75	1247
	33.00	8.00	12.00	10.00		8.00			15.00	19.00	35.00	613.00	1248
		8.00		5.00	5.00	6.00	10.00		10.00		25.00	461.00	1249
		8.00		5.00	5.00	5.00				15.00	30.00	317.50	1250
18.00	28.00	10.00	24.00	10.00	8.00	6.00			15.00	13.00	30.00	335.75	1251
		8.00	24.00		5.00	4.00			13.00	10.00	25.00	201.50	1252
		8.00	12.00	5.00	5.00	4.00			15.00	10.00	25.00	292.00	1253
		6.00		2.00				18.00	13.00		18.20	287.80	1254
		5.25	3.00	2.00	5.00	17.10	.50	1.00	13.00	6.00	10.20	275.43	1255
				2.00	.50	4.00	8.00	10.00	10.40	6.00	15.50	234.05	1256
			3.00			7.85			10.80	128.00	102.00	488.95	1257
	35.40			14.00	2.00	27.20		2.00	6.00	5.00	8.50	277.90	1258
	10.80	6.00	8.50	4.00	10.00	7.45	45.00	8.00	15.00	25.00	44.00	404.15	1259
					6.00	7.00				17.00	15.00	207.00	1260
			12.00	5.00	4.00	8.00		5.00		8.00	20.00	242.00	1261
				6.00	5.00	8.00			17.00	7.00	20.00	264.50	1262
		7.00		6.00	5.00	8.00			14.50	13.00	17.00	238.50	1263
			12.00	5.00	5.00	8.00			14.00	25.00	18.00	271.50	1264
				7.00	6.00	6.00				5.00	22.00	183.00	1265
			12.00	5.00	5.00	6.00			15.00	6.00	15.00	185.00	1266
				5.00		7.00			14.00	24.00	20.00	239.00	1267
	13.50			8.00	5.00	7.00			24.00	24.00	25.00	311.50	1268
	18.00	7.00	12.00	5.00	4.00	5.00			10.50	5.00	30.00	245.50	1269
			12.00		6.00	5.00			13.50		18.00	227.30	1270



TABLE XIX.—BARRETTON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.	
1271	6	\$90.00			\$21.00	Oil		\$8.50	\$19.00	\$18.00		\$5.00
1272	6	90.00			26.00	Oil		9.00	25.00	20.00	\$25.00	8.00
1273	O. H.		Coal	7	36.75	Gas		16.68	36.00	20.00		12.60
1274	4	180.00	Coal	5	32.50	Oil	40	4.80	50.00	55.00	40.00	20.00
1275	O. H.				25.00	Oil		8.00	20.00	20.00		6.00
1276	6	75.00			25.00	Oil		9.00	17.00	16.00	40.00	8.00
1277	6	50.00			20.00	Oil		8.00	14.00	16.00	40.00	5.00
1278	6	72.00			21.00	Oil		7.00	16.00	20.00	40.00	6.00
1279	8	90.00			26.00	Oil		8.00	16.00	16.00	50.00	5.00
1280		240.00			30.00	Gas		25.00	25.00	30.00	30.00	5.00
1281	6	216.00			37.50	Gas		18.50	15.00	15.00	25.00	8.00
1282	O. H.				40.00	Gas		19.50	30.00	30.00	50.00	10.00
1283	4	120.00			30.00	Oil		7.50		15.00		43.25
1284	4	144.00	Coal		19.00	Oil	24	3.75	45.00	25.00	75.00	15.00
1285	O. H.		Coal		12.50	Oil	17	2.75	35.00	20.00	52.00	12.00
1286	O. H.		Coal		22.00	Oil	30	4.50	80.00	45.00	18.00	50.00
1287	4	120.00	Coal		17.50	Oil	20	3.00	36.00	15.00	13.00	12.00
1288		204.00			36.00	Gas		17.50	20.00	25.00	55.00	
1289	O. H.				44.75	Gas		17.50	10.00	20.00	65.00	40.00
1290	5	120.00			32.00	Oil		9.75	18.00	18.00	35.00	12.00
1291	5	112.00			26.00	Oil		7.00	13.00	16.00	30.00	
1292	5	60.00			21.00	Oil		8.00	17.00	17.00	13.00	10.00
1293	5	144.00			29.50	Oil		8.50	10.00	15.00	20.00	5.00
1294	7	96.00			22.00	Oil		9.00	18.00	16.00	40.00	4.00
1295	8	100.00			30.00	Oil		9.00	21.00	20.00	80.00	12.00
1296	8	108.00			23.00	Oil		8.00	18.00	16.00	40.00	5.00
1297	7	90.00			25.00	Oil		8.00	15.00	15.00	35.00	4.00
1298	7	96.00			23.00	Oil		8.00	24.00	16.00	13.00	12.00
1299	6	96.00			21.00	Oil		9.00	18.00	16.00	20.00	5.00
1300	O. H.				35.00	Gas		17.10	15.00	15.00	30.00	10.00
1301	4	58.00			21.00	Oil		4.90	15.00	20.00		5.00
1302	5	156.60			31.00	Oil		8.50	30.00	20.00	20.00	10.00
1303	6	166.00			30.50	Gas		18.75	20.00	20.00		10.00
1304	5	84.00	Gas		25.00	Oil	26	2.60	80.50	20.40	60.00	17.00
1305	6	166.00			33.50	Gas		17.50	20.00	15.00	20.00	15.00
1306	4	96.00			23.75	Oil		6.00	20.00	20.00	5.00	
1307	6	108.00			22.00	Oil		7.50	18.00	20.00	50.00	5.00
1308	7	110.00			27.00	Oil		9.00	26.00	20.00		12.00
1309	4	60.00			22.00	Oil		8.00	24.00	20.00		8.00
1310	8	132.00			26.00	Oil		7.80	15.00	20.00	80.00	5.00
1311	5	75.00			22.00	Oil		8.50	20.00	20.00		10.00
1312	6	216.00			31.00	Oil		9.00	15.00	15.00	60.00	5.00
1313	7	240.00			37.50	Gas		19.60	23.00	20.00	50.00	15.00
1314	5	136.00			32.75	Gas		12.60	20.00	20.00	20.00	6.00
1315		240.00			38.00	Gas		15.00	25.00	25.00	35.00	10.00
1316	4	99.00			28.00	Oil		9.50	16.00	18.00		12.00
1317		240.00			50.00	Oil		12.00	30.00	25.00	75.00	10.00
1318	6	192.00			41.75	Gas		16.25	25.00	10.00	50.00	20.00
1319	4	56.00			32.25	Oil		9.25	20.00	20.00	15.00	5.00
1320	6	216.00			36.50	Oil		7.50	25.00	10.00	50.00	10.60
1321	4	96.00			29.00	Oil		8.25	15.00	15.00		3.00
1322	3	48.00	Coal	9	22.50	Oil	26	3.12	10.75	7.65	15.00	6.00
1323	5	60.00			22.00	Oil		8.00	18.00	15.00		6.00
1324	8	96.00			29.00	Oil		9.00	15.00	15.00	60.00	5.00
1325	4	60.00	Gas		25.00	Oil	50	5.00	24.85	8.00	125.00	5.55
1326	7	120.00			27.00	Oil		9.50	22.00	16.00		9.00
1327	6	72.00			21.00	Oil		8.50	15.00	15.00	36.00	
1328	6	84.00			22.00	Oil		9.00	18.00	15.00	20.00	6.00
1329	6	120.00			26.00	Oil		9.80	25.00	16.00		7.00
1330	7	96.00			25.00	Oil		8.00	17.00	17.00		13.00
1331	5	72.00			21.00	Oil		7.00	15.00	10.00	40.00	15.00
1332	6	70.00			21.00	Oil		9.00	22.00	20.00		13.00
1333	6	80.00			26.00	Oil		8.00	24.00	18.00	48.00	
1334	5	160.00	Coal	10	65.00	Oil	60	6.00	50.60	20.00		5.00
1335	5	120.00			34.25	Gas		16.75	10.00	20.00	20.00	7.00
1336	6	50.00			21.00	Oil		7.00	20.00	12.00	38.00	8.00
1337	6	60.00			17.00	Oil		7.00	20.00	13.00	30.00	3.00
1338		60.00			20.00	Oil		7.00	16.00	16.00		10.00
1339	5	60.00			22.00	Oil		8.00	24.00	18.00		3.00
1340	3	75.00			17.75	Oil		5.00	20.00	20.00		10.00
1341	6	173.50			36.50	Oil		10.00	20.00	15.00	50.00	10.00
1342	6	216.00			37.50	Oil		7.00	28.00	30.00	30.00	8.50



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	Lab- or.	Other.										
		\$7.00	\$15.00	\$12.00	\$6.00	\$7.00					\$32.00	\$233.50	1271
				5.00	5.00	7.00					25.00	276.00	1272
\$18.00	\$38.80	8.00	38.00	30.16	10.00	11.50		\$5.00	\$15.00	\$4.00	355.60	816.09	1273
	52.00	6.00		5.00	9.00	10.40		65.00	10.40	35.00	97.20	672.80	1274
18.75	21.00	6.00	12.00	5.00	5.00	8.00		4.00	12.00		18.00	234.25	1275
					5.00	7.00			13.50	16.00	15.00	246.50	1276
				5.00	5.00	5.00		4.00	14.00	5.00	19.00	205.00	1277
	13.50			5.00	5.00	5.00		5.00	14.00		30.00	259.50	1278
					6.00	15.00				8.00	18.00	258.00	1279
	13.00	8.00	12.00	10.00	5.00	7.00	\$5.00		15.00		20.00	480.00	1280
		8.00	12.00			3.00			15.00	10.00	20.00	403.00	1281
17.50	33.00	8.00	16.00	5.00		6.00	5.00		17.00		30.00	360.25	1282
		8.00				2.00			14.00		25.00	221.50	1283
		6.00	6.50	52.00	3.00	14.00	20.00	15.00		18.00	13.00	489.25	1284
	5.25	6.00		2.00		5.75	3.00	45.00	10.00	6.00	15.00	247.25	1285
8.00		6.00		12.00	8.00	11.00	100.00	84.00		28.00	90.00	606.50	1286
	10.40	6.00	6.25	4.00	1.00	5.50		3.00	10.00	30.00	12.00	368.15	1287
	28.00	8.00	10.00	10.00		5.00			15.00		100.00	533.50	1288
18.00	13.50	8.00	30.00	10.00	5.00	6.00	5.00		17.50	15.00	328.60	696.85	1289
		8.00	12.00	5.00		5.00			24.50		85.00	384.25	1290
		8.00		6.00		6.00		8.00	14.50	6.00	30.00	282.50	1291
			12.00		5.00	7.00			13.50	4.00	18.00	205.50	1292
		8.00	12.00	15.00	5.00	2.00			13.50	8.00	25.00	320.50	1293
				5.00	5.00	6.00			14.75	4.00	32.00	271.75	1294
		7.00	18.00			8.00		6.00	14.50	10.00	25.00	360.50	1295
			12.00	10.00	5.00	5.00			14.00	10.00	28.00	302.00	1296
		16.00		5.00		5.00		8.00		6.00	28.00	258.00	1297
			12.00		5.00	6.00		5.00	13.50	6.00	22.00	277.50	1298
17.60	48.00	7.00	12.00		5.00	5.00		5.00	12.50		18.00	249.50	1299
		10.00	38.00		10.00	6.00		5.00	5.00	15.00	310.00	629.70	1300
		8.00	18.00	5.00		4.00		12.00	12.50		25.00	206.40	1301
		8.00	20.00			6.00		10.00	12.50	8.00	35.00	375.60	1302
		3.00	28.00			5.00		6.00	16.00	10.00	30.00	368.25	1303
	36.00	12.00		20.00	1.50	4.50	25.00	15.00	13.00	20.00	29.50	470.05	1304
	32.00	8.00	20.00		7.00	4.00			16.50	16.00	35.00	430.50	1305
		8.00				2.00				5.00	20.00	205.75	1306
		8.00			5.00	6.00				4.00	20.00	273.60	1307
	18.00		18.00	10.00	5.00	8.00		4.00	15.00	10.00	24.00	298.00	1308
		8.00	12.00	5.00	5.00	8.00		7.00	16.00		20.00	233.00	1309
		3.00	13.00	5.00	5.00	7.00		3.00		20.00	30.00	376.80	1310
	12.80			5.00	5.00	6.00			20.00	10.00	25.00	239.30	1311
	12.00	8.00	24.00	5.00		4.00				5.00	25.00	434.00	1312
		10.00	15.00	2.00		5.00	12.00		17.00		25.00	491.10	1313
	30.00	8.00	26.00	5.00	6.00	5.00			13.50	20.00	45.00	405.85	1314
	23.70	8.00	12.00	20.00		3.00				14.00	40.00	408.70	1315
		8.00	12.00	10.00	5.00	3.00			17.50		25.00	263.00	1316
		10.00	17.00	10.00		5.00	5.00		25.00	25.00	20.00	559.00	1317
		10.00	20.00	10.00	15.00	5.00			17.00	15.00	30.00	477.00	1318
		8.00	23.00			5.00		10.00	13.00		40.00	256.50	1319
		8.00	24.75			3.00			15.00	60.00	465.75	1320	
	12.00	8.00	22.00			4.00		10.00	13.50	13.00	30.00	278.75	1321
						2.40		24.00	6.00	3.25	10.50	159.17	1322
				6.00	4.00	8.00		10.00	13.50	4.00	15.00	189.50	1323
			12.00		6.00	10.00		8.00	16.00	10.00	18.00	309.00	1324
			3.00	8.00	.75	8.20	8.00		10.40	15.00	74.10	383.25	1325
	18.00	7.00	9.00	12.00	6.00	8.00		5.00		4.00	24.00	296.50	1326
				5.00		3.00		8.00	14.50		28.00	226.00	1327
		7.00		5.00	3.00	5.00			14.00		25.00	233.00	1328
				6.00	5.00	6.00			16.50		18.00	255.30	1329
		7.00	13.50	5.00	5.00	6.00		7.00	13.50	4.00	25.00	262.60	1330
		12.00		5.00	5.00	3.00		5.00		35.00	25.00	270.00	1331
	13.50	8.00			5.00	6.00		5.00	14.00		20.00	226.50	1332
		7.00	14.00	5.00		5.00			14.50	5.00	23.00	277.50	1333
		1.50	1.50	18.00	1.50	6.25	25.00			25.00	72.50	477.50	1334
		8.00		14.00	5.00	3.00			15.50	15.00	35.00	323.50	1335
				8.00	5.00	5.00		5.00		30.00	21.00	230.00	1336
				5.00	5.00	7.00		3.00	14.00	5.00	18.00	207.00	1337
				5.00	5.00	5.00		5.00	15.00		25.00	189.00	1338
			12.00	5.00		7.00		5.00	14.00		18.00	196.00	1339
		8.00		15.00		2.00				15.00	20.00	207.75	1340
		8.00	25.00	15.00	10.00	4.00			17.00	25.00	45.00	464.00	1341
	33.50	8.00	27.00	5.00		5.00	5.00		14.50	10.00	30.00	495.00	1342

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- got num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Child- ren.
1343		\$244.00	Coal		\$27.00	Oil	30	\$4.50	\$75.00	\$30.00	\$10.00	\$15.00	\$6.50
1344	O. H.				20.00	Oil		4.50	55.00	32.00	28.00	140.00	75.00
1345	4	204.00	Gas		31.75	Oil	25	3.60	48.00	25.00	60.00	10.00	2.75
1346	2	96.00	Coal		18.75	Oil	10	1.50	85.00	22.00	12.00	40.00	3.00
1347		250.00	Coal		21.00			18.00	35.00	20.00	110.00	25.00	20.00
1348	O. H.		Coal		20.00	Oil	40	6.00	75.50	14.00	75.00	4.00	85.00
1349	6	65.00			22.50	Oil		8.00	22.00	16.00		5.00	
1350	5	60.00			21.00	Oil		8.00	18.00	20.00		16.00	
1351	6	96.00			22.00	Oil		7.00	20.00	16.00		12.00	
1352	7	144.00			29.00	Oil		9.60	18.00	20.00	65.00	12.00	
1353	6	120.00			28.00	Oil		9.00	25.00	22.00		13.00	
1354	5	96.00			25.00	Oil		8.50	18.00	18.00		13.00	
1355	4	132.00	Coal	3	25.75	Oil	25	3.00	25.00	10.00	5.00	5.00	.25
1356		144.00			25.00	Oil		7.50	20.00	20.00	20.00	5.00	
1357		192.00			52.00	Gas		17.50	28.00	28.00	90.00	5.00	
1358	7	216.00			42.75	Gas		17.50	20.00	20.00	100.00	115.00	
1359	4	90.00			21.00	Oil		6.00	15.00	15.00		10.00	
1360	5	115.00			26.00	Oil		9.00	15.00	10.00	15.00	5.00	
1361	5	116.50			30.00	Oil		8.00	20.00	20.00		8.00	
1362	O. H.				38.00			17.60	20.00	15.00		12.00	46.50
1363		210.00			52.50			12.00	29.00	30.00	62.50	10.00	
1364	O. H.				43.75	Oil		10.00	25.00	25.00		18.00	49.50
1365		192.00	Coal	7	36.25			12.75	20.00	25.00			
1366	5	168.00			37.00	Oil		9.50	16.00	15.00	35.00	14.00	
1367	6	126.50			31.00	Oil		9.00	20.00	20.60	15.00	11.00	
1368	6	96.00	Coal	24	60.00	Oil	52	7.80	33.75	10.00	276.00	154.00	2.50
1369	3	48.00	Coal	11	27.50	Oil	26	2.60	33.00	53.85	25.00	1.50	2.00
1370	O. H.		Gas		25.00	Oil	30	4.50	65.00	9.00	60.00	3.00	11.00
1371	3	48.00	Coal	12	30.00	Oil	20	3.12	59.00	10.00		6.00	4.40
1372	4	72.00	Coal	16	40.00	Oil	50	5.00	20.25	34.00	325.00	33.00	2.00
1373	O. H.		Coal	19	47.50	Oil	26	3.90	55.25	63.50	150.00	86.40	6.70
1374	O. H.		Gas		27.50	Oil	40	6.00	43.00	32.00	319.00	35.00	16.00
1375	O. H.		Coal	18	45.00	Oil	26	3.99	73.00	40.00	130.00	46.50	14.00
1376	O. H.		Gas		25.00	Oil	26	3.12	40.00	8.00	83.00	11.00	6.00
1377	6	84.00	Coal	19	47.50	Oil	40	4.00	49.50	15.00	223.00	20.75	2.50
1378	3	48.00	Coal	12	30.00	Oil	26	3.12	12.00	32.50		4.00	2.50
1379	3	54.00	Coal	12	30.00	Oil	13	2.34	60.00	48.00	60.00	12.00	2.50
1380	4	60.00	Coal	12	30.00	Oil	30	3.00	20.00	18.00	75.00	3.00	
1381	7	84.00	Coal	18	45.00	Oil	20	3.12	62.80	19.00	142.50	2.00	1.10
1382	O. H.		Coal	10	25.00	Oil	30	3.00	50.00	20.75		6.50	11.00
1383	5	60.00			25.00	Oil		8.00	15.00	12.00	20.00	6.00	
1384	7	70.00			21.00	Oil		8.50	16.00	17.00	40.00	3.00	
1385	5	66.00			25.00	Oil		8.00	21.00	17.00	30.00	5.00	
1386	4	48.00			17.00	Oil		6.00	15.00	15.00	35.00	5.00	
1387	4	96.00			35.00	Oil		7.50	10.00	10.00	20.00	8.00	
1388	O. H.				17.50	Oil	17	2.55	28.00	16.00	35.00	10.00	25.00
1389	4	96.00			39.50	Oil		7.00	10.00	10.00	15.00	5.00	
1390	4	68.00			21.00	Oil		5.00	15.00	10.00	20.00	13.00	
1391	O. H.		Coal		25.00	Gas		20.00	65.00	60.00	50.00	25.00	60.00
1392	7	120.00			26.00	Oil		9.00	25.00	20.00	20.00	10.00	
1393	4	73.00			18.60	Oil		5.00	10.00	10.00		5.00	
1394	6	192.00	Coal	7	50.00	Oil	26	3.12	115.00	150.00	30.00	25.00	.50
1395	O. H.		Coal	7	47.00	Gas		15.80	25.00			12.00	28.00
1396	4	120.00	Coal	5	30.00	Oil	12	1.44	75.00	40.00		2.00	.50
1397	O. H.		Coal		28.00	Oil	30	4.50	40.00	22.00	80.00	20.00	52.00
1398	4	72.00	Coal	10	25.00	Oil	26	2.60	56.00	16.75	26.00	37.00	
1399	5	75.00	Coal	12	30.00	Oil	35	3.50	15.75	23.50	142.25	16.25	
1400	4	60.00	Coal	7	19.25	Oil	13	1.30	10.50	2.00	15.00		
1401	3	54.00	Coal	10	25.00	Oil	30	3.00	15.00	12.65	30.00	10.85	2.50
1402	3	54.00	Coal	9	22.50	Oil	26	2.60	39.35	26.90	15.00	10.00	2.00
1403	4	60.00	Gas		25.00	Oil	26	3.12	48.20	22.25	50.00	2.00	2.50
1404	4	126.00	Coal		24.00	Oil	30	6.00	25.00	10.00	20.00	3.00	1.00
1405	4	126.00	Coal		14.00	Oil	20	4.00	40.00	40.00		15.00	1.00
1406	4	126.00	Coal		20.00	Oil	24	4.80	30.00	25.00	30.00	27.00	1.00
1407	4	120.00	Coal		15.00	Oil	24	4.80	40.00	25.00	75.00	58.00	
1408	5	144.00	Wood		36.00	Oil	60	12.00	25.00	20.00	125.00	15.00	
1409	3	126.00	Coal		10.00	Oil	24	4.80	25.00	15.00	70.00	2.00	1.00
1410	2	60.00	Coal		18.00	Oil	16	3.20	25.00	18.00		33.00	1.00
1411	2	60.00	Wood		12.00	Oil	20	4.00	18.00	6.00	30.00	.50	1.00
1412	2	60.00	Coal		10.00	Oil	21	4.00	30.00	12.00	20.00	2.00	1.00
1413	2	60.00	Coal		14.00	Oil	24	4.80	12.00	6.00	60.00	3.00	1.00
1414	2	63.00	Coal	4	18.00	Oil	24	4.80	35.00	20.00		40.00	1.00



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
		\$6.00	\$8.00	\$15.00	\$6.00	\$12.50	\$10.00			\$15.00	\$120.00	\$634.50	1343
\$4.00		6.00			5.00	16.00	13.00	\$125.00		45.00	12.00	592.50	1344
			9.00	10.00	4.00	18.00	5.00	20.00	\$20.00	30.00	88.00	589.10	1345
		6.00	18.00	2.00		10.50	5.00			12.00	65.00	396.75	1346
		6.00	7.50	20.00	5.00	20.00	10.00	90.00		12.00	5.00	674.50	1347
5.00			20.00	8.00	3.00	12.80	18.00				74.00	420.30	1348
			5.00	3.00	2.00	6.00		5.00	13.00	6.00	14.00	192.50	1349
			9.00	5.00	5.00	5.00		4.00	13.75		26.00	210.75	1350
			7.00	5.00		6.00		4.00	14.00	8.00	21.00	238.00	1351
		8.00		10.00	5.00	6.00			13.00	16.00	42.00	397.00	1352
\$18.50	8.00	3.00		5.00	5.00	8.00		5.00	16.70		25.00	308.20	1353
12.00	9.00			6.00		6.00		4.00	17.50	15.00	20.00	268.00	1354
		1.50		5.20					6.50	10.00	15.00	244.20	1355
	28.00	8.00		15.00	10.00	3.00	5.00			12.00	10.00	332.50	1356
	33.80	8.00	15.00	16.00		5.00			17.50	10.00	30.00	547.80	1357
	38.50	3.00	25.00	15.00	10.00	5.00			20.00	12.00	50.00	714.75	1358
		8.00	24.00			4.00			25.00	5.00	20.00	249.00	1359
		8.00		5.00		4.00		10.00		6.00	25.00	253.00	1360
18.15	18.00	8.00	28.00	5.00	11.00	6.00			18.00	30.00	40.00	318.50	1361
	60.50	15.00	12.00	18.00	5.00	5.00	10.00		21.00	14.00	30.00	308.25	1362
17.00	29.50	8.00	12.00		5.00	2.00			24.00	10.00	55.00	620.50	1363
	32.00	10.00		12.00	2.00	3.50		10.00	30.00	15.00	25.00	314.75	1364
		10.00	38.00	10.00		6.00			17.00		10.00	382.50	1365
	33.00	8.00	24.00	10.00		6.00			17.00	30.00	50.00	455.50	1366
				15.00		8.00			14.50		30.00	368.00	1367
					12.00				6.00	30.00	93.40	809.45	1368
					1.50				4.16	7.50	16.60	223.21	1369
6.50				20.00	2.00				7.80	50.00	17.00	280.80	1370
				2.00	3.00			13.00	8.32	20.00	11.00	217.84	1371
				15.00	6.00	7.00	25.00	26.00	15.60	5.00	156.00	786.85	1372
7.50	22.00	12.00	6.00	10.00	10.00	10.00	5.00	48.00	18.00	50.00	40.20	651.95	1373
6.00				35.00	45.00	17.50	122.00	24.00	58.40	15.00	317.50	1,118.90	1374
3.25				30.00	2.00	10.50	10.00	36.50	18.00		59.00	521.65	1375
				5.00	3.00			15.00	5.00	35.00	23.20	261.32	1376
		6.00		5.00	5.00	5.50	22.00	75.00	6.64	20.00	122.90	714.20	1377
				1.00				15.00	8.45	2.00	12.50	171.07	1378
				25.00	3.50	10.00	5.00		9.36	20.00	19.70	361.40	1379
	20.00			12.00	1.00	7.00	4.00	5.00	13.00	20.00	75.20	366.20	1380
			12.00	36.00	5.00	7.00	3.00	5.60	3.84	10.00	131.20	572.56	1381
7.50				10.00					8.52	100.00	31.00	282.27	1382
				5.00		5.00			13.00	4.00	18.00	191.00	1383
				7.00	3.00	5.00		6.00	10.00	5.00	17.00	228.50	1384
				5.00	4.00	6.00		8.00	14.00	3.00	15.00	227.00	1385
		6.00		10.00		4.00				10.00	18.00	189.00	1386
		8.00		5.00		2.00				10.00	25.00	236.50	1387
5.00		6.00		10.00		5.00	3.00			20.00	110.00	293.05	1388
		8.00				1.00				12.00	40.00	243.50	1389
		8.00	24.00			2.00			15.00	17.00	20.00	238.00	1390
6.00	25.00	7.50		18.00	8.00	28.00	70.00	140.00	65.00	52.00	50.00	774.50	1391
				10.00	5.00	7.00			4.00	16.00	36.00	308.00	1392
	5.00	8.00	12.00			4.00			12.00	5.00	20.00	187.60	1393
	36.00	6.00		40.00	5.00	3.00	30.00			50.00	89.80	825.42	1394
			10.00	13.00	5.00	8.75	20.00			15.00	13.80	213.35	1395
		6.00	2.00	20.00	3.00		5.00			5.00	17.50	327.44	1396
6.00	8.00	6.00		10.00	5.00	12.00	52.00	16.50	10.00	22.00	10.00	404.00	1397
	15.00		6.00	12.00	2.00	5.00	.90			13.00	13.00	302.25	1398
				1.00	2.00	1.00			13.00	2.00	12.00	337.25	1399
				1.75					15.00	4.00	20.00	172.00	1400
	7.20	4.80	6.00	4.00	3.50	5.00			6.50	5.00	13.75	208.75	1401
	5.20		6.00	6.00	5.00	3.90	3.00	7.50		15.00	6.10	230.05	1402
			6.00	10.00	3.00	2.50		16.00	6.00	1.00	12.20	269.77	1403
			18.00	4.00	3.00	1.00	2.00	6.00	25.00	25.00	27.00	326.00	1404
				5.00	2.00		3.00		10.00	40.00	27.00	327.00	1405
				4.00	1.00		12.00	11.00	13.60	12.00	37.00	354.40	1406
	7.80		7.80	1.00	.50	5.00	1.00			13.00	24.00	403.90	1407
				3.00	2.00		3.00		6.00	40.00	35.00	466.00	1408
							1.00	13.00	4.00	6.00	10.00	287.80	1409
							2.00	20.00		4.00	27.00	211.20	1410
								2.00	11.00	18.00	6.00	168.50	1411
					.50		2.00	14.00	6.00	40.00	14.00	215.50	1412
				5.00	2.00		.50	4.00	12.00	20.00	18.00	222.30	1413
		3.00	3.00	1.00			1.00	2.00	6.00	6.00	35.00	248.80	1414



TABLE XIX.—~~BAR IRON~~ : COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Chil- dren.
1415	1	\$60.00	Coal		\$8.00	Oil	12	\$2.40	\$30.00	\$20.00		\$28.00	\$1.00
1416	2	42.00	Coal		20.00	Oil	13	2.60	40.00	30.00		4.00	1.00
1417	2	66.00	Coal		14.00	Oil	22	4.40	40.00	30.00		127.00	1.00
1418	2	60.00	Wood		15.00	Oil	14	2.80	20.00	12.00		5.00	1.00
1419	2	72.00	Coal		12.00	Oil	24	4.80	40.00	18.00	\$50.00	64.00	1.00
1420	4	144.00	Coal		12.00	Oil	40	8.00	40.00	20.00	100.00	37.00	1.50
1421	4	72.00	Wood		22.00	Oil	40	4.00	30.00	7.00	60.00	2.00	1.00
1422	3	60.00	Wood		14.00	Oil	12	1.20	20.00	12.00			1.60
1423	4	108.00	Coal	5	30.00	Oil	52	5.20	7.00	15.00	50.00	60.00	1.30
1424	4	144.00			36.00	Oil	26	2.60	25.00	15.00	185.00	2.50	
1425	4	60.00	Wood		27.00	Oil	20	2.00	15.00	40.00	45.00	20.00	
1426	3	72.00	Wood		32.00	Oil	25	2.50	20.00	5.00	50.00		1.50
1427	O. H.				45.00	Oil	25	2.50	30.00	13.00	20.00		12.00
1428	O. H.		Wood		52.50	Oil	60	6.00	60.00	75.00	75.00	50.00	37.50
1429	O. H.		Wood		50.00	Oil	30	3.00	25.00	20.00	20.00	10.00	22.00
1430	O. H.		Coal	6	40.00	Oil	30	3.60	50.00	30.00	100.00	10.00	50.00
1431	5	144.00			70.50	Oil	50	5.00	40.00	15.00	107.00		1.50
1432	3	72.00	Coal		29.00	Oil	50	5.00	45.00	40.00		100.00	1.50
1433	6	133.50			40.00	Oil	50	7.50	10.00	10.00	45.00	9.00	1.69
1434	O. H.		Wood		72.00	Oil	52	5.20	40.00	25.00	84.00	30.00	30.00
1435	O. H.				27.00	Oil	20	2.00	15.00	15.00	15.00	5.00	15.00
1436	O. H.		Coal	6	40.00	Oil	50	5.00	25.00	20.00	105.00		26.00
1437	3	60.00	Wood		35.00	Oil	50	5.00	24.00	10.00	80.00	24.00	
1438	O. H.				45.00	Oil	40	4.00	30.00	30.00	100.00	20.00	32.00
1439	4	96.00	Wood		36.00	Oil	24	2.40	40.00	35.00	20.00	20.00	
1440	5	123.00	Coal		40.00	Oil	18	1.80	30.00	3.00	20.00	2.00	16.00
1441	3	84.00	Wood		36.00	Oil	26	2.60	60.00	15.00	30.00	8.00	
1442	4	96.00			36.50	Oil	26	2.60	25.00	18.00	25.00	15.00	1.50
1443	O. H.		Coal		30.00	Oil	25	3.75	50.00	25.00	15.00	100.00	16.00
1444		48.00	Coal		21.00	Oil	25	2.25	32.00	15.00	4.00	14.00	
1445	3	48.00	Wood		32.00	Oil	30	3.00	13.70	5.00	28.88	20.00	
1446	3	72.00			26.00	Oil	18	1.80	15.00	20.00	20.00	16.00	1.58
1447	4	96.00	Wood		27.50	Oil	26	2.40	65.00	30.00		10.00	1.25
1448	5	180.00			47.20	Oil	52	9.36	60.00	50.00	18.00	12.00	3.12
1449	O. H.		Wood		32.00	Oil	30	3.00	20.00	35.00		15.00	20.00
1450	5	60.00	Wood		40.00	Oil	25	4.00	20.00	3.00	75.00	1.00	
1451	4	108.00			39.00	Oil	52	5.20	20.00	12.00	72.00	15.00	.50
1452	4	96.00			38.50	Oil	26	2.60	6.50	4.00	50.00	1.00	1.50
1453	5	132.00	Coal	6	30.00	Oil	20	2.40	55.00	10.00	25.00	6.00	20.00
1454	6	120.00	Wood		45.00	Oil	50	5.00	15.00	20.00	50.00	3.00	
1455	O. H.				46.50	Oil	30	3.00	10.00	5.00	100.00	3.50	14.09
1456	6	60.00			28.00	Gas		8.40	25.00	20.00	40.00	17.00	3.00
1457	5	96.00			29.60	Oil	24	2.40	40.00	50.00	175.00		7.80
1458	7	132.00			40.00	Gas		24.00	75.00	60.00	25.00		
1459	O. H.				32.00	Oil	36	3.60	20.00	15.00	130.00		28.00
1460	6	160.00			40.00	Oil	40	4.00	75.00	50.00	15.00		7.00
1461	O. H.				20.00	Oil	12	1.20	10.00	5.00	15.00		10.00
1462		38.60			5.79			2.32	23.16	11.58	48.25		
1463	4	46.32			9.65			2.90	28.95	19.30	28.95		
1464	4	38.60	Coal		34.74		13	2.85	48.25		96.50		3.47
1465	4	40.92	Coal		25.09	Oil		5.02	28.95	19.30	88.85	3.86	
1466	4	48.25			10.81			5.02	38.60	19.30	38.60		
1467	6	48.25			15.05			5.02	48.25	13.51	67.55		7.72
1468		38.21			15.05			5.02	19.30	9.65	42.42	1.93	
1469		38.21			6.18			5.02	28.95	19.30	38.60		
1470	4	34.74	Coal		11.58	Oil		6.95	15.44	11.58	15.44	23.55	5.40
1471	2	25.48	Coal		11.58	Oil		3.86	23.16	7.72	28.95		
1472	2	19.30				Oil	39	6.02	11.58	11.58	10.72		
1473	3	23.16			13.90				38.60	19.30	7.72	1.93	
1474	2	23.16	Coal		10.04	Oil		3.55	23.16	9.65	3.86		1.00
1475	3	34.74	Coal		9.26	Oil	37	5.71	24.12	15.44	67.55	2.32	
1476	2	23.16	Coal		10.04	Oil		3.86	77.20	19.30	48.25	2.89	
1477	5	57.90	Coal		18.53	Oil	30	3.47	38.60	19.30	144.75	7.72	1.00
1478	3	28.95	Coal		11.58	Oil		2.01	48.25	19.30	9.65	1.93	
1479	4	38.60			17.37		36	4.17	19.30	15.44	96.50	1.93	
1480	2	16.21	Coal		15.05		26	4.01	18.33	7.72	50.18	9.65	
1481	8	86.85	Coal		14.47		95	11.00	17.37	15.44	53.07	3.86	7.72
1482	3	25.48	Coal		16.40	Oil	24	3.70	13.51	14.47	14.47		3.09
1483	6	48.25	Coal		11.58	Oil		4.34	19.30	14.47	57.90	4.82	
1484	2	23.16			12.54			3.86	11.58	5.79	48.25		
1485		57.90			11.58			5.79	28.95	11.58	38.60		26.05
1486	3	25.48							38.60	19.30	7.72		

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
				\$2.00	\$1.00		\$2.00	\$13.00	\$6.00	\$25.00	\$26.00	\$224.40	1415
				3.50	2.00	\$1.00	4.00	30.00	25.00	2.00	10.00	217.10	1416
	\$4.50			4.00	1.00		2.00	40.00	12.00	3.00	19.00	367.90	1417
0.25							2.00	25.00	19.00	5.00	6.00	172.80	1418
			\$6.00		2.00		3.00	20.00	14.00	7.00	15.00	329.05	1419
	3.00		6.00	1.00	1.00		2.00	16.00	10.00	12.00	30.00	443.50	1420
				1.00				6.00	22.00	25.00	25.00	277.00	1421
	15.00							6.00	11.00	18.00	6.00	149.20	1422
	30.00		20.00	10.00	10.00			7.20	1.00	74.50	414.20	1423	
				3.00	3.00	.15	15.60	26.00	13.00	16.00	61.10	577.35	1424
					1.50		26.00	27.50	7.20		21.60	292.80	1425
				3.00			10.00			7.00	25.00	228.00	1426
					2.00				5.60	25.00	58.60	213.10	1427
9.00				24.00	10.00	10.50	15.00		12.00	15.00	135.00	586.50	1428
8.00	5.20		6.50	8.00	2.50		5.00			30.00	19.60	234.80	1429
8.00				8.00	3.00	17.20	26.00		25.00	35.00	107.90	513.70	1430
	46.80			12.00	3.00	12.00	15.00		5.20	10.60	15.60	502.60	1431
				22.00	5.00	7.20	5.00		15.60	125.00	61.60	536.90	1432
				18.00	4.00	2.25	3.00	5.00	13.00	25.00	23.60	350.54	1433
				12.00	8.00	5.00	7.80	10.00	26.00	100.00	76.90	531.90	1434
6.00				2.50		6.00				25.00	18.00	151.50	1435
5.00	44.40			20.00	3.00	3.00	2.00		13.00		108.00	419.40	1436
				1.00	1.50					20.00	49.00	309.50	1437
	7.50			20.00	7.50	32.00	40.00		12.00	5.00	147.00	532.00	1438
	13.00			5.00	1.00	5.20			4.80	5.00	12.00	295.40	1439
7.00			5.00	5.00	2.00				13.00	61.00	33.40	362.20	1440
	10.40			7.80	6.00	13.20	7.00	52.00	15.60	58.00	36.50	442.10	1441
				3.00	3.00	7.20	12.00		13.00	20.00	38.80	316.60	1442
8.00	5.00		20.00	30.00	10.00	1.56	5.00		12.00	5.00	161.50	497.81	1443
				5.00	5.00				13.00	32.50	57.20	248.95	1444
	5.20			1.00					.60	3.00	3.00	163.38	1445
				2.50	2.60	1.56				22.00	24.00	224.44	1446
	6.00			8.00	.75		22.00	15.00	9.60	46.00	63.90	397.80	1447
			24.00	6.00	4.00	7.20	5.00		3.00	20.00	139.90	588.78	1448
8.00				3.00	4.50		4.50	25.00	41.60	20.00	62.60	331.70	1449
	37.50				3.00	3.60	25.00	5.00	20.00	2.00	42.10	318.70	1450
	15.00						6.00		10.40	20.00	83.50	432.20	1451
	33.60			4.00	3.00		15.00		13.00	30.00	23.70	316.30	1452
	18.20			2.00	1.50	12.80			13.00	30.00	23.70	316.30	1452
				12.00	2.00	10.40		25.00	15.60	34.00	53.60	433.00	1453
				40.00	10.00	7.80			25.00	30.00	106.00	476.80	1454
3.00				6.00		11.84	15.00			6.00	28.80	252.73	1455
						7.00			8.00	50.00	6.00	272.40	1456
				5.00		10.00				50.00	8.00	473.80	1457
		\$6.00		8.00	12.00	15.00	50.00		16.00	25.00	12.00	500.00	1458
		6.00		15.00	3.00	30.00			6.00	3.00	22.00	313.60	1459
		6.00		4.60	10.00	15.00			12.00	26.00	14.50	439.10	1460
				10.00	4.00	3.00			12.00	20.00	4.50	114.70	1461
						5.79	19.30		7.72			162.51	1462
							20.07		1.54			157.68	1463
							179.49		10.04		7.53	421.47	1464
			5.02	.39		10.04	150.54	75.27	15.05			462.44	1465
						2.32	28.95		5.02	38.60	30.69	270.02	1466
			5.02			7.72		48.25	14.47	28.95		309.76	1467
			5.79	.96		.58	23.16	9.65	2.89	15.44	2.78	192.87	1468
							23.16			15.44		174.86	1469
				5.02	.96		10.04	11.58	5.02	7.72	8.01	175.69	1470
							15.05	20.07	6.95		2.78	145.60	1471
							21.62	8.68		1.93		91.43	1472
			5.02			3.09	5.79	10.04	2.89	5.79	2.08	139.31	1473
							7.53	15.05	3.77		4.63	105.40	1474
			4.63	1.00		.48	40.14	11.97	3.63	19.78	8.03	248.80	1475
							28.95		3.86		1.93	219.44	1476
			4.63	2.01		1.25	82.02		15.05		8.34	404.57	1477
									6.02	4.63	5.02	137.34	1478
				1.00		2.65	57.90			19.30	5.56	279.72	1479
							35.13		5.02		8.03	169.33	1480
2.41				1.00		7.72	9.65	33.77			10.54	274.87	1481
							20.07	16.21		9.65	2.78	139.83	1482
.96			25.09	.96			175.63	35.13		1.93	5.60	405.96	1483
							15.05				1.93	122.16	1484
						.96	10.04		5.02	9.65	2.89	209.01	1485
							50.18				3.47	144.75	1486



TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**E.—EXPENDITURE OTHER THAN FOR FOOD**—Continued.

[O. H. indicates that the family own the house in which they live.]

Budget number.	Rent.		Fuel.		Lighting.			Clothing.			Furniture and utensils.	Taxes.
	Rooms.	Cost.	Kind.	Quantity (tons).	Cost.	Kind.	Quantity (gallons).	Cost.	Husband.	Wife.	Children.	
1487		\$38.21			\$15.44			\$5.02	\$15.44	\$9.65	\$34.74	
1488		38.21			15.05			6.95	12.00	6.00	5.16	\$0.58
1489	2	17.37			9.65			5.02	15.44	4.82	30.88	
1490	4	38.21			12.35		24	3.85	14.47	7.72	19.30	\$2.80
1491	4	38.60			15.05			8.68	33.77	19.30	57.90	.39
1492	4	37.06			18.53				15.44	7.72	96.50	1.93
1493		57.90			18.53			5.02	23.16	13.51	69.48	5.98
1494	1	18.53			11.58		18	2.08	50.18	23.16	11.58	
1495	4	54.04			23.16			3.47	30.88	9.65	115.80	2.97
1496	2	23.16			8.11		20	2.71	48.25	19.30	9.65	2.32
1497	2	25.48	Coal		13.90	Oil		1.81	23.16	17.37	11.58	
1498	2	23.16	Coal		11.58	Oil		4.25	15.44	12.54	17.37	1.93
1499	3	23.16	Coal		17.37	Oil		5.79	19.30	9.65		
1500	4	37.83	Coal		6.95	Oil	9	.97	38.60	28.95		
1501	6	30.37	Coal		6.95	Oil	12	1.85	17.85	17.37	50.18	1.91
1502	5	41.00	Coal		11.58	Oil		3.86	24.12	14.47	77.20	.96
1503	3	27.79	Coal		9.26	Oil		1.11	15.44	14.47	7.72	1.54
1504	8	54.04			14.47			2.32	28.95	18.33	28.95	
1505	4	60.48			15.05				48.25	19.30		8.78
1506	1	11.58			13.90		13	2.01	24.12	9.65		
1507	4	11.58			12.54			5.02	28.95	10.30	28.95	0.95
1508	2	18.53			12.74		18	2.78	11.58	9.65	17.37	
1509		26.05							38.60	19.30	5.79	
1510	2	11.58			7.72			5.02	15.44	11.58	28.95	
1511	4	38.21			28.18		37	3.92	19.30	9.65	57.90	2.32
1512	4	19.30			19.30			5.02	38.60	28.95	38.60	3.86
1513	4	38.60	Coal		15.44			5.25	17.37	13.51	30.88	6.18
1514	2	34.74			15.05			5.48	28.95	9.65	34.74	2.70
1515	O. H.				9.88	Oil	38	5.79	24.12	16.40		1.93
1516	2	23.16			11.58	Oil	20	2.32	19.30	15.44	19.30	4.82
1517	4	37.06			15.44	Oil	15	2.32	28.95	14.47	9.65	5.79
1518	3	34.74			10.40	Oil	45	6.95	19.30	9.65	48.25	9.65
1519	O. H.				18.53	Oil	12	1.85	28.95	19.30	90.50	11.58
1520	3	27.79	Coke		9.65	Oil	20	3.09	28.95	15.44	5.79	4.82
1521	O. H.				11.58	Oil	24	2.78	14.47	9.65		3.86
1522	3	34.74	Coke		6.95	Oil	18	2.78	24.12	14.47	9.65	3.86
1523	2	23.16			9.65	Oil	23	3.47	9.65		9.65	4.82
1524	4	44.00			19.30	Oil	24	2.78	28.95	19.30	77.20	5.79
1525	3	27.70			10.61	Oil	8	.87	28.95	19.30	38.60	9.65
1526	O. H.				15.44	Oil	24	3.70	19.30	14.47	33.77	7.72
1527	4	37.06			10.21	Oil	45	5.21	13.51	9.65	57.90	11.58
1528	4	34.74			10.42	Oil	13	1.45	28.95	17.37	48.25	19.30
1529	3	32.42			11.58	Oil	21	2.43	28.95	14.47	9.65	4.82
1530	4	34.74			9.65	Oil	24	2.78	38.60	14.47	9.65	5.79
1531	6	60.22			30.11	Oil	60	9.26	28.95	19.30	193.00	11.58
1532	2	25.48			14.47	Oil	24	3.70	27.02	15.44	28.95	5.79
1533	5	41.09			13.51	Oil	24	2.78	28.95	14.47	57.90	5.79
1534	O. H.				13.90	Oil	12	1.39	28.95	14.47	28.95	9.65
1535	4	11.58			9.26	Oil	19	2.80	38.60	9.65	38.60	9.65
1536	4	32.42			10.04			5.02	48.25	28.95	9.65	
1537		28.05	Coal		11.58	Oil		4.82	9.65	9.65	19.30	3.86
1538		28.95	Coal		6.75	Oil		5.79	19.30	9.65	48.25	4.82
1539		57.90	Coal		28.95	Oil		9.65	38.60	28.95	193.00	9.65
1540		46.32	Coal		15.44	Oil		17.37	19.30	19.30	193.00	3.86
1541		28.05	Coal		7.72	Oil		4.63	28.95	19.30	48.25	2.89
1542		28.95	Coal		7.72	Oil		4.82	28.95	9.65	57.90	3.86
1543		28.95	Coal		11.58	Oil		8.08	19.30	9.65	57.90	4.82
1544		28.95	Coal		11.58	Oil		8.68	19.30	19.30	28.95	5.79
1545		28.95	Coal		11.58	Oil		8.68	38.60	28.95	81.06	4.82
1546		28.95	Coal		11.58	Oil		4.82	19.30	7.72	38.60	3.86
1547		28.95	Coal		9.65	Oil		7.72	28.95	28.95		9.65
1548		48.25	Coal		14.47	Oil		9.65	28.95	24.12	115.80	4.82
1549		28.05	Coal		9.65	Oil		3.47	38.60	9.65	9.65	2.89
1550		28.05	Coal		10.61	Oil		6.75	28.95	28.95	38.60	9.65
1551		28.95	Coal		9.65	Oil		6.75	28.95	28.95	9.65	1.30
1552		28.95	Coal		8.68	Oil		7.72	48.25	38.60	38.60	3.86
1553		28.05	Coal		4.63	Oil		2.32	24.12	9.65	28.95	2.89
1554		28.95	Coal		11.58	Oil		6.75	28.95	7.72	67.55	3.86
1555		23.16	Coal		4.82	Oil		2.86	19.30	9.65		2.89
1556		28.05	Coal		9.65	Oil		4.82	14.47	9.65	48.25	9.65
1557		28.05	Coal		5.79	Oil		2.89	13.51	9.65	28.95	3.86
1558		19.30	Coal		4.82	Oil		2.89	14.47		21.23	4.82



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
\$2.89			\$5.02				\$5.02	\$5.79	\$1.93	\$9.65		\$148.80	1487
				\$0.96			49.41	20.84	15.05			170.21	1488
							30.11		4.63		\$4.63	122.55	1489
1.06			5.02	.96			30.11	23.16			12.34	165.36	1490
			5.79	.96			20.07	10.04	2.89		3.86	217.59	1491
						\$2.51	10.04		6.95		8.88	215.20	1492
							23.16		3.09			219.83	1493
							10.81	16.98	1.74		2.32	148.96	1494
							20.07		7.24		3.86	271.14	1495
			5.02			.96	49.41		6.95		3.09	172.95	1496
							30.11	9.26	5.02		3.24	146.91	1497
							5.02	9.65	4.25	3.86	3.47	112.52	1498
							11.58	7.72			8.68	103.25	1499
			4.63	1.00			25.09		2.78		2.51	149.31	1500
				.48		14.47	9.65	12.51	5.79	4.82	4.63	199.41	1501
			7.53				19.30	23.16	7.72	9.65	3.86	245.10	1502
							5.02	10.04	4.63		5.02	102.04	1503
			5.02				19.30		4.82		8.11	179.29	1504
							13.51	12.54	7.04		3.09	202.06	1505
1.35								10.04	5.02		4.01	80.33	1506
							25.09	18.53	2.60		3.04	163.90	1507
			4.63					13.90	5.02	1.93	2.86	100.99	1508
							20.07					109.81	1509
4.05		\$5.02	5.02				10.04		5.02		2.89	103.26	1510
		5.02		1.93			20.07		11.54	19.30	7.41	231.89	1511
.67				.96		3.47	15.44	11.58	5.79		7.72	201.11	1512
				1.00			9.05	10.04	3.09		3.86	158.97	1513
2.89		3.01		.96	\$0.96	.96	10.04				3.70	146.05	1514
				.58	.39		4.82	14.47	4.82	1.93	3.47	109.53	1515
				.96	1.16	2.70	9.65		2.32	19.30	5.41	133.57	1516
.58				.96	.96		1.93	7.72	6.95	9.65	10.77	184.46	1518
1.16			5.56		.19	2.70	14.47	35.60	6.95	4.82	10.81	265.44	1519
				.58	.39		4.82	19.30	6.95	19.30	1.85	148.72	1520
.58				.39	.39		3.86	14.47	6.95	2.89	4.17	81.83	1521
				.39	.39		14.47	5.79	6.95	5.79	7.14	137.58	1522
				.96	.96		.96		6.95	1.93	4.64	75.66	1523
				.58	.48		14.47	24.12	5.79	14.47	6.95	265.04	1524
1.93				.58	.48		2.89		6.75	28.95	6.02	181.44	1525
				1.93	.95		4.82	19.30	4.63	19.30	10.04	165.99	1526
.96				.90	.58		14.47		9.65	14.47	11.54	202.79	1527
				.96	.96	.39	9.65	28.95	1.39	4.82	3.86	212.42	1528
1.65		3.01		.58	.48	.96	9.65	14.47	1.16	.96	4.94	137.52	1529
.91			3.01	.58	.48		9.65	15.44	2.55	3.86	2.78	155.63	1530
				1.93	1.93	2.70	28.95	34.74	6.95	9.65	58.99	502.21	1531
					.58		14.47	19.30	6.95	9.65	6.95	178.75	1532
1.29				.96	.48		9.65	24.12	5.56	9.65	8.34	223.85	1533
.69				.96	.58	.39	4.63		2.78		6.02	117.05	1534
							17.37	19.30	2.89	3.86	7.49	171.83	1535
							19.30		4.82		2.80	161.34	1536
								33.77	3.47			126.11	1537
								14.47	3.47			141.45	1538
.96						3.86	69.48	48.25	6.95			501.22	1539
						3.86	57.90	92.64	9.65		4.82	488.28	1540
						1.93	23.16	9.65			13.51	190.24	1541
						3.47	4.82	57.90	9.65		13.51	231.20	1542
1.06							28.95	77.20	4.82		2.80	255.80	1543
							9.65	34.74	5.79			177.50	1544
	\$5.58						28.95	48.25	11.58		11.58	309.99	1545
						3.52		27.02	3.86			150.53	1546
						3.47	23.16	46.32	7.72			196.08	1547
.77						3.47	2.89	33.60	4.82		9.65	311.28	1548
						.96	9.65	48.25			1.93	164.95	1549
1.06								33.77	3.47			190.76	1550
						3.47	19.30	34.74	5.79			187.15	1551
						.96	3.86	48.25	4.82			234.09	1552
						2.60	34.74	1.93				142.08	1553
						3.52	11.58	45.55			9.65	226.96	1554
								11.58	2.89		2.80	82.34	1555
							23.16	86.85	5.79		7.72	251.85	1556
							1.93	28.95			3.86	129.64	1557
								24.12	5.79		2.89	101.63	1558

TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**E.—EXPENDITURE OTHER THAN FOR FOOD**—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Chil- dren.
1559	.....	\$23.16	Coal	.....	\$4.82	Oil	.....	\$2.89	\$11.58	\$7.72	\$19.30	\$4.82	\$1.30
1560	.....	28.95	Coal	.....	7.72	Oil	.....	4.82	28.95	13.51	38.60	7.72	1.30
1561	.....	28.95	Coal	.....	7.72	Oil	.....	4.82	28.95	13.51	38.60	7.72	1.30
1562	.....	28.95	Coal	.....	5.79	Oil	.....	4.82	28.95	15.44	28.95	9.65	1.30
1563	.....	28.95	Coal	.....	5.79	Oil	.....	4.82	19.30	13.51	38.60	5.79	2.89
1564	.....	23.16	Coal	.....	5.79	Oil	.....	3.86	23.16	15.44	24.12	3.86	1.30
1565	.....	28.95	Coal	.....	5.79	Oil	.....	3.86	14.47	9.65	28.95	4.82	1.30
1566	.....	28.95	Coal	.....	5.79	Oil	.....	2.89	19.30	14.47	15.44	3.86	1.30
1567	4	23.16	Coal	.....	7.72	Oil	.....	3.86	14.47	13.51	13.51	2.89	.....
1568	4	23.16	Coal	.....	7.72	Oil	.....	3.86	14.47	13.51	38.60	4.82	1.30
1569	4	28.95	Coal	.....	14.47	Oil	.....	5.79	28.95	23.16	.....	9.65	1.30
1570	.....	48.25	Coal	.....	11.56	Oil	.....	6.75	19.30	14.47	57.90	6.75	2.89
1571	.....	46.32	Coal	.....	7.72	Oil	.....	6.75	9.65	.....	115.80	5.79	3.67
1572	.....	46.32	Coal	.....	14.47	Oil	.....	6.75	38.60	9.65	57.90	5.79	4.15
1573	.....	28.95	Coal	.....	6.75	Oil	.....	4.63	38.60	19.30	19.30	1.93	.....
1574	.....	28.95	Coal	.....	6.95	Oil	.....	3.86	19.30	19.30	43.42	1.93	1.30
1575	.....	28.95	Coal	.....	4.82	Oil	.....	4.82	19.30	38.60	.....	3.86	1.93
1576	.....	28.95	Coal	.....	8.63	Oil	.....	3.47	9.65	9.65	5.79	1.93	.....
1577	2	17.14	Coal	8	6.43	Oil	.....	1.67	15.53	13.07	13.48	5.24	2.03
1578	2	17.14	Coal	8	7.14	Oil	26	3.71	9.95	12.26	5.00	.....	.89
1579	2	17.14	Coal	10	8.57	Oil	25	3.71	27.85	7.14	16.66	3.57	3.86
1580	.....	Free.	.....	.....	.....	Oil	20	2.78	22.78	11.90	39.98	5.43	4.74
1581	1	21.42	Coal	7	7.14	Oil	15	2.14	10.85	12.69	3.49	4.33	2.03
1582	2	28.56	Coal	10	8.57	Oil	15	2.32	23.15	20.58	53.79	13.57	6.43
1583	O. H.	.....	Coal	6	5.71	Oil	14	2.00	22.85	17.49	20.02	6.14	10.80
1584	3	14.28	Coal	9	7.85	Oil	.....	8.57	27.05	23.21	49.98	7.24	22.13
1585	2	28.56	Coal	6	5.71	Oil	14	2.17	17.23	10.71	7.14	5.47	2.06
1586	2	14.28	Coal	10	8.57	Oil	.....	2.86	17.85	8.57	11.90	10.12	5.71
1587	.....	Free.	Wood	.....	.83	Oil	.....	3.09	28.56	21.18	25.70	9.28	3.81
1588	2	15.71	Coal	10	7.85	Oil	16	2.48	19.35	11.00	53.38	8.57	2.06
1589	1	11.42	Coal	7	6.43	Oil	15	2.09	15.47	11.42	3.57	4.96	2.14
1590	2	5.71	Coal	9	7.14	Oil	26	3.68	17.85	9.04	38.08	4.28	5.71
1591	2	17.14	Coal	7	6.43	Oil	15	2.23	16.92	12.09	12.39	4.43	8.23
1592	2	17.14	Coal	7	5.71	Oil	12	1.79	21.42	10.71	39.27	19.04	8.23
1593	2	22.85	Coal	10	8.57	Oil	.....	4.11	24.56	22.61	9.90	6.64	4.06
1594	.....	16.60	Coal	10	8.57	Oil	.....	2.28	9.76	6.66	21.66	.....	2.20
1595	2	15.71	Coal	8	6.43	Oil	12	1.71	18.53	12.50	8.40	3.11	4.46
1596	2	17.14	Coal	7	7.14	Oil	13	2.23	42.84	11.42	8.57	8.50	4.06
1597	2	17.14	Coal	7	5.71	Oil	.....	2.48	21.18	15.23	12.28	6.88	4.25
1598	2	17.14	Coal	10	8.57	Oil	.....	1.99	21.66	12.28	7.45	4.08	4.28
1599	5	60.83	Coal	.....	29.20	Gas	.....	9.73	38.93	29.20	73.00	.....	.....
1600	5	50.61	Coal	.....	26.76	Oil	.....	7.30	29.20	29.20	97.33	.....	.....
1601	5	68.13	Coal	.....	28.23	Oil	.....	6.33	19.47	14.60	77.86	2.92	.....
1602	4	69.59	Coal	.....	25.30	Oil	.....	7.30	29.20	20.93	48.66	7.30	.....
1603	4	56.94	Coal	.....	25.31	Gas	.....	6.33	21.90	17.03	21.90	2.43	.....
1604	5	66.43	Coal	.....	25.30	Gas	.....	6.33	26.76	19.47	14.60	2.43	.....
1605	4	56.94	Coal	.....	18.98	Gas	.....	5.27	29.20	20.20	.....	3.65	.....
1606	3	44.28	Coal	.....	22.14	Oil	.....	6.08	24.33	24.33	7.30	7.79	.....
1607	4	63.26	Coal	.....	25.30	Oil	.....	6.33	29.20	14.60	.....	4.87	.....
1608	3	44.28	Coal	.....	15.82	Oil	.....	3.16	14.60	12.17	1.22	7.30	.....
1609	4	63.26	Coal	.....	24.82	Oil	.....	5.84	29.20	24.33	19.47	4.14	.....
1610	4	61.81	Coal	.....	25.79	Oil	.....	6.33	23.11	.....	48.66	3.65	.....
1611	4	50.61	Coal	.....	22.38	Oil	.....	5.11	24.33	19.47	29.20	1.22	.....
1612	4	56.94	Coal	.....	18.98	Oil	.....	6.33	12.17	8.76	12.17	1.22	.....
1613	4	66.43	Coal	.....	24.33	.....	.....	3.41	19.47	14.60	.....	1.46	.....
1614	4	61.81	Coal	.....	21.90	Oil	.....	4.14	19.47	14.60	14.60	1.70	.....
1615	3	56.94	Coal	.....	15.82	Oil	.....	4.14	14.60	9.73	4.87	2.43	.....
1616	5	71.54	Coal	.....	24.33	Gas	.....	5.60	24.33	19.47	.....	48.67	.....
1617	5	55.96	Coal	.....	24.33	Oil	.....	6.33	19.47	14.60	43.80	3.65	.....
1618	6	63.26	Coal	.....	20.44	Oil	.....	7.30	9.73	9.73	12.17	2.43	.....
1619	6	63.26	Coal	.....	25.30	Oil	.....	6.33	29.20	14.60	77.86	2.43	.....
1620	5	63.26	Coal	.....	25.30	Oil	.....	6.33	24.33	14.60	53.53	7.30	.....
1621	3	37.96	Coal	.....	18.98	.....	.....	4.22	24.33	9.73	36.50	2.43	.....
1622	3	53.77	Coal	.....	19.47	Oil	.....	4.87	12.17	6.20	7.30	26.76	.....
1623	2	37.96	Coal	.....	25.30	Oil	.....	6.33	14.60	14.60	.....	2.43	.....
1624	3	56.94	Coal	.....	25.31	Oil	.....	6.33	24.33	14.60	9.73	2.43	.....
1625	6	69.35	Coal	.....	37.96	Gas	.....	7.30	29.20	24.33	116.80	9.73	.....
1626	6	69.59	Coal	.....	24.33	Oil	.....	6.33	14.60	14.60	24.33	2.43	.....
1627	6	69.59	Coal	.....	25.30	Oil	.....	6.33	19.47	11.60	12.17	2.43	.....
1628	6	66.43	Coal	.....	25.30	Oil	.....	6.33	19.47	17.52	58.40	4.87	.....
1629	3	58.40	Coal	.....	17.03	Oil	.....	4.87	14.60	12.17	2.43	.....	.....
1630	4	56.94	Coal	.....	31.63	Gas	.....	6.33	19.47	14.60	4.87	2.43	.....



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
	\$4.05						\$0.96	\$67.55	\$3.86		\$2.89	\$154.90	1559
							9.65	57.90	4.82		5.79	209.73	1560
							19.30	77.20	5.79		4.82	238.68	1561
							9.65	38.60	4.82		4.82	181.74	1562
							13.51	28.95	4.82		2.89	169.82	1563
							11.58	57.90	3.86		2.89	176.92	1564
							4.82	28.95	4.82		3.86	140.24	1565
							4.82	28.95	4.82		2.89	133.43	1566
								58.67	7.72		2.89	148.40	1567
						\$0.58		63.30	2.89		1.93	176.14	1568
	4.64				\$3.86		30.88	66.10	5.79	\$9.65	4.82	238.01	1569
\$1.35							9.65	28.95	3.86		9.65	220.00	1570
						1.35	9.65	74.11				282.16	1571
						6.95	11.58	69.48	3.86			275.50	1572
.96						1.16	3.86	67.55	4.82			197.81	1573
.72						3.57		57.90	4.82			192.02	1574
						3.86	19.30	23.16	6.75			155.35	1575
						2.89	4.82	48.25	3.86			127.94	1576
							2.14	13.57	4.52		6.43	103.41	1577
			\$1.43	\$0.25	.48			11.42	2.48	1.19	12.38	91.04	1578
1.43	18.34		6.64	.24	.60			3.57	1.71	3.68	57.02	179.35	1579
1.12			.57	.83	.24	2.86		18.33	6.43		4.86	139.32	1580
			12.14	1.45	.48	4.28	2.62	3.47	2.57	5.24	2.28	87.25	1581
.71			6.81	.60	.57	1.71		11.90	4.28		7.43	205.50	1582
1.38			12.14	1.19	1.24	1.19	2.86	6.14			5.43	118.38	1583
1.12			9.28	1.19	1.93	3.21	4.76	27.13	3.09		100.20	309.75	1584
			1.95	1.57	1.24	9.57	3.57	6.19	3.43		17.78	119.68	1585
			7.85	.62	.24	2.62		8.57	3.19	4.05	15.40	121.40	1586
			7.62	.71	.57	1.43		10.95	3.33	2.14	12.90	136.52	1587
.71			9.28	.48	.95	3.33		17.37	6.19		8.99	160.30	1588
			5.00	.62	.71	1.02		8.69	4.14	10.71	4.91	98.43	1589
			8.71	.77	.62	.95	1.43	16.66	6.38	4.76	3.56	123.64	1590
				.48	.31			25.73	2.32	12.14	4.08	133.57	1591
			8.00	1.19	.25			28.56	8.57	12.14	17.90	200.73	1592
.54			4.71	1.14	.29	1.19	2.38	22.60	4.28	2.86	20.56	163.83	1593
			9.04	.57	.62			4.19	2.86		3.71	82.80	1594
			1.43	.74		2.14		24.75	3.09	7.85	9.59	131.01	1595
			13.33	.62	.48	.45		21.42	5.90	2.38	21.61	158.71	1596
			.95	.73	1.21	.71	1.90	20.47	2.14		4.28	126.41	1597
			9.14	1.19	.71		3.33	1.19	13.42	4.19	2.28	160.17	1598
			.95	.26	.33							320.21	1599
18.98			12.65			7.30	34.06			6.33		272.52	1600
9.73			6.33	7.30	2.43			19.47	14.60	21.90		320.66	1601
18.99	\$0.53		6.85	1.46	1.46	3.16	14.60	12.65	12.65	48.66		318.17	1602
13.71		.53	6.85	2.43	1.46	7.30	3.65	4.87	9.73	34.06		228.55	1603
7.86		.53	13.71	2.43	.97	1.09	1.46	12.17	12.65			221.13	1604
6.33		1.05	6.69	2.43	.97	4.87	12.17				2.43	177.70	1605
		.53	13.26	2.43	3.65	2.43	9.73	9.73	12.65			211.02	1606
6.32		.53	16.59	2.43	1.46	3.16	21.90	14.60	9.73	4.57		212.50	1607
6.32		.53	8.85	3.65	1.46	6.33	14.60	14.60	9.73	.73		135.25	1608
		.53	6.85		.49	1.34	2.43	7.30	9.73	2.43		216.40	1609
3.16		.53	6.85	2.43	1.46	4.87	9.74	12.65	12.65	38.50		249.96	1610
4.22		.53	6.85		.97	7.30						176.09	1611
4.38		.53	6.85		.73	3.16	3.41				4.87	144.14	1612
		.53	1.70			3.16					6.08	153.39	1613
		.53	19.51			2.43	1.22	4.87	9.73			183.07	1614
7.30		.53	6.85	3.16	.73	4.38	7.30	12.65	12.65			148.79	1615
		1.05	6.85	1.70	.73	3.41	1.22					215.88	1616
		.53	2.43	2.43	1.46	2.92	12.17	9.73	14.60			234.85	1617
		.53	25.79	2.43	1.46	2.43	9.74			3.04	8.52	174.86	1618
			32.52		.97	4.26	.49				22.38	214.36	1619
			31.63	21.90	2.43	7.30	9.74			5.11	19.47	245.38	1620
10.54		.53	6.33	1.46	2.43	4.86				16.06		169.03	1621
		.53	6.85	3.65	1.46	6.33		9.25	8.76	1.70		181.80	1622
2.11	6.86		11.76			1.82	9.00	6.33	12.65	2.11		140.97	1623
8.44			2.43		.24	6.33	1.22	7.30	12.65	2.11		196.76	1624
6.08	6.33		7.30		.24	2.43	7.30					403.99	1625
16.86			18.98	9.73	5.84	9.25	24.33			14.60	9.73	203.65	1626
3.16			12.65	2.43		4.87	7.30	7.30	7.30	4.87		193.81	1627
6.32				5.11	1.46	4.26	7.30				12.17	246.95	1628
4.87	.53		12.20	3.65		5.47	9.74				9.73	142.10	1629
			13.63	2.43	.49	2.43		6.33	12.65	3.89		176.09	1630
			6.33		.24	2.43	9.73			2.11			



TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**E.—EXPENDITURE OTHER THAN FOR FOOD**—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax. es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
1631	4	\$63.26	Coal	.....	\$37.96	Gas	.....	\$6.33	\$24.33	\$24.33	.....	\$2.92	.....
1632	3	37.96	Coal	.....	25.30	Oil	.....	6.33	12.17	9.73	.....	2.43	.....
1633	2	37.96	Coal	.....	25.31	Oil	.....	6.33	19.47	9.73	\$4.87	2.92	.....
1634	4	44.28	Coal	.....	37.96	Gas	.....	7.30	19.47	19.47	14.60	2.92	.....
1635	3	50.61	Coal	.....	25.30	Oil	.....	6.33	14.60	14.60	.....	4.33	.....
1636	3	56.94	Coal	.....	31.63	Oil	.....	6.33	19.47	19.47	24.33	3.65	.....
1637	6	69.59	Coal	.....	37.96	Gas	.....	7.30	19.47	19.47	14.60	3.65	.....
1638	4	56.94	Coal	.....	25.30	Gas	.....	9.49	24.33	24.33	9.73	2.92	.....
1639	3	56.94	Coal	.....	37.96	Oil	.....	6.33	19.47	14.60	4.87	3.65	.....
1640	4	63.26	Coal	.....	37.96	Gas	.....	9.49	24.33	19.47	19.47	3.65	.....
1641	2	44.28	Coal	.....	31.63	Oil	.....	6.33	14.60	14.60	.....	17.03	.....
1642	6	69.59	Coal	.....	37.96	Gas	.....	8.52	19.47	14.60	73.00	3.41	.....
1643	3	44.28	Coal	.....	31.63	Oil	.....	6.33	19.47	14.60	2.43	7.30	.....
1644	3	56.94	Coal	.....	25.30	Oil	.....	4.87	14.60	14.60	4.87	3.41	.....
1645	6	69.59	Coal	.....	37.96	Gas	.....	9.49	19.47	14.60	73.00	3.65	.....
1646	3	37.96	Coal	.....	25.31	Oil	.....	6.33	14.60	14.60	.....	2.43	.....
1647	3	44.28	Coal	.....	25.31	Oil	.....	4.22	9.73	4.87	4.87	2.43	.....
1648	3	50.61	Coal	.....	25.31	Oil	.....	6.33	9.73	9.73	9.73	2.43	.....
1649	3	56.94	Coal	.....	31.63	Oil	.....	6.33	19.47	14.60	24.33	2.43	.....
1650	3	50.61	Coal	.....	25.31	Oil	.....	4.87	9.73	9.73	14.60	.....	.....
1651	3	56.94	Coal	.....	25.30	Oil	.....	6.33	14.60	14.60	9.73	7.30	.....
1652	4	56.94	Coal	.....	25.30	Oil	.....	6.33	19.47	14.60	.....	2.43	.....
1653	6	69.59	Coal	.....	31.63	Oil	.....	6.33	9.73	9.73	38.93	3.65	.....
1654	4	53.53	Coal	.....	29.20	Oil	.....	7.30	48.66	48.66	97.33	9.73	.....
1655	5	63.26	Coal	.....	26.76	Gas	.....	7.79	58.40	48.66	48.66	9.73	.....
1656	3	38.93	Coal	.....	24.33	Oil	.....	9.25	48.66	48.66	48.66	9.73	.....
1657	4	48.66	Coal	.....	20.76	Oil	.....	7.79	73.00	48.66	73.00	14.60	.....
1658	6	73.00	Coal	.....	29.20	Gas	.....	13.38	48.66	38.93	68.13	9.73	.....
1659	6	73.00	Coal	.....	38.93	Oil	.....	12.65	58.40	58.40	145.99	0.73	.....
1660	5	75.92	Coal	.....	25.30	Gas	.....	15.57	21.90	19.47	19.47	3.65	.....
1661	4	63.26	Coal	.....	25.31	Oil	.....	6.33	19.47	19.47	48.66	3.65	.....
1662	5	63.26	Coal	.....	34.06	Oil	.....	10.22	58.40	48.66	121.66	9.73	.....
1663	4	48.66	Coal	.....	29.20	Oil	.....	7.30	38.93	48.66	97.33	12.17	.....
1664	4	48.66	Coal	.....	24.33	Oil	.....	9.73	73.00	48.66	.....	121.66	.....
1665	4	48.66	Coal	.....	29.20	Oil	.....	8.52	58.40	58.40	58.40	7.30	.....
1666	3	38.93	Coal	.....	19.47	Oil	.....	4.87	29.20	29.20	19.47	4.87	.....
1667	4	48.66	Coal	.....	29.20	Oil	.....	8.52	73.00	48.66	48.66	19.47	.....
1668	4	48.66	Coal	.....	24.33	Oil	.....	7.30	34.06	29.20	9.73	4.87	.....
1669	4	43.80	Coal	.....	29.20	Oil	.....	9.73	73.00	58.40	38.93	7.30	.....
1670	3	38.93	Coal	.....	24.33	Oil	.....	7.30	29.20	29.20	.....	4.87	.....
1671	0	68.13	Coal	.....	29.20	Oil	.....	8.52	48.67	48.67	58.40	9.73	.....
1672	5	53.53	Coal	.....	24.33	Oil	.....	7.30	48.66	58.40	.....	19.47	.....
1673	4	48.66	Coal	.....	24.33	Oil	.....	8.52	48.66	38.93	9.73	19.47	.....
1674	.....	50.61	Coal	.....	30.17	Oil	.....	6.33	14.60	19.47	50.13	9.73	.....
1675	.....	73.00	.....	.....	19.47	.....	.....	4.87	26.76	19.47	38.93	43.80	.....
1676	3	50.94	Coal	.....	31.63	Oil	.....	6.33	19.47	9.73	4.87	2.92	.....
1677	4	48.66	Coal	.....	26.76	Oil	.....	8.52	87.60	58.40	38.93	9.73	.....
1678	5	53.53	Coal	.....	38.93	Oil	.....	9.73	58.40	48.66	194.66	4.87	.....
1679	6	63.26	Coal	.....	38.93	Gas	.....	13.38	58.40	73.00	146.00	9.73	.....
1680	6	63.26	Coal	.....	29.20	Oil	.....	9.73	48.66	38.93	116.80	4.87	.....
1681	4	48.66	.....	.....	34.07	Oil	.....	8.52	73.00	48.66	48.66	24.33	.....
1682	4	48.67	Coal	.....	34.07	Oil	.....	9.73	73.00	58.40	121.66	4.87	.....
1683	5	58.40	Coal	.....	29.20	Oil	.....	8.52	73.00	48.66	97.33	9.73	.....
1684	4	48.66	Coal	.....	24.33	Oil	.....	7.30	73.00	38.93	48.66	9.73	.....
1685	5	58.40	Coal	.....	36.50	Oil	.....	9.73	48.66	48.66	97.33	9.73	.....
1686	4	43.80	Coal	.....	24.33	Oil	.....	6.08	38.03	38.93	38.93	.....	.....
1687	5	38.28	Coal	.....	12	29.20	.....	4.87	19.46	19.47	24.33	.....	.....
1688	4	17.20	Coal	.....	12	29.20	Oil	.....	6.33	34.07	24.33	43.80	.....
1689	5	35.12	Coal	.....	12	29.20	Oil	.....	4.38	24.33	19.47	24.33	.....
1690	3	9.81	Coal	.....	12	29.20	Oil	.....	4.38	19.47	14.60	.....	.....
1691	3	19.30	Coal	.....	12	29.20	Oil	.....	3.16	6.00	5.00	8.47	.....
1692	4	69.59	Coal	.....	26.76	Oil	.....	7.30	29.20	24.33	48.66	2.43	.....
1693	4	50.61	Coal	.....	31.63	Gas	.....	7.30	14.60	19.47	4.87	2.43	.....
1694	3	44.28	Coal	.....	31.63	Gas	.....	8.43	19.47	9.73	9.73	2.92	.....
1695	3	37.96	Coal	.....	25.30	Oil	.....	6.33	14.60	14.60	19.47	3.65	.....
1696	3	44.28	Coal	.....	25.30	Oil	.....	4.22	9.73	9.73	9.73	2.43	.....
1697	4	33.77	Coal	.....	25.31	Oil	.....	5.27	9.73	9.73	4.87	1.22	.....
1698	2	37.96	Coal	.....	25.30	Oil	.....	4.22	12.17	12.17	4.87	2.43	.....
1699	0	69.59	Coal	.....	37.96	Gas	.....	8.52	19.47	19.47	9.73	3.65	.....
1700	3	56.94	Coal	.....	25.30	Oil	.....	6.33	12.00	12.00	5.20	2.43	.....
1701	3	44.28	Coal	.....	25.30	Oil	.....	6.33	14.60	9.73	9.73	2.43	.....
1702	3	50.61	Coal	.....	25.30	Oil	.....	4.22	9.73	9.73	9.73	2.43	.....

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
.....	\$12.66	.....	.....	\$2.43	\$0.24	\$2.43	\$4.87	\$12.65	\$7.30	\$2.11	.....	\$203.82	1631
.....	12.66	.....	\$6.33	.....	.24	2.43	2.43	12.65	6.33	2.11	.....	139.10	1632
.....	7.13	.....	6.33	.....	.24	2.43	2.43	9.73	12.65	2.11	.....	149.64	1633
.....	4.22	.....	6.33	.....	.24	6.33	4.87	25.30	12.65	2.11	.....	208.05	1634
.....	.....	.....	6.33	.....	.24	2.43	7.30	12.65	12.65	2.11	.....	159.53	1635
.....	.....	.....	6.33	.....	6.33	6.33	9.73	3.16	12.65	2.11	.....	208.46	1636
.....	15.82	.....	12.65	.....	.24	6.33	24.33	37.96	12.65	3.16	.....	285.18	1637
.....	.....	.....	11.19	2.43	.24	7.30	14.60	.....	12.65	2.11	.....	203.56	1638
.....	6.32	.....	6.33	.....	.24	2.43	12.65	25.30	12.65	2.11	.....	211.85	1639
.....	12.66	.....	6.33	.....	1.46	12.65	14.60	25.30	12.65	2.11	.....	265.39	1640
.....	3.16	.....	12.65	.....	.24	6.33	25.30	25.30	12.65	2.11	.....	216.21	1641
.....	6.33	.....	12.65	6.33	.24	6.33	9.73	.....	12.65	2.11	\$12.65	295.57	1642
.....	.....	.....	6.33	6.33	.24	3.16	6.33	25.30	12.65	2.11	.....	175.83	1643
.....	12.65	.....	12.65	2.43	.24	12.65	9.73	37.96	12.65	4.22	18.98	351.92	1644
.....	.....	.....	6.33	.....	.24	6.33	.....	18.98	12.65	2.11	.....	141.54	1645
.....	.....	.....	.....	6.33	.24	3.16	4.87	12.65	12.65	2.11	.....	137.72	1646
.....	6.33	.....	6.33	6.33	.24	3.16	2.43	.....	12.65	2.11	9.49	204.80	1647
.....	.....	.....	6.33	6.33	.24	3.16	.....	.....	12.65	2.11	12.65	151.99	1648
.....	6.33	.....	12.65	6.33	.24	2.43	7.30	12.65	12.65	2.11	7.30	204.79	1649
.....	.....	.....	.....	.....	.24	6.33	4.87	25.30	12.65	2.11	.....	176.57	1650
.....	12.65	.....	12.65	12.65	.24	2.43	2.43	.....	.....	2.11	.....	202.10	1651
.....	12.65	\$6.23	12.65	.....	3.65	9.73	58.40	38.93	9.73	.....	.....	446.48	1652
.....	12.65	.....	4.87	4.87	.....	4.87	14.60	24.33	.....	7.79	.....	337.24	1653
.....	12.65	7.30	.....	.....	.....	4.87	38.93	38.93	14.60	.....	12.65	358.15	1654
.....	12.65	.....	.....	4.87	2.43	9.73	21.90	14.60	12.65	.....	7.79	379.09	1655
.....	12.66	6.33	7.79	4.87	2.43	6.33	34.06	19.47	14.60	.....	14.60	404.17	1656
.....	19.47	.....	12.65	7.30	2.43	24.33	63.26	48.66	14.60	.....	.....	589.80	1657
.....	6.33	.53	6.85	2.43	1.46	6.33	1.22	14.60	10.71	4.87	25.30	261.91	1658
.....	6.33	.....	.....	12.65	.24	3.16	.....	.....	12.65	2.11	.....	223.29	1659
.....	17.52	.....	12.65	.....	.....	7.30	43.80	14.60	14.60	.....	.....	456.46	1660
.....	12.65	.....	7.79	4.87	2.43	4.87	48.67	19.46	12.65	.....	.....	395.64	1661
.....	12.65	.....	7.79	7.30	2.43	9.73	68.13	12.65	.....	.....	.....	446.72	1662
.....	9.25	.....	6.56	.....	.....	7.30	48.66	38.93	14.60	.....	.....	394.18	1663
.....	12.65	.....	6.33	.....	.....	2.43	19.46	12.65	12.65	.....	.....	212.18	1664
.....	12.65	.....	12.65	7.30	3.65	12.17	48.66	24.33	12.65	.....	.....	410.23	1665
.....	6.33	.....	3.65	.....	.....	3.65	24.33	14.60	14.60	.....	.....	225.31	1666
.....	12.65	6.33	12.65	.....	3.65	9.73	63.26	24.33	12.65	.....	.....	405.61	1667
.....	18.98	.....	6.33	7.30	2.43	7.30	19.46	.....	.....	.....	.....	195.63	1668
.....	12.65	.....	12.65	.....	2.44	7.30	58.40	24.33	14.60	.....	.....	403.69	1669
.....	7.79	.....	12.65	.....	2.43	4.87	72.99	.....	.....	.....	.....	312.42	1670
.....	12.65	.....	12.65	.....	2.43	4.87	48.67	29.20	14.60	.....	.....	323.37	1671
.....	22.14	.97	.....	.....	1.46	3.41	.....	.....	.....	.....	14.60	223.62	1672
.....	.....	2.43	38.93	4.87	.....	9.73	9.74	.....	.....	.....	24.33	316.33	1673
.....	.....	.....	6.33	6.33	.....	.....	2.43	25.30	12.65	2.11	.....	187.04	1674
.....	12.65	6.33	12.65	.....	2.43	9.73	58.40	38.93	14.60	.....	.....	434.32	1675
.....	17.52	12.65	19.47	.....	2.43	14.60	87.59	48.66	24.33	.....	.....	636.03	1676
.....	17.52	11.19	7.79	.....	2.43	12.17	72.99	24.33	24.33	.....	48.66	624.11	1677
.....	14.60	6.33	9.73	7.30	.....	14.60	43.80	29.20	14.60	.....	.....	451.61	1678
.....	18.98	6.33	12.65	7.30	2.43	4.87	38.93	38.93	12.65	.....	.....	428.97	1679
.....	12.65	6.33	12.65	.....	.....	2.43	77.87	87.60	24.33	.....	.....	574.26	1680
.....	18.98	.....	12.65	4.87	3.65	24.33	48.66	.....	.....	.....	38.93	476.91	1681
.....	12.65	6.33	12.65	4.87	2.43	7.30	43.80	29.20	14.60	.....	.....	384.44	1682
.....	25.30	6.33	12.65	7.30	2.43	9.73	48.66	24.33	9.73	.....	.....	455.47	1683
.....	12.65	.....	7.30	.....	.....	2.43	9.73	12.65	12.65	.....	.....	248.41	1684
.....	.....	.....	6.85	.....	.....	4.22	.....	25.31	12.65	3.16	.....	187.80	1685
.....	.....	.....	6.85	7.38	.....	3.16	.....	.....	.....	4.22	37.96	214.50	1686
.....	.....	.....	6.85	.....	.....	.....	.....	25.30	14.60	2.11	18.98	204.67	1687
.....	.....	.....	6.85	.....	.....	.....	.....	.....	.....	2.11	.....	86.42	1688
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.11	.....	73.24	1689
.....	6.33	.49	9.01	2.43	.....	7.30	19.46	12.65	12.65	6.33	.....	284.92	1690
.....	10.95	.....	6.33	2.43	.24	6.33	9.74	9.73	12.65	2.11	.....	191.42	1691
.....	.....	.....	6.33	2.43	.24	6.33	9.74	25.30	12.65	3.16	.....	192.37	1692
.....	.....	.....	12.65	12.65	.24	1.46	12.17	25.30	12.65	3.16	.....	202.19	1693
.....	.....	.....	12.65	12.65	.24	.....	.....	12.65	6.33	2.11	.....	139.40	1694
.....	12.66	.....	6.33	6.33	.24	3.16	2.43	12.65	6.33	2.11	.....	155.81	1695
.....	.....	.....	6.33	6.33	.24	.....	9.73	25.30	12.65	2.11	.....	161.81	1696
.....	1.05	.....	.....	6.33	6.33	3.16	6.33	.....	.....	2.11	4.87	108.57	1697
.....	.....	.....	.....	6.33	.24	6.33	2.43	25.30	12.65	2.11	.....	175.59	1698
.....	6.33	.....	.....	6.33	.24	3.16	.....	25.30	.....	2.11	6.33	162.20	1699
.....	.....	.....	.....	6.33	.24	2.43	2.43	.....	12.05	2.11	.....	137.94	1700

TABLE XIX.—**BAR IRON:** COST OF LIVING, BY FAMILIES—Continued.**E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.**

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
1703	4	\$60.10	Coal	.....	\$25.31	Oil	.....	\$6.33	\$14.60	\$14.60	.....	.....	.....
1704	.....	43.80	Coal	.....	12.17	Oil	.....	7.30	21.90	19.47	\$58.40	\$7.30	\$4.86
1705	4	43.80	Coal	.....	9.73	Oil	.....	4.87	24.33	21.90	82.73	4.87	4.86
1706	5	63.26	Coal	.....	.....	Oil	.....	7.30	34.07	24.33	111.93	14.60	9.74
1707	3	43.80	Coal	.....	12.17	Oil	.....	7.30	17.05	.....	73.00	7.30	4.87
1708	5	63.26	.....	.....	12.17	Oil	.....	7.30	26.77	9.73	87.60	7.30	10.95
1709	6	34.07	Coal	....12	29.20	Gas	.....	3.16	19.47	14.60	9.73	.....	.....
1710	5	31.96	Coal	....12	29.20	Oil	.....	3.16	.....	.....	.....	.....	.....
1711	7	35.12	Coal	....12	29.20	Gas	.....	12.65	19.47	24.33	121.66	.....	.....
1712	4	30.50	Coal	....10	24.33	.....	.....	4.38	.....	.....	.....	.....	.....



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
-----	\$6.08	-----	-----	\$6.33	\$0.25	\$3.16	\$2.43	-----	\$12.65	\$2.11	-----	\$153.95	1703
-----	2.10	-----	-----	7.30	2.43	4.87	29.20	-----	-----	-----	-----	219.00	1704
-----	2.63	-----	-----	7.30	2.43	4.87	24.33	-----	-----	-----	-----	238.12	1705
-----	-----	-----	-----	14.60	4.87	24.33	82.73	-----	-----	-----	-----	394.39	1706
-----	-----	-----	-----	12.17	4.87	9.73	38.93	-----	-----	-----	-----	231.17	1707
-----	2.12	-----	-----	9.73	2.43	4.87	34.06	-----	-----	-----	-----	278.29	1708
-----	-----	-----	\$16.22	4.87	-----	3.16	-----	-----	-----	2.11	-----	136.59	1709
-----	-----	-----	6.86	-----	-----	2.43	-----	-----	12.65	3.16	-----	89.42	1710
-----	-----	-----	5.84	4.87	-----	2.92	-----	-----	12.65	11.60	-----	280.31	1711
-----	-----	-----	6.85	-----	-----	-----	-----	-----	-----	1.05	-----	67.11	1712

TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**F.—CONTRASTED INCOME AND EXPENDITURE.**

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
839	4	No...	\$72.00	\$143.58	\$245.00	\$460.58	\$312.00	\$25.00	\$25.00	\$362.00	.....	\$98.58
840	3	No...	60.00	151.35	218.70	430.05	343.20	.....	.....	343.20	.....	86.85
841	8	No...	72.00	214.00	215.30	501.90	312.00	.....	110.00	422.00	.....	79.90
842	2	No...	60.00	151.40	164.00	375.40	468.00	.....	.....	468.00	\$92.60	.....
843	10	No...	192.00	491.60	548.10	1,231.70	624.00	.....	576.00	1,200.00	.....	31.70
844	3	No...	108.00	174.15	275.00	557.15	520.00	.....	.....	520.00	.....	37.15
845	3	No...	72.00	140.75	243.50	456.25	438.00	.....	.....	438.00	.....	18.25
846	6	No...	75.00	190.35	259.50	524.85	390.00	200.00	75.00	665.00	140.15	.....
847	5	No...	108.00	266.55	260.50	635.05	936.00	.....	.....	936.00	300.95	.....
848	8	No...	72.00	285.65	259.10	616.75	200.00	.....	600.00	800.00	183.25	.....
849	4	No...	90.00	160.16	260.20	510.36	325.00	.....	146.00	471.00	.....	39.36
850	3	No...	60.00	161.29	224.70	445.99	380.00	.....	41.00	421.00	.....	24.99
851	6	No...	96.00	180.60	303.50	580.10	540.00	.....	20.00	560.00	.....	20.10
852	5	No...	78.00	215.70	204.00	497.70	650.00	.....	.....	650.00	152.30	.....
853	4	No...	180.00	278.30	663.25	1,121.55	1,644.00	.....	.....	1,644.00	522.45	.....
854	7	No...	150.00	358.05	550.00	1,058.05	1,404.00	.....	.....	1,404.00	345.95	.....
855	4	No...	168.00	192.25	304.00	664.25	1,400.00	.....	.....	1,400.00	735.75	.....
856	7	No...	216.00	310.10	755.50	1,281.60	880.00	535.00	.....	1,415.90	133.40	.....
857	6	No...	156.00	259.95	403.50	819.45	643.50	.....	192.00	835.50	16.05	.....
858	3	No...	144.00	235.50	317.40	696.90	890.00	.....	.....	890.00	193.10	.....
859	4	Yes...	.....	249.45	533.85	783.30	930.00	.....	.....	930.00	196.70	.....
860	4	No...	24.00	167.60	338.90	530.50	405.00	.....	.....	405.00	.....	125.50
861	7	No...	120.00	344.30	354.00	818.30	586.50	90.00	.....	676.50	.....	141.80
862	4	No...	144.00	228.60	432.10	804.70	941.50	.....	.....	941.50	136.80	.....
863	4	No...	144.00	195.05	234.00	573.05	899.50	.....	.....	899.50	326.45	.....
864	7	No...	144.00	258.90	572.00	974.90	993.73	.....	.....	993.75	18.85	.....
865	6	No...	120.00	267.90	401.50	789.40	926.25	.....	.....	926.25	136.85	.....
866	4	No...	144.00	271.45	469.50	884.95	937.50	.....	.....	937.50	52.55	.....
867	8	No...	132.00	367.05	599.00	1,098.05	975.00	.....	.....	975.00	.....	123.05
868	5	No...	60.00	155.95	123.50	339.45	476.00	.....	.....	476.00	136.55	.....
869	4	No...	72.00	236.50	205.40	513.90	546.00	.....	360.00	906.00	392.10	.....
870	5	No...	78.00	247.10	305.25	630.35	650.00	.....	160.00	810.00	179.65	.....
871	10	No...	180.00	401.23	781.75	1,362.98	1,740.00	.....	.....	1,740.00	377.02	.....
872	4	No...	360.00	338.15	981.00	1,679.15	2,060.00	.....	364.00	2,424.00	744.85	.....
873	5	No...	96.00	242.35	323.90	662.25	642.50	.....	.....	642.50	.....	19.75
874	8	No...	96.00	230.34	319.00	645.34	590.00	.....	.....	590.00	.....	55.34
875	3	No...	144.00	221.10	469.90	835.00	843.50	.....	.....	843.50	8.50	.....
876	5	No...	84.00	260.43	379.20	723.63	805.00	.....	.....	805.00	81.37	.....
877	9	No...	120.00	405.30	508.10	1,033.40	612.00	180.00	144.00	936.00	.....	97.40
878	6	No...	96.00	480.00	850.76	1,426.76	1,446.00	.....	40.00	1,486.00	59.24	.....
879	5	No...	72.00	480.00	383.44	935.44	1,104.00	.....	.....	1,104.00	168.56	.....
880	4	No...	180.00	300.00	406.60	886.60	1,100.00	.....	.....	1,100.00	213.40	.....
881	4	No...	60.00	300.00	183.50	543.50	600.00	.....	.....	600.00	56.50	.....
882	3	No...	96.00	239.65	307.00	642.65	700.00	.....	.....	700.00	57.35	.....
883	2	No...	60.00	305.70	450.70	816.40	700.00	.....	.....	700.00	.....	116.40
884	3	No...	60.00	148.50	129.00	337.50	300.00	.....	.....	300.00	.....	37.50
885	2	No...	84.00	112.00	134.00	330.00	325.00	.....	.....	325.00	.....	5.00
886	3	No...	84.00	210.16	124.50	418.66	440.00	.....	.....	440.00	21.34	.....
887	4	No...	36.00	195.70	154.40	386.10	285.00	.....	168.00	453.00	66.90	.....
888	5	No...	72.00	186.28	184.30	442.58	312.00	.....	130.52	442.52	.....	.06
889	8	No...	120.00	403.75	620.20	1,143.95	900.00	400.00	.....	1,300.00	156.05	.....
890	8	No...	60.00	205.60	274.55	540.15	500.00	.....	75.00	575.00	28.85	.....
891	2	No...	84.00	227.10	279.20	590.30	900.00	.....	.....	900.00	309.70	.....
892	7	No...	60.00	360.00	352.44	772.44	581.50	.....	.....	581.50	.....	190.94
893	3	No...	108.00	263.90	532.00	903.90	1,080.00	.....	.....	1,080.00	176.10	.....
894	2	No...	108.00	222.10	376.00	706.10	658.00	.....	.....	658.00	.....	48.10
895	3	No...	102.00	420.00	212.20	734.20	1,320.00	.....	.....	1,320.00	585.80	.....
896	4	No...	72.00	240.00	132.50	444.50	372.40	.....	.....	372.40	.....	72.10
897	6	No...	120.00	300.00	280.80	700.80	877.25	.....	.....	877.25	176.45	.....
898	8	No...	168.00	600.00	465.60	1,233.60	2,000.00	.....	80.00	2,080.00	846.40	.....
899	8	No...	120.00	380.80	413.88	914.68	1,923.00	.....	98.00	2,024.00	1,109.32	.....
900	3	Yes...	.....	251.00	252.00	503.00	450.00	250.00	.....	700.00	197.00	.....
901	9	No...	84.00	287.52	233.00	604.52	250.00	150.00	.....	400.00	.....	204.52
902	3	No...	108.00	239.36	463.70	816.06	700.00	.....	75.00	775.00	.....	41.06
903	6	No...	72.00	302.10	305.30	679.40	300.00	15.00	60.00	375.00	.....	304.40
904	8	No...	96.00	326.50	295.50	718.00	500.00	.....	.....	500.00	.....	218.00
905	3	No...	108.00	215.94	531.15	855.09	606.00	.....	90.00	756.00	.....	99.09
906	6	No...	48.00	207.20	135.00	390.20	300.00	.....	25.00	325.00	.....	65.20
907	7	No...	84.00	318.58	514.44	917.02	900.00	.....	.....	900.00	.....	17.02
908	2	No...	96.00	195.00	328.50	619.50	750.00	.....	.....	750.00	130.50	.....
909	5	Yes...	.....	240.00	274.24	514.24	442.75	.....	.....	442.75	.....	71.49
910	3	No...	60.00	360.00	238.00	648.00	414.00	.....	.....	414.00	.....	234.00
911	9	No...	96.00	600.00	395.00	1,091.00	496.65	.....	768.00	1,264.65	173.65	.....
912	2	No...	60.00	240.00	435.84	735.84	1,060.00	.....	.....	1,060.00	324.16	.....
913	3	No...	48.00	240.00	190.34	478.34	550.90	.....	.....	550.90	372.56	.....

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
914	6	Yes..	.....	\$420.00	\$305.80	\$725.80	\$578.00	.....	.....	\$578.00	.....	\$147.80
915	6	Yes..	.....	480.00	248.80	728.80	452.60	.....	.....	843.60	\$114.80	.....
916	4	No..	\$48.00	148.00	150.75	346.75	350.00	.....	\$354.00	350.00	3.26	.....
917	6	Yes..	.....	236.00	271.12	507.12	425.00	.....	.....	425.00	.....	82.12
918	4	Yes..	.....	200.00	203.00	403.00	250.00	\$150.00	.....	400.00	.....	3.00
919	7	No..	48.00	192.00	144.25	384.25	375.00	.....	.....	375.00	.....	9.25
920	5	No..	48.00	180.50	203.50	432.00	400.00	.....	.....	400.00	.....	32.00
921	7	Yes..	.....	336.00	228.70	564.70	576.00	.....	.....	570.00	11.30	.....
922	8	No..	108.00	437.90	671.50	1,217.40	1,800.00	.....	.....	1,800.00	582.60	.....
923	3	No..	72.00	489.00	294.50	855.50	775.00	50.00	.....	825.00	.....	30.50
924	4	No..	72.00	220.90	217.50	510.40	500.00	.....	.....	500.00	.....	10.40
925	3	No..	60.00	170.00	266.40	496.40	324.00	.....	25.00	349.00	.....	147.40
926	5	No..	72.00	360.00	234.00	666.00	762.75	.....	.....	762.75	96.75	.....
927	4	Yes..	.....	340.50	614.20	954.70	1,000.00	.....	.....	1,000.00	45.30	.....
928	5	No..	84.00	213.00	213.60	510.60	525.00	.....	.....	525.00	14.40	.....
929	4	No..	144.00	360.00	305.60	809.60	374.00	.....	70.00	444.00	.....	365.60
930	4	No..	120.00	600.00	364.04	1,084.04	625.00	600.00	.....	1,225.00	140.96	.....
931	10	No..	60.00	360.00	249.24	669.24	437.50	200.00	.....	697.50	28.26	.....
932	6	No..	156.00	1,040.00	798.88	1,994.88	2,170.00	.....	.....	2,170.00	175.12	.....
933	8	No..	96.00	840.00	435.44	1,371.44	1,017.25	.....	.....	1,017.25	.....	354.19
934	2	No..	144.00	600.00	432.44	1,176.44	1,200.00	.....	338.00	1,538.00	361.56	.....
935	4	No..	120.00	360.00	208.16	688.16	912.50	.....	.....	912.50	224.34	.....
936	2	No..	84.00	240.00	603.44	927.44	1,085.00	.....	.....	1,085.00	157.50	.....
937	8	No..	150.00	737.60	1,424.88	2,312.48	2,240.00	.....	580.00	2,820.00	507.52	.....
938	7	No..	00.00	426.30	475.50	907.80	1,000.00	.....	.....	1,000.00	2.20	.....
939	3	No..	60.00	181.00	201.45	442.45	540.00	.....	.....	540.00	97.55	.....
940	9	Yes..	.....	571.80	665.00	1,236.80	1,060.00	480.00	.....	1,500.00	323.20	.....
941	6	Yes..	.....	331.00	383.20	764.20	625.00	50.00	.....	675.00	.....	89.20
942	4	No..	120.00	261.20	278.00	759.20	720.00	.....	.....	720.00	.....	39.20
943	5	No..	84.00	274.62	347.08	765.68	700.00	.....	.....	700.00	.....	95.08
944	4	Yes..	.....	371.90	393.00	770.90	1,000.00	.....	.....	1,000.00	229.10	.....
945	2	Yes..	.....	257.89	401.70	659.59	900.00	.....	.....	900.00	240.41	.....
946	4	No..	130.00	245.10	297.00	672.10	690.00	150.00	.....	840.00	167.90	.....
947	4	No..	132.00	217.25	236.50	585.75	630.00	.....	18.00	645.00	59.25	.....
948	2	No..	150.00	233.00	302.00	685.00	786.00	.....	.....	786.00	101.00	.....
949	2	Yes..	.....	214.00	258.75	472.75	840.00	.....	.....	840.00	367.25	.....
950	3	No..	144.00	235.95	363.00	742.95	900.00	.....	.....	900.00	157.05	.....
951	7	No..	156.00	396.65	354.70	907.35	260.00	600.00	.....	860.00	.....	47.35
952	8	No..	91.00	242.35	164.50	497.85	386.20	.....	20.00	406.20	.....	91.65
953	7	No..	84.00	317.60	211.50	613.10	496.00	06.00	.....	562.00	.....	51.10
954	7	No..	108.00	329.24	241.00	678.24	432.00	224.00	.....	656.00	.....	22.24
955	12	No..	78.00	397.61	307.50	843.11	275.00	445.60	96.00	816.60	.....	26.31
956	3	No..	60.00	184.50	340.00	690.50	560.00	.....	.....	560.00	.....	30.50
957	10	No..	96.00	310.20	263.50	669.70	360.00	295.00	.....	655.00	.....	14.70
958	6	No..	84.00	285.24	162.50	531.74	290.00	150.00	32.00	472.00	.....	59.74
959	8	No..	108.00	485.60	447.00	1,040.00	620.00	600.00	120.00	1,340.00	299.40	.....
960	4	No..	66.00	201.23	240.90	508.13	520.00	.....	.....	520.00	11.87	.....
961	10	No..	123.50	403.30	312.00	839.40	350.00	327.00	.....	677.00	.....	162.40
962	3	No..	132.00	244.31	183.00	559.31	200.00	.....	160.00	360.00	.....	199.31
963	4	No..	78.00	225.35	220.00	523.35	595.00	.....	25.00	620.00	96.65	.....
964	10	No..	84.00	344.90	372.60	801.50	250.00	600.00	.....	856.00	54.50	.....
965	6	No..	82.50	250.30	168.50	501.30	250.00	.....	20.00	270.00	.....	231.30
966	4	No..	104.00	210.90	133.00	447.90	220.00	00.00	168.00	448.00	.....	.....
967	4	No..	60.00	229.90	228.80	518.70	270.00	260.00	.....	530.00	11.80	.....
968	7	No..	84.00	285.20	236.50	605.70	450.00	180.00	.....	630.00	24.30	.....
969	8	No..	78.00	329.35	375.92	783.27	337.50	350.00	.....	687.50	.....	95.77
970	11	No..	91.00	668.30	553.00	1,312.30	150.00	1,180.00	.....	1,330.00	17.70	.....
971	6	No..	110.50	199.80	170.00	480.30	479.20	.....	.....	479.20	.....	7.10
972	7	No..	84.00	455.85	334.19	873.95	160.00	425.00	312.00	897.00	23.05	.....
973	10	No..	78.00	328.40	318.70	725.10	280.00	310.00	.....	590.00	.....	135.10
974	5	No..	91.00	200.25	177.60	468.85	300.00	.....	30.00	390.00	.....	78.85
975	10	No..	75.00	489.00	481.70	1,046.30	480.00	440.00	.....	920.00	.....	126.36
976	10	No..	48.00	386.96	400.00	834.96	350.00	450.00	.....	800.00	.....	34.96
977	6	No..	06.00	496.88	537.80	1,100.68	700.00	714.00	144.00	1,558.00	457.32	.....
978	12	No..	84.00	499.03	504.00	1,177.03	275.00	532.00	160.00	967.00	.....	210.03
979	6	No..	130.00	349.16	358.90	838.00	430.00	240.00	210.00	910.00	76.94	.....
980	4	No..	60.00	167.50	144.30	371.80	320.00	.....	12.00	332.00	.....	39.80
981	5	No..	72.00	253.35	100.30	425.65	430.00	130.00	.....	430.00	4.35	.....
982	4	No..	120.00	233.98	232.90	586.88	230.00	288.00	.....	518.00	.....	68.88
983	2	No..	120.00	170.45	202.30	492.75	550.00	.....	.....	550.00	57.25	.....
984	4	No..	84.00	232.25	167.99	474.13	480.00	.....	.....	480.00	5.85	.....
985	4	No..	150.00	312.93	243.55	706.48	720.00	.....	.....	720.00	13.52	.....
986	8	No..	52.00	248.65	210.50	511.15	300.00	130.00	.....	430.00	.....	81.15
987	4	Yes..	.....	223.20	197.09	420.29	530.00	.....	.....	530.00	109.71	.....
988	6	Yes..	.....	174.90	453.93	628.83	662.50	.....	.....	662.50	33.67	.....



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
989	2	No...	\$36.00	\$200.15	\$220.51	\$456.66	\$710.00			\$710.00	\$253.34	
990	2	No...	72.00	149.34	146.50	367.84	297.50			297.50		\$70.34
991	2	No...	120.00	144.30	297.91	562.21	531.00			531.00		31.21
992	5	No...	100.00	290.82	332.00	722.82	1,016.00			1,016.00	293.18	
993	3	No...	84.00	152.18	343.40	579.58	452.50			452.50		127.08
994	9	No...	84.00	231.15	215.97	531.12	510.00			510.00		21.12
995	4	No...	84.00	140.76	258.00	482.76	470.00			470.00		12.76
996	3	Yes...		172.75	257.57	430.32	650.50			650.50	220.18	
997	4	Yes...		202.03	188.86	390.89	768.50			768.50	377.61	
998	9	No...	72.00	520.83	488.80	1,081.63	1,452.00	\$133.50	\$252.00	1,837.50	755.87	
999	6	Yes...		241.60	235.16	476.76	228.00	229.50		457.50		19.26
1000	5	Yes...		265.65	165.85	431.50	298.50		350.00	648.50	217.00	
1001	5	No...	99.00	213.98	428.50	741.48	631.50			631.50		109.98
1002	2	Yes...		145.30	128.57	273.87	434.00			434.00	160.13	
1003	4	Yes...		213.12	371.17	584.29	920.00		96.00	1,016.00	431.71	
1004	5	No...	84.00	17.64	188.40	400.04	402.00			402.00	1.96	
1005	3	No...	72.00	218.04	131.27	421.31	432.50			432.50	11.19	
1006	2	No...	60.00	178.17	96.10	334.27	376.39			376.39	42.12	
1007	2	Yes...		162.62	344.98	507.60	520.91			520.91	13.31	
1008	8	No...	60.00	268.39	334.02	662.41	459.66	135.00		594.66		67.75
1009	3	No...	84.00	214.11	386.60	684.71	769.01			769.01	84.30	
1010	3	Yes...		251.60	365.33	616.93	920.00			920.00	303.07	
1011	6	Yes...		293.00	309.05	602.05	596.50	170.00		760.50	158.45	
1012	3	Yes...		269.84	433.48	703.32	790.00		160.00	950.00	246.68	
1013	6	Yes...		250.44	355.90	606.34	557.50	75.00	205.00	837.50	231.16	
1014	4	No...	72.00	190.79	156.00	418.79	425.00			425.00	6.21	
1015	6	No...	60.00	149.70	177.25	386.95	349.50			349.50		37.45
1016	5	No...	84.00	265.66	226.50	576.16	588.65			588.65	12.49	
1017	8	No...	60.00	194.71	106.15	360.86	387.00			387.00	26.14	
1018	2	No...	75.00	218.45	413.10	706.55	752.50			752.50	45.95	
1019	5	Yes...		280.24	534.76	815.00	669.50			669.50		145.50
1020	4	No...	96.00	269.86	427.30	793.16	796.50			796.50	3.34	
1021	2	No...	103.00	238.77	562.85	909.62	912.80			912.80	3.18	
1022	2	No...	72.00	238.33	305.10	615.43	612.50			612.50		2.93
1023	8	No...	48.00	153.84	134.20	336.04	246.00		38.00	284.00		52.04
1024	4	Yes...		157.30	131.25	288.55	279.50			279.50		9.05
1025	4	Yes...		310.65	504.50	815.15	850.00			850.00	34.85	
1026	6	No...	120.00	255.00	585.00	960.00	960.00			960.00		
1027	7	Yes...		301.00	659.50	960.50	1,300.00			1,300.00	339.50	
1028	4	No...	84.00	350.20	438.86	883.06	1,108.48			1,108.48	225.42	
1029	3	Yes...		276.40	555.25	831.65	1,000.00			1,000.00	168.35	
1030	4	No...	96.00	154.00	181.90	431.90	315.00			315.00		116.90
1031	3	No...	84.00	210.50	452.00	746.50	700.00			700.00		46.50
1032	4	Yes...		158.06	306.30	464.36	2,184.00			2,184.00	1,719.64	
1033	8	No...	84.00	313.62	383.59	781.21	438.80	288.00		726.80		54.41
1034	8	Yes...		269.91	480.99	750.90	1,248.00			1,248.00	497.10	
1035	10	Yes...		250.84	248.12	498.96	436.80	245.00		631.80	132.84	
1036	3	Yes...		339.80	1,429.00	1,768.80	4,500.00			4,500.00	2,731.20	
1037	3	Yes...		207.48	282.00	489.48	1,500.00			1,500.00	1,010.52	
1038	2	Yes...		177.33	316.48	493.81	550.00			550.00	56.19	
1039	3	No...	84.00	145.03	257.60	486.63	675.00			675.00	188.37	
1040	3	No...	120.00	183.21	301.25	604.46	624.00			624.00	19.54	
1041	5	No...	180.00	374.70	767.49	1,322.19	1,200.00			1,200.00		122.19
1042	9	No...	120.00	387.80	420.20	928.00	936.00		234.00	1,170.00	242.00	
1043	5	No...	120.00	209.83	204.90	534.73	480.00	120.00		600.00	65.27	
1044	9	No...	132.00	298.53	513.55	944.08	1,080.00			1,080.00	135.92	
1045	3	No...	72.00	224.23	248.65	544.88	702.00			702.00	157.12	
1046	3	No...	120.00	158.38	256.80	535.18	650.00	260.00		910.00	374.82	
1047	4	Yes...		231.66	420.45	652.11	1,400.00			1,400.00	747.89	
1048	3	Yes...		165.91	377.80	543.71	2,400.00		350.00	2,750.00	2,066.29	
1049	3	No...	72.00	111.96	99.44	283.40	280.00			280.00		3.40
1050	5	Yes...		152.10	100.21	252.31	253.85			253.85	1.54	
1051	5	No...	84.00	209.80	136.80	430.60	380.75			380.75		49.85
1052	3	No...	60.00	199.70	173.88	433.58	225.00	50.00	100.00	375.00		58.58
1053	7	No...	96.00	239.80	263.00	598.80	500.00			500.00		98.80
1054	6	Yes...		520.00	934.00	1,454.00	625.00	825.00	360.00	1,810.00	356.00	
1055	4	Yes...		177.10	269.08	446.18	450.00			450.00	3.82	
1056	4	Yes...		241.20	323.50	564.70	750.00			750.00	185.30	
1057	5	No...	60.00	189.46	123.80	373.26	325.00			325.00		48.26
1058	5	No...	120.00	302.30	283.90	706.20	1,320.00		384.00	1,704.00	997.80	
1059	5	No...	122.00	319.47	114.65	556.12	626.00		384.00	1,010.00	453.88	
1060	9	No...	72.00	238.68	40.55	741.24	750.00			750.00	8.76	
1061	3	No...	60.00	293.51	278.26	541.77	750.00			750.00	208.23	
1062	5	No...	108.00	325.49	349.70	783.19	825.00			825.00	41.81	

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own houso.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
1063	2	No...	\$72.00	\$176.09	\$147.55	\$395.64	\$546.00			\$546.00	\$150.36	
1064	3	Yes...		328.07	1,591.00	1,919.07	2,250.00			2,250.00	330.93	
1065	7	Yes...		320.10	954.65	1,274.75	2,040.00		\$156.00	2,196.00	921.25	
1066	2	Yes...		195.90	256.10	452.00	689.50			689.50	237.50	
1067	9	No...	66.00	166.83	160.35	393.18	336.50		72.50	409.00	15.82	
1068	2	No...	Free.	198.85	341.00	539.85	1,125.50			1,125.50	585.65	
1069	2	No...	84.00	153.59	145.80	383.39	421.20			421.20	37.81	
1070	7	Yes...		159.65	217.60	377.25	430.01			430.01	52.76	
1071	7	Yes...		221.42	282.09	503.51	528.43			528.43	24.91	
1072	8	Yes...		476.07	454.04	930.11	1,716.00	\$208.00	312.00	2,236.00	1,305.89	
1073	3	No...	49.00	140.45	90.92	279.37	380.00			380.00	100.63	
1074	9	Yes...		348.23	664.48	1,012.71	2,563.60			2,563.60	1,550.89	
1075	3	No...	84.00	213.75	247.72	545.47	1,176.60			1,176.60	631.13	
1076	4	No...	70.00	223.89	457.00	750.89	1,450.00			1,450.00	699.11	
1077	4	No...	144.00	275.52	299.66	719.18	780.00			780.00	60.82	
1078	4	No...	72.00	218.95	118.80	409.75	421.20			421.20	11.45	
1079	5	No...	144.00	348.61	458.85	951.46	1,200.00		280.00	1,480.00	528.54	
1080	6	Yes...		343.10	278.00	621.10	700.00			700.00	78.90	
1081	4	Yes...		109.30	157.50	266.80	243.74		59.00	302.74	35.94	
1082	8	Yes...		197.21	270.65	467.86	547.24			547.24	79.38	
1083	8	Yes...		111.59	135.99	247.58	343.41	51.00		394.41	146.83	
1084	4	No...	120.00	204.10	343.55	667.65	626.00			626.00		\$41.65
1085	4	No...	120.00	323.71	172.90	616.61	1,550.00			1,550.00	933.39	
1086	4	Yes...		166.82	248.23	415.05	525.88			525.88	110.83	
1087	9	Yes...		414.95	1,089.71	1,504.66	1,032.14	470.00		1,502.14	2.52	
1088	7	No...	78.00	221.60	161.98	461.58	357.32			357.32	104.26	
1089	10	No...	120.00	772.92	571.50	1,464.42	750.00	585.00	540.00	1,875.00	410.58	
1090	4	No...	132.00	173.74	249.50	555.24	1,380.00			1,380.00	824.76	
1091	4	No...	96.00	185.44	401.77	683.21	2,000.00			2,000.00	1,316.79	
1092	5	No...	120.00	240.03	644.86	1,004.89	2,142.00		192.00	2,334.00	1,329.11	
1093	8	Yes...		293.46	567.90	861.36	900.00		120.00	1,020.00	158.64	
1094	2	Yes...		174.24	263.00	437.24	1,103.58			1,103.58	666.34	
1095	3	Yes...		211.71	226.89	438.60	1,200.00			1,200.00	761.40	
1096	4	No...	96.00	262.57	226.77	585.34	1,350.00			1,350.00	764.66	
1097	6	No...	108.00	371.76	152.84	632.60	500.00		400.00	900.00	267.40	
1098	3	No...	48.00	168.91	148.99	365.90	468.00			468.00	102.10	
1099	5	No...	120.00	231.64	273.42	625.06	936.00	156.00		1,092.00	466.94	
1100	5	No...	192.00	263.27	572.50	1,027.77	1,080.00			1,080.00	52.23	
1101	4	No...	84.00	192.46	152.54	429.00	550.00			550.00	121.00	
1102	9	No...	96.00	210.30	367.22	673.52	740.00		252.00	992.00	318.48	
1103	4	Yes...		295.83	349.21	645.09	1,420.50		76.00	1,496.50	851.41	
1104	3	Yes...		174.68	226.30	400.98	400.00			400.00		.98
1105	6	No...	60.00	160.00	142.84	362.84	300.00			300.00		62.84
1106	7	Yes...		408.00	363.50	771.50	1,200.00			1,200.00	428.50	
1107	5	Yes...		279.56	243.55	523.11	300.00	168.00		468.00		55.11
1108	3	Yes...		138.30	294.65	432.95	382.50	100.00		482.50	49.55	
1109	8	No...	400.00	578.35	1,038.00	2,016.35	3,000.00		192.00	3,192.00	1,175.65	
1110	3	No...	102.00	278.55	851.05	1,231.60	1,320.00			1,320.00	88.40	
1111	3	Yes...		267.77	460.21	727.98	1,171.69		49.50	1,221.19	493.21	
1112	6	No...	108.00	305.52	354.10	767.62	865.90			865.90	98.28	
1113	5	Yes...		156.54	233.66	390.20	278.50	125.00	30.00	433.50	42.30	
1114	2	No...	72.00	219.12	306.98	658.10	836.25			836.25	178.15	
1115	2	No...	84.00	164.58	682.40	930.98	552.50			552.50		378.48
1116	4	No...	84.00	262.68	225.10	571.78	854.00			854.00	282.22	
1117	4	Yes...		383.45	1,497.39	1,880.84	1,580.50	510.50	75.50	2,166.50	285.66	
1118	10	No...	72.00	328.18	453.45	853.63	839.20		15.10	854.30	.67	
1119	3	No...	60.00	167.44	143.25	370.69	310.50			310.50		60.19
1120	3	No...	60.00	191.95	290.20	542.15	740.20			740.20	198.05	
1121	3	No...	108.00	211.90	380.50	700.40	1,206.00			1,206.00	505.60	
1122	8	No...	120.00	372.32	391.90	884.22	1,391.00			1,391.00	506.78	
1123	6	No...	108.00	250.00	386.75	744.75	704.00			704.00		40.75
1124	4	No...	72.00	196.87	278.47	547.14	640.00			640.00	92.86	
1125	10	No...	96.00	287.50	257.80	641.10	840.00		126.50	966.50	325.40	
1126	3	No...	84.00	183.84	226.37	494.21	620.50			620.50	126.29	
1127	5	No...	120.00	211.82	170.50	502.32	483.60			483.60		18.72
1128	2	No...	96.00	261.46	288.50	645.96	850.00			850.00	204.04	
1129	2	No...	90.00	206.93	151.00	447.93	490.00			490.00	42.07	
1130	2	No...	72.00	236.98	145.50	454.48	499.20			499.20	44.72	
1131	6	No...	96.00	239.37	152.50	487.87	483.60			483.60		4.27
1132	6	No...	90.00	236.12	187.00	513.12	499.20			499.20		13.92
1133	2	No...	75.00	219.43	124.00	418.43	468.00			468.00	49.57	
1134	5	No...	80.00	208.83	172.00	460.83	422.20			422.20		38.63
1135	4	No...	70.00	203.74	205.10	478.84	390.00			390.00		88.84
1136	5	Yes...		288.72	290.18	578.90	514.80			514.80		64.10
1137	2	No...	96.00	229.87	107.50	433.37	483.60			483.60	50.23	
1138	5	No...	96.00	251.02	189.00	536.02	502.00			502.00		34.02



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Budget number.	Number in family.	Own house.	Expenditure for—				Income from—				Surplus.	Deficit.
			Rent.	Food.	All other purposes.	Total.	Husband.	Wife and children.	All other sources.	Total.		
1139	6	No...	\$90.00	\$280.97	\$189.50	\$560.47	\$551.10			\$551.10		\$9.37
1140	3	No...	60.00	238.33	161.00	459.33	486.00			486.00	\$20.62	
1141	3	No...	60.00	243.90	174.10	478.00	468.00			468.00		10.00
1142	3	No...	132.00	336.80	425.20	894.00	1,300.00			1,300.00	406.00	
1143	5	No...	192.00	394.60	718.40	1,305.00	1,500.00			1,500.00	195.00	
1144	5	No...	204.00	412.95	559.05	1,176.00	1,300.00			1,300.00	237.00	
1145	4	No...	120.00	351.60	262.40	734.00	624.00	\$38.00	\$104.00	662.00		72.00
1146	4	No...	216.00	263.20	268.70	747.90	379.50	364.00		743.50		4.40
1147	5	No...	110.50	361.97	216.50	688.97	716.00			716.00	27.03	
1148	3	No...	98.00	345.60	245.50	687.10	715.50			715.50	28.40	
1149	7	No...	264.00	321.84	323.50	909.34	721.65		104.00	825.65		83.69
1150	5	No...	90.00	211.56	184.50	486.06	409.24			409.24		76.82
1151	4	Yes...		398.45	395.60	794.05	918.00			918.00	123.95	
1152	4	No...	186.00	328.87	249.95	764.82	800.00			800.00	35.18	
1153	5	No...	192.00	345.54	316.75	854.29	832.00			832.00		22.29
1154	6	No...	72.00	299.40	184.00	555.46	560.80			560.80	5.34	
1155	4	No...	70.00	241.14	165.00	476.14	445.00			445.00		31.14
1156	4	No...	60.00	241.31	157.00	458.31	433.60			433.60		19.71
1157	2	No...	80.00	220.71	155.50	456.21	436.80			436.80		19.41
1158	3	No...	50.00	216.72	126.80	393.52	436.80			436.80	43.28	
1159	2	No...	68.00	241.01	130.50	439.51	436.80			436.80		2.71
1160	4	No...	60.00	228.28	123.00	411.28	436.80			436.80	25.52	
1161	3	No...	65.00	217.44	122.00	404.44	436.80			436.80	32.36	
1162	6	No...	80.00	335.88	203.00	618.88	642.60			642.60	23.72	
1163	4	No...	50.00	288.34	184.50	522.84	642.60			642.60	119.76	
1164	7	No...	75.00	346.46	214.00	635.46	640.00			640.00	4.54	
1165	4	No...	96.00	297.51	183.00	576.51	892.50			892.50	315.99	
1166	4	No...	84.00	297.15	238.25	619.40	862.50			862.50	245.10	
1167	6	No...	84.00	358.87	231.50	674.07	875.00			875.00	200.93	
1168	5	No...	84.00	310.40	201.50	595.90	875.00			875.00	279.10	
1169	3	No...	48.00	225.02	156.00	429.02	429.75			429.75		8.27
1170	6	No...	68.00	224.15	162.50	454.65	425.00			425.00		29.65
1171	3	No...	112.75	283.29	206.00	602.04	650.50			650.50	48.36	
1172	5	No...	120.00	282.85	260.50	663.35	624.00			624.00		39.35
1173	3	No...	192.00	325.99	386.25	904.24	800.00			800.00		104.24
1174	7	No...	240.00	461.10	440.00	1,141.10	750.00	405.60		1,155.60	14.50	
1175	3	No...	240.00	346.15	334.85	921.00	936.00			936.00	15.00	
1176	4	No...	166.00	290.15	266.65	722.80	300.00	416.00		806.00	83.20	
1177	6	No...	240.00	345.20	272.75	857.95	800.00		182.00	982.00	124.05	
1178	5	No...	240.00	344.45	279.25	863.70	714.00		101.00	818.00		45.70
1179	5	No...	172.00	329.72	308.10	809.82	833.50			833.50	23.68	
1180	5	Yes...		304.87	589.80	894.67	816.00			816.00		78.67
1181	5	No...	108.00	258.00	257.16	623.16	750.00			750.00	126.84	
1182	2	No...	120.00	345.00	275.50	740.50	868.00			868.00	127.50	
1183	3	No...	180.00	236.00	444.75	860.75	905.00			905.00	44.25	
1184	3	No...	120.00	198.05	925.00	1,243.05	1,975.00			1,975.00	731.95	
1185	5	Yes...		286.05	664.50	950.55	1,950.00			1,950.00	999.45	
1186	7	No...	120.00	400.00	383.10	903.10	935.00		150.00	1,085.00	181.90	
1187	5	No...	120.00	205.75	267.25	593.00	755.00			755.00	162.00	
1188	7	No...	90.00	330.32	243.50	603.82	875.00			875.00	211.18	
1189	5	No...	98.00	258.48	321.50	677.98	640.00			640.00		37.98
1190	5	No...	96.00	201.30	149.20	446.50	397.80			397.80		48.70
1191	4	No...	108.00	259.00	193.00	560.00	750.00			750.00	190.00	
1192	6	No...	120.00	296.75	270.20	686.95	750.00			750.00	63.05	
1193	5	No...	126.00	236.07	260.20	622.27	670.00			670.00		47.73
1194	4	No...	60.00	221.96	152.50	434.46	442.00			442.00		7.54
1195	7	No...	165.00	386.30	348.00	899.30	1,140.00			1,140.00	240.70	
1196	3	No...	96.00	239.02	214.00	549.92	570.00			570.00	20.08	
1197	4	No...	90.00	197.00	146.00	433.00	500.00			500.00	67.00	
1198	3	No...	75.00	232.08	162.00	469.08	570.00			570.00	100.92	
1199	3	No...	75.00	234.52	166.00	475.52	570.00			570.00	94.48	
1200	5	No...	72.00	219.13	168.00	459.13	428.40			428.40		30.73
1201	2	No...	90.00	230.69	110.00	430.69	420.00			420.00		10.69
1202	3	No...	96.00	198.37	177.00	471.37	563.00			563.00	88.63	
1203	5	No...	84.00	220.50	162.25	466.75	397.80			397.80		68.95
1204	2	No...	72.00	228.16	111.20	409.36	405.60			405.60		3.76
1205	2	No...	60.00	230.07	105.00	395.07	390.00			390.00		5.07
1206	6	No...	125.00	294.73	251.50	671.23	675.00			675.00	3.77	
1207	4	No...	120.00	232.00	160.00	512.00	687.50			687.50	175.50	
1208	7	No...	96.00	315.29	228.50	639.79	701.25			701.25	63.46	
1209	6	No...	144.00	314.99	255.50	714.49	736.00			736.00	21.51	
1210	3	No...	60.00	222.53	160.50	443.03	443.70			443.70		67
1211	4	No...	132.00	328.04	300.75	760.79	800.00			800.00	39.21	
1212	5	No...	100.00	282.58	218.50	601.08	750.00			750.00	148.92	
1213	6	No...	132.00	294.28	218.50	644.78	622.50			622.50		22.28



TABLE XXIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
1214	5	No...	\$96.00	\$227.95	\$199.00	\$522.95	\$533.00	.....	.....	\$533.00	\$10.05	.....
1215	3	No...	103.00	256.88	180.50	540.38	612.50	.....	.....	612.50	67.12	.....
1216	3	No...	100.00	229.60	209.00	538.60	586.50	.....	.....	586.50	47.90	.....
1217	2	No...	180.00	316.45	240.75	737.20	624.00	.....	.....	624.00	.....	\$113.20
1218	3	No...	97.00	356.51	210.73	664.26	612.00	.....	.....	612.00	.....	52.26
1219	3	No...	113.50	280.96	288.50	682.96	800.00	.....	.....	800.00	117.04	.....
1220	4	No...	186.00	303.06	210.75	699.81	715.00	.....	.....	715.00	15.19	.....
1221	4	No...	240.00	331.12	251.50	822.62	572.00	\$260.00	.....	832.00	9.38	.....
1222	5	No...	156.00	341.39	161.25	658.64	675.00	.....	.....	675.00	16.36	.....
1223	4	Yes...	.....	307.25	533.60	840.85	780.00	.....	\$104.00	884.00	43.15	.....
1224	5	No...	220.00	296.82	248.50	765.32	912.50	.....	.....	912.50	147.18	.....
1225	5	No...	200.00	358.32	318.50	876.82	1,100.00	.....	.....	1,100.00	223.18	.....
1226	4	No...	222.00	282.20	219.20	723.40	585.00	.....	208.00	793.00	69.60	.....
1227	3	No...	92.00	207.85	122.50	422.35	383.00	.....	.....	383.00	.....	39.35
1228	7	No...	115.50	313.89	270.50	699.89	386.00	312.00	.....	698.00	.....	1.89
1229	4	No...	172.00	248.52	133.50	554.02	385.00	.....	208.00	593.00	38.98	.....
1230	2	No...	123.00	249.18	184.25	556.43	405.60	.....	.....	405.60	.....	150.83
1231	5	No...	216.00	309.38	166.00	691.38	375.00	182.00	188.50	745.50	54.12	.....
1232	4	No...	125.00	262.49	187.25	574.74	721.65	.....	.....	721.65	146.91	.....
1233	4	No...	130.00	261.10	256.50	647.60	707.50	.....	.....	707.50	59.90	.....
1234	7	No...	300.00	419.97	425.00	1,144.97	714.00	401.37	.....	1,115.37	.....	29.60
1235	6	No...	123.00	319.88	209.75	652.63	714.00	.....	.....	714.00	61.37	.....
1236	4	Yes...	.....	183.70	555.40	744.10	735.80	.....	.....	735.80	.....	8.30
1237	8	No...	261.00	443.87	409.50	1,117.37	707.50	408.00	.....	1,115.50	.....	1.87
1238	5	No...	120.00	388.52	237.25	745.77	707.50	.....	.....	707.50	.....	38.27
1239	2	No...	166.00	311.83	244.50	722.33	707.50	.....	.....	707.50	.....	14.83
1240	2	Yes...	.....	322.83	280.00	602.83	832.00	.....	.....	832.00	229.17	.....
1241	6	No...	240.00	388.75	252.00	880.75	816.00	.....	260.00	1,076.00	195.25	.....
1242	4	No...	216.00	367.85	261.00	844.85	832.00	.....	.....	832.00	.....	12.85
1243	6	Yes...	.....	446.83	747.25	1,194.13	980.00	312.00	.....	1,292.00	07.87	.....
1244	7	No...	216.00	425.09	295.65	936.74	1,040.00	.....	.....	1,040.00	103.26	.....
1245	7	No...	216.00	417.55	343.60	977.15	900.00	.....	364.00	1,264.00	286.85	.....
1246	5	No...	216.00	371.33	270.00	857.33	1,000.00	.....	.....	1,000.00	142.67	.....
1247	5	No...	240.00	387.98	274.75	902.73	1,000.00	.....	.....	1,000.00	97.27	.....
1248	8	No...	261.00	544.75	349.00	1,154.75	1,100.00	.....	.....	1,100.00	.....	57.75
1249	2	No...	240.00	356.27	221.00	817.27	800.00	.....	.....	800.00	.....	17.27
1250	5	No...	110.00	261.50	207.50	579.00	637.00	.....	.....	637.00	58.00	.....
1251	3	Yes...	.....	284.12	335.75	619.87	1,000.00	.....	.....	1,000.00	380.13	.....
1252	3	No...	96.00	255.57	165.50	517.07	535.50	.....	.....	535.50	18.43	.....
1253	4	No...	110.00	271.72	182.00	563.72	624.00	.....	.....	624.00	60.28	.....
1254	5	No...	54.00	273.99	233.80	561.79	570.75	.....	.....	570.75	8.96	.....
1255	3	No...	54.00	205.70	221.43	481.13	430.00	.....	.....	430.00	.....	1.13
1256	2	No...	46.20	122.30	187.85	356.35	361.40	.....	.....	361.40	5.05	.....
1257	8	Yes...	.....	272.00	438.95	710.95	357.50	156.00	210.00	732.50	21.55	.....
1258	6	No...	72.00	179.75	205.90	457.65	460.84	.....	.....	460.84	3.19	.....
1259	4	No...	81.00	245.96	320.15	650.11	845.00	.....	.....	845.00	194.89	.....
1260	5	No...	60.00	238.16	147.00	445.16	450.60	.....	.....	450.60	5.44	.....
1261	5	No...	70.00	256.69	172.00	498.69	515.50	.....	.....	515.50	16.81	.....
1262	6	No...	84.00	233.68	180.50	498.18	452.00	.....	.....	452.00	.....	46.18
1263	4	No...	65.00	234.73	173.50	473.23	460.00	.....	.....	460.00	.....	13.23
1264	5	No...	75.00	236.98	196.50	508.48	475.00	.....	.....	475.00	.....	33.48
1265	3	No...	60.00	205.28	123.00	388.28	435.50	.....	.....	435.50	47.22	.....
1266	2	No...	55.00	219.32	130.00	404.32	436.80	.....	.....	436.80	32.48	.....
1267	3	No...	60.00	228.77	179.00	465.77	450.30	.....	.....	450.30	.....	15.47
1268	7	No...	90.00	365.21	221.50	676.71	860.00	.....	.....	860.00	183.29	.....
1269	2	No...	75.00	213.57	170.50	459.07	433.60	.....	.....	433.60	24.53	.....
1270	3	No...	80.00	230.89	147.30	458.19	530.40	.....	.....	530.40	72.21	.....
1271	3	No...	90.00	241.46	143.50	474.96	481.00	.....	.....	481.00	6.04	.....
1272	4	No...	90.00	254.77	186.00	530.77	696.80	.....	.....	696.80	166.03	.....
1273	3	Yes...	.....	358.02	816.09	1,174.11	1,178.50	.....	.....	1,178.50	4.39	.....
1274	5	No...	180.00	352.20	492.80	1,025.00	1,500.00	.....	.....	1,500.00	475.00	.....
1275	2	Yes...	.....	254.48	234.25	488.73	645.00	.....	.....	645.00	156.27	.....
1276	5	No...	75.00	243.66	171.50	490.16	525.00	.....	.....	525.00	34.84	.....
1277	6	No...	50.00	204.67	155.00	409.67	436.80	.....	.....	436.80	.....	32.87
1278	6	No...	72.00	309.10	187.50	568.60	642.60	.....	.....	642.60	74.00	.....
1279	7	No...	90.00	332.84	168.00	590.84	627.70	.....	.....	627.70	.....	63.14
1280	3	No...	240.00	333.38	240.00	813.38	816.00	.....	.....	816.00	.....	47.38
1281	4	No...	216.00	337.60	187.00	740.60	728.00	.....	.....	728.00	.....	12.00
1282	4	Yes...	.....	511.50	360.25	871.75	1,040.00	.....	.....	1,040.00	168.25	.....
1283	2	No...	120.00	244.06	101.50	465.56	390.00	.....	.....	390.00	.....	75.56
1284	5	No...	144.00	293.83	345.25	783.10	1,125.60	.....	.....	1,125.60	342.50	.....
1285	6	Yes...	.....	216.93	247.23	464.20	615.00	.....	.....	615.00	150.80	.....
1286	3	Yes...	.....	221.75	606.50	828.25	1,258.75	.....	.....	1,258.75	430.50	.....
1287	4	No...	120.00	164.30	243.15	527.45	612.00	.....	.....	612.00	79.55	.....
1288	5	No...	204.00	409.67	329.50	943.17	780.00	350.00	.....	1,130.00	186.83	.....
1289	8	Yes...	.....	479.22	696.85	1,176.07	1,030.75	.....	.....	1,030.75	.....	145.32

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
1290	3	No...	\$120.00	\$313.95	\$264.25	\$698.20	\$386.00	\$410.00	.....	\$796.00	\$97.80	.....
1291	5	No...	112.00	274.27	170.50	556.77	360.50	175.00	.....	535.50	.....	\$21.27
1292	3	No...	60.00	220.35	145.50	425.85	438.50	.....	.....	438.50	12.65	.....
1293	4	No...	144.00	393.32	176.50	715.82	707.00	.....	.....	707.00	.....	8.82
1294	7	No...	96.00	292.83	175.75	564.58	728.00	.....	.....	728.00	163.42	.....
1295	8	No...	100.00	332.90	260.50	693.40	980.88	.....	.....	980.88	287.48	.....
1296	6	No...	103.00	269.65	194.00	571.65	592.80	.....	.....	592.80	21.15	.....
1297	6	No...	90.00	259.03	168.00	517.03	520.00	.....	.....	520.00	2.97	.....
1298	3	No...	96.00	243.75	181.50	521.25	490.00	.....	.....	490.00	.....	31.25
1299	4	No...	96.00	239.65	153.50	489.15	490.00	.....	.....	490.00	.85	.....
1300	5	Yes...	.....	311.27	629.70	940.97	880.00	.....	\$156.00	1,036.00	95.03	.....
1301	2	No...	56.00	235.11	150.40	441.51	378.50	.....	100.00	478.50	36.99	.....
1302	5	No...	156.60	279.05	219.00	654.65	850.00	.....	.....	850.00	.....	4.65
1303	2	No...	166.00	304.99	202.25	673.24	707.50	.....	.....	707.50	34.26	.....
1304	6	No...	84.00	276.24	386.05	746.29	1,050.00	.....	.....	1,050.00	303.71	.....
1305	4	No...	166.00	311.59	264.50	742.09	624.00	.....	156.00	780.00	37.91	.....
1306	3	No...	96.00	232.20	109.75	447.95	396.50	.....	.....	396.50	.....	51.45
1307	6	No...	108.00	244.89	165.50	518.39	750.00	.....	.....	750.00	231.61	.....
1308	2	No...	110.00	227.00	188.00	525.00	750.00	.....	.....	750.00	225.00	.....
1309	2	No...	60.00	242.87	173.00	475.87	496.00	.....	.....	496.00	20.13	.....
1310	8	No...	132.00	332.92	244.80	709.72	816.00	.....	.....	816.00	103.28	.....
1311	2	No...	75.00	265.42	164.30	504.72	800.00	.....	.....	800.00	295.28	.....
1312	6	No...	216.00	322.79	218.00	756.79	816.00	.....	.....	816.00	59.21	.....
1313	5	No...	240.00	311.15	251.10	802.25	800.00	.....	.....	800.00	.....	2.25
1314	4	No...	136.00	359.61	269.35	765.46	800.00	.....	.....	800.00	34.54	.....
1315	5	No...	240.00	400.35	268.70	909.05	750.00	.....	156.00	906.00	.....	3.05
1316	2	No...	99.00	238.32	164.00	501.32	387.60	.....	.....	387.60	.....	113.72
1317	6	No...	240.00	481.98	319.00	1,040.98	390.00	452.40	.....	842.40	.....	198.58
1318	4	No...	192.00	310.83	285.00	787.83	750.00	.....	.....	750.00	.....	37.83
1319	3	No...	56.00	331.91	200.50	588.41	700.00	.....	.....	700.00	111.59	.....
1320	4	No...	216.00	329.48	249.75	795.23	680.00	.....	.....	680.00	.....	115.23
1321	2	No...	96.00	266.48	182.75	545.23	614.00	.....	.....	614.00	68.77	.....
1322	5	No...	48.00	201.40	111.17	360.57	369.90	.....	.....	369.90	9.33	.....
1323	2	No...	60.00	222.97	129.50	412.47	450.50	.....	.....	450.50	38.03	.....
1324	7	No...	96.00	314.12	213.00	623.12	864.75	.....	.....	864.75	241.63	.....
1325	9	No...	60.00	337.17	323.25	720.42	472.50	260.00	50.00	782.50	62.08	.....
1326	2	No...	120.00	246.97	176.50	543.47	691.60	.....	.....	691.60	148.13	.....
1327	5	No...	72.00	271.41	154.00	497.41	483.60	.....	.....	483.60	.....	13.81
1328	4	No...	84.00	216.01	149.00	479.01	483.60	.....	.....	483.60	4.59	.....
1329	2	No...	120.00	213.78	135.30	469.08	514.80	.....	.....	514.80	45.72	.....
1330	3	No...	96.00	183.18	166.60	445.78	483.60	.....	.....	483.60	37.82	.....
1331	4	No...	72.00	231.53	198.00	501.53	483.60	.....	.....	483.60	.....	17.93
1332	2	No...	70.00	235.53	156.50	462.03	509.60	.....	.....	509.60	47.57	.....
1333	6	No...	80.00	259.70	197.50	537.20	520.00	.....	.....	520.00	.....	17.20
1334	3	No...	180.00	382.50	297.50	860.00	960.00	.....	225.00	1,185.00	325.00	.....
1335	3	No...	120.00	314.57	203.50	638.07	663.00	.....	.....	663.00	24.93	.....
1336	4	No...	50.00	264.60	180.00	494.60	446.76	.....	.....	446.76	.....	47.84
1337	5	No...	60.00	255.90	147.00	462.90	436.80	.....	.....	436.80	.....	26.10
1338	2	No...	60.00	211.93	129.00	400.93	436.80	.....	.....	436.80	35.87	.....
1339	2	No...	60.00	261.26	136.00	457.26	420.75	.....	.....	420.75	.....	36.51
1340	2	No...	75.00	261.80	132.75	469.55	390.00	.....	.....	390.00	.....	79.55
1341	6	No...	173.50	379.18	290.50	843.18	721.65	.....	.....	721.65	.....	121.53
1342	4	No...	216.00	351.76	279.00	846.76	800.00	.....	.....	800.00	.....	46.76
1343	4	No...	244.00	294.00	390.50	928.50	1,625.00	.....	.....	1,625.00	696.50	.....
1344	5	Yes...	.....	319.00	592.50	911.50	1,960.00	.....	.....	1,960.00	1,048.50	.....
1345	5	No...	204.00	320.50	385.10	909.60	858.00	120.00	.....	978.00	68.40	.....
1346	4	No...	96.00	146.75	300.75	543.50	787.50	.....	.....	787.50	244.00	.....
1347	9	No...	250.00	498.00	424.50	1,172.50	1,175.00	200.00	.....	1,375.00	202.50	.....
1348	7	Yes...	.....	342.45	420.30	762.75	010.00	.....	96.00	1,006.00	243.25	.....
1349	2	No...	65.00	230.68	127.50	423.18	507.50	.....	.....	507.50	84.32	.....
1350	2	No...	60.00	267.17	150.75	436.92	540.00	.....	.....	540.00	103.08	.....
1351	2	No...	96.00	223.05	142.00	461.05	570.00	.....	.....	570.00	108.95	.....
1352	7	No...	144.00	248.80	253.00	645.80	800.00	.....	.....	800.00	154.20	.....
1353	2	No...	120.00	246.30	188.20	554.50	430.00	.....	.....	430.00	.....	124.50
1354	2	No...	96.00	255.97	172.00	523.97	519.00	.....	.....	519.00	.....	4.97
1355	3	No...	132.00	267.80	112.20	512.00	450.00	.....	.....	450.00	.....	62.00
1356	4	No...	144.00	310.53	188.50	643.03	624.00	.....	.....	624.00	.....	19.03
1357	7	No...	192.00	435.19	355.80	982.99	686.40	130.00	.....	816.40	.....	166.59
1358	7	No...	216.00	433.62	498.75	1,148.37	1,248.00	.....	.....	1,248.00	99.63	.....
1359	2	No...	96.00	203.01	153.00	452.01	390.00	.....	.....	390.00	.....	62.01
1360	4	No...	115.00	273.01	138.00	526.01	382.50	.....	182.00	564.50	33.49	.....
1361	3	No...	116.50	271.55	202.00	590.05	700.00	.....	.....	700.00	109.95	.....
1362	2	Yes...	.....	269.87	308.25	578.12	721.00	.....	.....	721.00	142.88	.....
1363	6	No...	210.00	540.64	410.50	1,161.14	784.00	435.00	.....	1,219.00	57.86	.....



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
1364	2	Yes		\$375.40	\$314.75	\$690.15	\$768.00			\$768.00	\$77.85	
1365	2	No	\$192.00	299.03	190.50	681.53	800.00			800.00	118.47	
1366	4	No	168.00	353.62	287.50	809.12	752.16			752.16		\$56.96
1367	3	No	136.50	269.39	231.50	637.39	800.00			800.00	162.61	
1368	15	No	96.00	850.98	713.45	1,660.43	528.00	\$343.20	\$765.00	1,636.20		24.23
1369	4	No	48.00	174.70	175.21	397.91	425.00			425.00	27.09	
1370	9	Yes		331.80	280.80	612.60	616.00			616.00	3.40	
1371	2	No	48.00	198.90	169.84	416.74	418.50			418.50	1.76	
1372	7	No	72.00	675.20	714.85	1,462.05	530.39	1,022.25	60.00	1,612.64	150.59	
1373	7	Yes		334.72	651.95	986.67	1,016.40			1,016.40	29.73	
1374	10	Yes		809.40	1,118.90	1,928.30	621.00	1,795.00		2,416.00	487.70	
1375	7	Yes		529.40	521.65	1,051.05	590.00	643.50		1,233.50	182.45	
1376	8	Yes		439.90	261.32	701.22	386.10	245.70	75.00	706.80	5.58	
1377	11	No	84.00	653.70	630.29	1,367.99	462.00	915.00		1,377.00	9.01	
1378	4	No	48.00	162.70	123.07	333.77	200.20		132.50	332.70		1.07
1379	7	No	54.00	392.70	307.40	754.10	804.00			804.00	49.90	
1380	6	No	60.00	423.35	306.20	789.55	375.00			787.50		2.05
1381	7	No	84.00	260.65	488.56	833.21	600.00	349.65		1,009.65	176.44	
1382	2	Yes		126.55	232.27	408.82	516.00			516.00	107.18	
1383	4	No	60.00	224.18	131.00	415.18	460.00			460.00	44.82	
1384	5	No	70.00	270.08	158.50	498.58	460.00			460.00		38.58
1385	4	No	66.00	236.04	161.00	463.04	438.50			438.50		24.54
1386	5	No	48.00	175.35	141.00	364.35	397.80			397.80	33.45	
1387	4	No	96.00	288.17	140.50	524.67	375.00	150.00		525.00		
1388	5	Yes		205.00	293.05	498.05	575.00			575.00	76.95	
1389	4	No	96.00	262.30	147.50	505.80	375.00	100.00		475.00		30.80
1390	4	No	68.00	234.17	170.00	472.17	382.50	110.00		492.50	20.33	
1391	5	Yes		354.40	774.50	1,128.90	2,100.00			2,100.00	971.10	
1392	4	No	120.00	259.24	188.00	567.24	660.00			660.00	92.76	
1393	2	No	78.00	219.99	114.60	407.59	390.00			390.00		17.59
1394	4	No	192.00	424.58	633.42	1,250.00	1,750.00			1,750.00	500.00	
1395	2	Yes		321.63	213.35	535.00	902.20			902.20	367.20	
1396	2	No	120.00	297.58	207.44	625.00	800.00			800.00	175.00	
1397	8	Yes		421.50	404.00	825.50	852.50	150.00		1,002.50	177.00	
1398	4	No	72.00	216.00	230.25	518.25	492.60			492.60		25.65
1399	7	No	75.00	295.60	262.25	632.85	442.50	156.00		593.50		34.35
1400	8	No	60.00	133.00	112.00	310.00	202.00		48.00	310.00		
1401	5	No	54.00	242.25	154.75	451.00	456.50			456.50	5.50	
1402	4	No	54.00	164.08	176.05	394.13	397.50			397.50	3.37	
1403	8	No	60.00	260.86	209.77	520.63	500.50			500.50		20.13
1404	6	No	126.00	287.15	200.00	613.15	550.00		96.00	646.00	32.85	
1405	2	No	126.00	231.80	201.00	558.80	630.00			630.00	71.20	
1406	5	No	126.00	336.65	228.40	691.05	638.00		144.00	782.00	90.95	
1407	6	No	126.00	202.50	277.90	606.40	640.00		60.00	700.00	93.60	
1408	8	No	144.00	224.62	322.00	690.62	600.00	40.00	144.00	784.00	93.38	
1409	7	No	126.00	159.98	161.80	447.78	470.00		72.00	542.00	94.22	
1410	3	No	60.00	120.60	151.20	331.80	309.00			309.00		22.80
1411	4	No	60.00	85.30	108.50	253.80	230.00			230.00		23.80
1412	3	No	60.00	147.90	155.50	363.40	325.00			325.00		38.40
1413	7	No	60.00	211.75	162.30	434.05	340.00		137.50	477.50	43.45	
1414	3	No	63.00	106.05	185.80	354.85	400.00			400.00	45.15	
1415	2	No	60.00	129.90	164.40	354.30	495.00			495.00	140.70	
1416	2	No	42.00	150.65	175.10	367.75	320.00			320.00		47.75
1417	2	No	66.00	154.00	301.90	521.90	420.00			420.00		101.90
1418	2	No	60.00	114.60	112.80	287.40	290.00			290.00	2.60	
1419	4	No	72.00	151.10	257.05	480.15	525.00			525.00	44.85	
1420	12	No	144.00	316.12	299.50	759.62	325.50		450.00	775.50	15.88	
1421	7	No	72.00	267.44	205.00	544.44	450.00		300.00	750.00	205.56	
1422	2	No	60.00	106.00	89.20	255.20	150.00	130.00		280.00	24.80	
1423	6	No	108.00	315.10	306.20	729.30	531.30	150.00	48.00	729.30		162.50
1424	9	No	144.00	301.15	433.35	878.50	480.00	236.00		716.00		
1425	3	No	60.00	253.20	232.80	546.00	546.00			546.00		
1426	3	No	72.00	165.32	156.00	303.32	263.32	130.00		393.32		
1427	9	Yes		416.90	213.10	630.00	367.50		340.00	647.50	17.50	
1428	7	Yes		418.50	586.50	1,005.00	1,190.46		186.00	1,376.46	371.46	
1429	5	Yes		240.20	234.80	475.00	520.00			520.00		
1430	7	Yes		396.30	513.70	910.00	956.58		197.00	1,153.58	243.58	
1431	8	No	144.00	312.40	358.60	815.00	694.90	20.00		714.90		100.10
1432	3	No	72.00	263.10	464.90	800.00	715.36			715.36		84.64
1433	7	No	133.50	375.65	217.04	726.19	648.52			648.52		77.67
1434	9	Yes		371.60	531.90	903.50	1,128.50			1,128.50	225.00	
1435	4	Yes		188.82	151.50	340.32	340.32			340.32		
1436	8	Yes		385.50	419.40	804.90	742.74			742.74		62.16
1437	9	No	60.00	325.08	249.50	634.58	224.41	374.00		598.41		36.17
1438	8	Yes		319.40	532.00	851.40	663.40	80.00	108.00	851.40		



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
1439	3	No...	\$96.60	\$189.15	\$199.40	\$484.55	\$480.00			\$480.00		\$4.55
1440	6	No...	123.00	245.88	239.20	608.08	622.08			622.08	\$14.60	
1441	6	No...	84.00	202.90	358.10	705.00	603.12		\$10.20	619.32		85.68
1442	7	No...	96.00	291.60	220.60	608.20	676.80			676.80	68.60	
1443	4	Yes...		334.69	497.81	832.50	780.00			832.50		
1444	4	No...	48.00	231.05	200.95	480.00	440.00		20.00	460.00		20.00
1445	6	No...	48.00	169.05	115.38	333.03	233.03	\$100.00		333.03		
1446	4	No...	72.00	215.50	152.44	440.00	313.72			313.72		126.28
1447	2	No...	96.00	222.20	301.80	620.00	520.00	100.00		620.00		
1448	4	No...	180.00	351.22	408.78	940.00	750.00	250.00		1,000.00	66.00	
1449	6	Yes...		338.30	331.70	670.00	324.00		700.00	1,024.00	354.00	
1450	8	No...	60.00	401.40	258.70	720.10	535.00	192.00	24.00	751.60	30.90	
1451	6	No...	108.00	317.80	324.20	750.00	688.77	125.00		813.77	63.77	
1452	7	No...	96.00	276.30	220.30	592.60	204.60	328.00		592.60		
1453	5	No...	132.00	198.50	301.00	631.50	581.50		60.00	641.50	10.00	
1454	4	No...	120.00	241.22	356.80	718.02	523.02		115.00	638.02		80.00
1455	6	Yes...		234.80	252.73	487.53	283.50	180.00		463.50		24.03
1456	6	No...	60.00	247.28	212.40	519.68	432.00			432.00		87.68
1457	6	No...	96.00	231.29	377.80	705.09	650.00	506.00		1,150.00	444.91	
1458	5	No...	132.00	207.90	368.00	797.90	1,440.00			1,440.00	642.10	
1459	7	Yes...		308.40	313.60	622.00	800.00			800.00		
1460	4	No...	160.00	321.71	279.10	760.81	1,134.00			1,134.00	375.19	
1461	3	Yes...		102.06	114.70	276.76	388.75			388.75	111.99	
1462	7	No...	38.60	210.18	123.91	372.69	260.55	275.03		535.58	162.89	
1463	7	No...	46.32	150.74	111.36	308.42	231.60	72.38		303.98		4.44
1464	5	No...	38.60	251.40	382.87	672.87	241.64	587.07		828.71	155.84	
1465	5	No...	40.92	272.79	421.52	735.23	270.56	755.11		1,034.67	299.44	
1466	4	No...	48.25	147.58	221.77	417.60	297.22	361.88		659.10	241.50	
1467	5	No...	48.25	228.31	261.51	538.07	181.42	502.77		684.19	146.12	
1468	8	No...	38.21	275.41	154.66	468.28	347.40	144.75		492.15	23.87	
1469	8	No...	38.21	172.45	136.65	347.31	202.65	115.80		318.45		28.86
1470	5	No...	34.74	116.57	146.95	292.26	217.70		57.90	275.60		16.66
1471	3	No...	25.48	96.84	126.12	242.44	194.54			194.54		47.90
1472	4	No...	19.30	90.79	72.13	182.22	215.19			215.19	32.97	
1473	3	No...	23.16	134.42	116.15	273.73	152.18			152.18		121.55
1474	3	No...	23.16	85.57	82.24	190.97	150.54			150.54		40.43
1475	8	No...	34.74	280.56	214.06	529.36	245.50	219.06		464.56		64.66
1476	5	No...	23.16	92.22	196.28	311.66	231.60			231.60		80.06
1477	9	No...	57.90	382.78	346.67	787.35	300.11	540.41		846.52	53.17	
1478	3	No...	28.95	142.50	108.39	279.93	202.65			202.65		77.28
1479	9	No...	38.60	225.42	241.12	505.14	173.70	373.46		547.16	42.02	
1480	5	No...	16.21	140.75	153.12	310.08	144.75	148.61		293.36		16.72
1481	10	No...	86.85	210.46	188.02	485.33	188.17	57.90	94.57	340.64		144.69
1482	8	No...	25.48	139.65	114.35	276.48	181.23		47.09	228.32		48.16
1483	7	No...	48.25	327.14	357.71	733.10	231.60	535.58		767.18	34.08	
1484	10	No...	23.16	121.96	99.00	244.12	144.75	95.53		240.28		3.84
1485	7	No...	57.90	214.57	151.11	423.58	173.70	65.62		239.32		184.26
1486	4	No...	25.48	67.16	119.27	211.91	210.56			210.56		1.35
1487	6	No...	38.21	100.83	110.59	249.63	173.70			173.70		75.93
1488	6	No...	38.21	181.42	132.00	351.63	144.75	80.85	131.24	362.84	11.21	
1489	7	No...	17.37	156.72	105.18	279.27	293.36	88.78		382.14	102.87	
1490	6	No...	38.21	184.51	127.15	349.87	324.82			324.82		25.05
1491	5	No...	38.00	102.31	178.90	370.90	332.92	181.41		514.33	134.43	
1492	7	No...	37.06	307.80	178.14	523.00	137.42	695.77	38.60	871.79	348.73	
1493	8	No...	57.90	235.20	161.92	455.03	173.70	272.52		446.22		8.81
1494	5	No...	18.53	215.46	130.43	364.42	194.16		60.22	254.38		110.04
1495	5	No...	54.04	266.33	217.10	537.47	120.82	310.42		440.24		97.23
1496	3	No...	23.16	88.01	149.79	260.96	106.86			106.86		64.10
1497	4	No...	25.48	133.45	121.43	280.36	291.43			291.43	11.07	
1498	5	No...	23.16	104.15	89.36	216.67	167.91			167.91		48.76
1499	2	No...	23.16	60.10	80.09	163.35	162.70			162.70		.65
1500	2	No...	37.83	145.18	111.48	294.49	246.08			246.08		48.41
1501	8	No...	39.37	155.58	100.04	354.99	246.65			246.65		2.19
1502	9	No...	41.69	233.52	203.41	478.62	250.90	175.63	106.15	352.80		52.09
1503	4	No...	27.79	101.67	74.25	203.71	178.24			178.24		25.47
1504	7	No...	54.04	143.14	125.25	321.43	203.04		124.29	327.33	5.90	
1505	2	No...	69.48	131.20	132.58	333.26	302.05		19.30	321.35		11.91
1506	3	No...	11.58	124.96	68.75	205.29	173.70			173.70		31.59
1507	7	No...	11.58	93.84	152.32	257.74	192.63			192.03		65.71
1508	6	No...	18.53	200.75	82.46	301.74	240.86			240.86		60.88
1509	3	No...	26.05	78.16	83.76	187.97	224.36	154.40		378.76	190.79	
1510	5	No...	11.58	75.41	91.68	178.67	181.23			181.23	2.56	
1511	9	No...	38.21	266.26	193.68	498.15	173.70	326.38		494.08		4.07
1512	6	No...	19.30	113.84	181.81	314.95	308.80			308.80		6.15
1513	6	No...	33.60	134.29	120.37	293.26	241.64		61.76	303.40	10.14	

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
1514	4	No...	\$34.74	\$126.45	\$111.31	\$272.50	\$181.23	\$100.16	.....	\$281.39	\$8.89	.....
1515	2	Yes.....	.....	103.05	109.53	212.58	220.21	.....	.....	220.21	7.63	.....
1510	5	No...	23.16	114.49	110.41	248.06	202.65	.....	.....	202.65	.....	\$45.41
1517	4	No...	37.06	128.42	130.66	296.14	289.50	.....	.....	289.50	.....	6.04
1518	7	No...	34.74	242.78	149.72	427.24	121.59	318.45	.....	440.04	12.80	.....
1519	8	Yes.....	.....	222.92	265.44	488.30	130.27	381.96	\$104.22	566.45	78.09	.....
1520	3	No...	27.79	89.08	120.93	237.80	157.68	.....	.....	157.68	.....	80.12
1521	2	Yes.....	.....	78.54	81.83	160.37	167.91	.....	.....	167.91	7.54	.....
1522	4	No...	34.74	138.18	102.84	275.76	277.92	.....	.....	277.92	2.16	.....
1523	2	No...	23.16	86.73	52.50	162.39	115.80	57.90	.....	173.70	11.31	.....
1524	7	No...	44.00	212.97	221.04	478.01	197.25	280.81	.....	478.06	.05	.....
1525	6	No...	27.79	171.15	153.65	352.59	289.50	92.64	.....	382.14	29.55	.....
1526	5	Yes.....	.....	144.00	165.99	310.05	115.80	150.53	.....	266.33	.....	43.72
1527	10	No...	37.00	190.51	165.73	392.30	173.70	183.35	40.53	397.58	.....	1.72
1528	6	No...	34.74	232.80	177.68	445.22	289.50	173.70	.....	463.20	17.98	.....
1529	3	No...	32.42	92.82	105.10	230.34	231.60	.....	.....	231.60	1.26	.....
1530	3	No...	34.74	93.87	120.94	249.55	260.55	.....	.....	260.55	11.00	.....
1531	11	No...	60.22	484.43	441.99	986.64	269.50	654.27	40.53	984.30	.....	2.34
1532	4	No...	25.48	127.58	153.27	306.33	121.59	144.75	.....	266.34	.....	39.99
1533	6	No...	41.60	171.97	182.16	395.82	214.86	185.28	.....	400.14	4.32	.....
1534	5	Yes.....	.....	139.06	117.05	256.11	260.55	.....	.....	260.55	4.44	.....
1535	5	No...	11.58	154.58	160.25	326.41	251.87	144.75	.....	396.62	70.21	.....
1536	3	No...	32.42	54.14	128.92	215.48	173.70	.....	48.25	221.95	6.47	.....
1537	4	No...	28.95	252.24	97.16	378.35	444.67	.....	.....	444.67	66.32	.....
1538	9	No...	28.95	172.07	112.50	313.52	333.50	.....	11.58	345.08	31.56	.....
1539	8	No...	57.90	334.08	443.32	835.30	555.81	393.72	.....	949.50	114.26	.....
1540	11	No...	46.32	370.84	441.96	859.12	458.57	889.35	.....	1,347.92	488.80	.....
1541	5	No...	28.95	123.16	161.29	313.40	277.92	.....	.....	277.92	.....	35.48
1542	7	No...	28.95	177.79	202.25	408.99	444.67	.....	.....	444.67	35.68	.....
1543	4	No...	28.95	207.83	226.85	463.63	277.92	305.72	.....	583.64	120.01	.....
1544	4	No...	28.95	166.55	148.55	344.05	264.02	57.90	11.58	333.50	.....	10.55
1545	9	No...	28.95	194.39	261.04	504.38	444.67	138.96	.....	583.63	79.25	.....
1546	7	No...	28.95	160.26	121.58	310.79	264.02	104.22	9.65	377.89	67.10	.....
1547	2	No...	28.95	125.43	167.13	321.51	236.42	.....	57.00	294.32	.....	27.19
1548	8	No...	48.25	322.39	263.03	633.67	579.00	320.38	.....	899.38	265.71	.....
1549	3	No...	28.95	165.30	130.66	330.25	333.50	.....	.....	333.50	3.25	.....
1550	4	No...	28.95	102.28	161.81	293.04	194.54	.....	19.30	213.84	.....	79.20
1551	3	No...	28.95	112.06	158.20	299.21	333.50	.....	57.90	391.40	92.19	.....
1552	3	No...	28.95	153.19	205.14	390.28	361.30	.....	.....	361.30	.....	28.08
1553	4	No...	28.95	87.61	113.13	220.69	250.13	.....	.....	250.13	20.44	.....
1554	7	No...	28.95	223.64	198.01	450.60	444.67	204.58	.....	649.25	198.65	.....
1555	2	No...	23.16	153.08	59.18	235.42	212.30	.....	19.30	231.60	.....	3.82
1556	5	No...	28.95	314.98	222.90	566.83	500.26	333.50	.....	833.76	266.93	.....
1557	6	No...	28.95	240.67	100.69	379.31	333.50	.....	9.65	343.15	.....	36.16
1558	7	No...	19.30	187.83	82.33	289.46	181.42	24.12	.....	205.54	.....	83.92
1559	5	No...	23.16	180.18	131.74	335.08	337.75	.....	.....	337.75	2.67	.....
1560	6	No...	28.95	205.89	180.78	415.62	264.02	250.13	.....	514.15	98.59	.....
1561	7	No...	28.95	238.54	209.73	477.22	347.40	180.05	.....	528.05	50.83	.....
1562	5	No...	28.95	264.93	152.70	446.67	501.80	.....	.....	501.80	55.13	.....
1563	5	No...	28.95	236.23	140.87	466.05	264.02	104.22	47.29	415.53	0.48	.....
1564	5	No...	23.16	149.15	153.70	326.07	402.98	.....	.....	402.98	76.91	.....
1565	6	No...	28.95	166.20	111.20	306.54	236.42	.....	28.95	265.37	.....	41.17
1566	5	No...	28.95	189.91	104.53	323.39	305.71	.....	.....	305.71	.....	17.68
1567	4	No...	23.16	207.73	125.24	356.13	152.86	210.76	.....	303.62	7.49	.....
1568	8	No...	23.16	320.14	152.98	496.28	152.86	333.51	.....	486.37	.....	9.91
1569	2	No...	28.95	213.24	209.06	451.25	337.75	.....	144.75	482.50	31.25	.....
1570	8	No...	48.25	289.96	171.75	509.96	277.92	372.48	.....	650.40	140.44	.....
1571	7	No...	46.32	168.30	235.84	450.46	185.28	338.14	.....	523.42	72.96	.....
1572	4	No...	46.32	170.02	229.18	445.52	521.10	135.10	.....	656.20	210.68	.....
1573	4	No...	28.95	125.18	168.80	322.99	389.09	.....	.....	389.09	66.10	.....
1574	4	No...	28.95	159.52	163.67	351.54	339.09	69.48	67.55	526.12	174.58	.....
1575	2	No...	28.95	80.02	126.40	235.37	222.34	.....	72.37	294.71	50.34	.....
1576	4	No...	28.95	103.53	98.99	236.47	250.13	.....	.....	250.13	13.66	.....
1577	3	No...	17.14	80.59	86.27	190.00	192.78	.....	5.71	198.49	8.49	.....
1578	5	No...	17.14	161.70	73.90	252.74	94.49	.....	171.36	265.85	13.11	.....
1579	4	No...	17.14	158.04	162.21	337.39	295.12	.....	.....	295.12	.....	42.27
1580	8	No...	Free.	179.61	139.32	318.93	321.30	.....	.....	321.30	2.37	.....
1581	3	No...	21.42	110.79	65.83	198.04	182.78	.....	32.13	214.91	16.87	.....
1582	8	No...	28.56	147.59	176.94	353.09	343.91	77.11	.....	421.02	67.93	.....
1583	6	Yes.....	.....	122.87	118.38	241.25	183.97	.....	62.78	246.75	5.50	.....
1584	8	No...	14.28	212.14	295.47	521.89	307.02	.....	214.08	521.70	.....	19
1585	5	No...	28.56	106.64	91.12	226.32	185.64	.....	.....	185.64	.....	40.68
1586	7	No...	14.28	134.19	107.12	255.59	242.76	.....	.....	242.76	.....	12.83
1587	8	No...	Free.	228.23	136.52	364.75	293.03	.....	28.56	322.49	.....	42.26
1588	8	No...	15.71	181.84	144.59	342.14	189.21	99.96	47.12	336.29	.....	5.85



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Budget number.	Number in family.	Own house.	Expenditure for—				Income from—				Surplus.	Deficit.
			Rent.	Food.	All other purposes.	Total.	Husband.	Wife and children.	All other sources.	Total.		
1589	3	No...	\$11.42	\$94.10	\$87.01	\$192.53	\$183.26			\$183.26		\$9.27
1590	10	No...	5.71	187.76	117.93	311.40	309.40			309.40		2.00
1591	5	No...	17.14	151.76	116.43	285.33	264.18			264.18		21.15
1592	7	No...	17.14	232.16	183.59	432.89	311.78	\$85.68	\$5.71	403.17		29.72
1593	4	No...	22.85	132.17	140.98	296.00	202.28			202.28		33.72
1594	10	No...	16.60	149.63	66.20	232.43	226.10			226.10		6.33
1595	5	No...	15.71	103.16	115.30	234.17	236.81			236.81	\$2.64	
1596	4	No...	17.14	143.05	141.57	301.76	263.47		5.71	269.18		32.58
1597	5	No...	17.14	141.27	109.27	267.68	271.32		5.71	277.03	9.35	
1598	5	No...	17.14	81.10	83.03	181.27	204.68			204.68	23.41	
1599	6	No...	60.83	264.15	259.38	584.36	316.32	330.92		647.24	62.88	
1600	9	No...	50.61	244.94	221.91	517.46	389.32	102.19		491.51		25.95
1601	8	No...	68.13	385.72	252.43	706.28	379.59	228.72	164.49	772.80	66.52	
1602	6	No...	69.59	244.59	248.58	562.76	417.54			417.54		145.22
1603	6	No...	56.94	151.04	171.61	379.59	379.59			379.59		
1604	4	No...	66.43	202.25	154.70	423.38	423.38			423.38		
1605	2	No...	66.94	177.62	120.76	355.32	432.14			432.14	76.82	
1606	3	No...	44.28	190.59	166.74	401.61	429.05			429.05	28.34	
1607	3	No...	63.26	230.52	149.24	443.02	408.79		164.49	573.28	130.26	
1608	3	No...	44.28	161.61	90.97	296.86	296.86			296.86		
1609	4	No...	63.26	183.11	153.14	399.51	420.95			420.95	21.44	
1610	5	No...	61.81	212.35	188.15	462.31	316.32	145.99		462.31		
1611	6	No...	50.61	179.16	125.48	355.25	355.25			355.25		
1612	3	No...	56.94	197.49	87.20	341.63	215.10	126.53		341.63		
1613	2	No...	66.43	132.76	86.96	286.15	286.15			286.15		
1614	4	No...	61.81	200.49	121.26	383.56	292.96		50.61	343.57		39.99
1615	3	No...	56.94	129.69	91.85	278.48	265.71			265.71		12.77
1616	2	No...	71.84	135.48	144.34	351.36	351.36			351.36		
1617	5	No...	55.96	240.42	178.89	475.27	316.32	194.66		510.98	35.71	
1618	7	No...	63.26	196.07	111.60	370.93	399.05			399.05	28.12	
1619	9	No...	63.26	284.27	251.10	598.63	467.18	160.59		627.77	29.14	
1620	7	No...	63.26	196.69	182.12	442.97	373.75	75.92		449.67	7.60	
1621	5	No...	37.96	195.97	131.07	365.00	389.32			389.32	24.32	
1622	4	No...	53.77	160.18	128.03	341.98	354.28			354.28	12.30	
1623	2	No...	37.96	155.87	103.01	296.84	303.67			303.67	6.83	
1624	4	No...	56.94	157.52	139.82	354.28	354.28			354.28		
1625	9	No...	69.35	412.37	334.64	816.36	426.65	194.66	189.79	871.10	54.74	
1626	4	No...	69.59	167.07	134.06	370.72	379.59			379.59	8.87	
1627	4	No...	69.59	244.00	124.22	437.81	328.48	11.68	189.73	529.95	92.14	
1628	7	No...	66.43	240.64	180.52	487.59	425.33	63.26		488.59	1.00	
1629	3	No...	58.40	130.42	83.70	272.52	272.52			272.52		
1630	4	No...	56.94	127.58	119.15	303.67	303.67			303.67		
1631	2	No...	63.26	145.69	140.56	349.51	329.85			369.85	20.34	
1632	2	No...	37.96	133.42	101.14	272.52	272.52			272.52		
1633	3	No...	37.96	154.03	111.68	303.67	303.67			303.67		
1634	4	No...	44.28	174.94	163.77	382.99	428.25			428.25	45.25	
1635	2	No...	50.61	145.46	108.92	304.99	328.97			328.97	23.98	
1636	5	No...	56.94	203.68	151.52	412.12	437.98			437.98	25.86	
1637	4	No...	69.59	266.01	215.59	551.19	729.97			729.97	178.78	
1638	4	No...	56.94	199.77	146.62	403.33	457.45			457.45	54.12	
1639	3	No...	56.94	142.43	154.91	354.28	354.28			354.28		
1640	5	No...	63.26	226.46	202.13	491.85	510.00			510.00	18.15	
1641	2	No...	44.28	123.12	171.93	339.33	369.85			369.85	30.52	
1642	8	No...	69.59	307.70	225.98	603.27	471.08			568.41		34.86
1643	3	No...	44.28	144.41	131.55	320.24	413.65	97.33		413.65	93.41	
1644	3	No...	56.94	171.71	110.89	339.54	403.92			403.92	64.38	
1645	9	No...	69.59	389.47	282.33	741.39	626.80	126.53		753.33	11.94	
1646	2	No...	37.96	124.17	103.58	265.71	265.71			265.71		
1647	5	No...	44.28	164.28	93.44	292.00	292.00			292.00		
1648	4	No...	50.61	113.97	101.13	265.71	265.71			265.71		
1649	7	No...	56.94	182.15	147.86	386.95	383.48			383.48		3.47
1650	5	No...	50.61	115.66	101.38	267.65	267.65			267.65		
1651	4	No...	56.94	161.73	147.85	366.52	374.72			374.72	8.20	
1652	2	No...	56.94	131.88	119.63	308.45	334.81			334.81	26.36	
1653	7	No...	69.59	208.66	132.51	410.76	399.05			399.05		11.71
1654	5	No...	53.53	311.28	392.95	757.76	778.64	97.33		875.97	118.21	
1655	7	No...	63.26	297.18	273.98	634.42	778.64			778.64	144.22	
1656	6	No...	38.93	308.95	319.22	667.10	681.31			681.31	14.21	
1657	7	No...	48.66	288.18	330.43	667.27	759.17			759.17	91.90	
1658	6	No...	73.00	321.71	331.17	725.88	802.97	213.99		1,021.96	296.08	
1659	7	No...	73.00	403.83	516.80	993.63	768.91	208.77		977.68		15.95
1660	6	No...	75.92	364.18	185.99	626.09	405.62	328.98		734.60	108.51	
1661	7	No...	63.26	199.12	160.03	422.41	295.88	126.53		422.41		
1662	7	No...	63.26	321.91	393.20	778.37	608.31	194.66		802.97	24.60	
1663	7	No...	48.66	338.90	346.98	734.54	681.31	97.33		778.64	44.10	



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Concluded.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
1664	2	No...	\$48.66	\$195.63	\$398.06	\$642.35	\$729.97	.....	.....	\$729.97	\$87.62	.....
1665	6	No...	48.66	307.00	345.52	701.18	778.64	.....	.....	778.64	77.46	.....
1666	4	No...	38.93	152.81	173.25	364.99	364.99	.....	.....	364.99	.....	.....
1667	5	No...	48.66	298.81	361.57	709.04	778.64	.....	.....	778.64	69.60	.....
1668	4	No...	48.66	139.68	176.65	364.99	364.99	.....	.....	364.99	.....	.....
1669	4	No...	43.80	311.22	361.81	716.83	768.91	.....	.....	768.91	52.08	.....
1670	3	No...	38.93	172.27	156.70	367.90	379.59	.....	.....	379.59	11.69	.....
1671	6	No...	68.13	258.15	335.56	661.84	661.84	.....	.....	661.84	.....	.....
1672	2	No...	53.53	239.50	258.89	551.92	632.64	.....	.....	632.64	80.72	.....
1673	4	No...	48.66	264.74	274.71	588.11	739.71	.....	.....	739.71	151.60	.....
1674	8	No...	50.61	245.75	173.01	469.37	429.22	\$21.90	\$18.25	469.37	.....	.....
1675	5	No...	73.00	364.99	243.33	681.32	339.13	420.94	82.72	842.79	161.47	.....
1676	4	No...	56.94	141.94	130.10	328.98	328.98	.....	.....	328.98	.....	.....
1677	4	No...	48.66	271.62	385.66	705.94	807.84	.....	.....	807.84	101.90	.....
1678	7	No...	53.53	375.68	582.50	1,011.71	583.98	583.98	.....	1,167.93	156.25	.....
1679	5	No...	63.26	347.47	560.85	971.58	632.64	437.99	.....	1,070.63	99.05	.....
1680	9	No...	63.26	341.99	388.35	793.60	798.11	58.40	.....	856.51	62.91	.....
1681	6	No...	48.66	301.00	380.31	729.97	729.97	.....	.....	729.97	.....	.....
1682	6	No...	48.67	345.51	525.59	919.77	681.31	238.46	.....	919.77	.....	.....
1683	5	No...	58.40	273.04	418.51	749.95	778.64	.....	.....	778.64	28.69	.....
1684	6	No...	48.66	299.62	335.78	684.06	807.84	.....	.....	807.84	123.78	.....
1685	5	No...	58.40	355.00	397.07	810.47	729.97	194.66	.....	924.63	114.16	.....
1686	7	No...	43.80	126.62	204.61	375.03	364.99	.....	.....	364.99	.....	\$10.04
1687	5	No...	38.28	128.52	149.52	316.32	316.32	.....	.....	316.32	.....	.....
1688	4	No...	17.20	171.75	197.30	386.25	240.41	151.83	.....	392.24	5.99	.....
1689	3	No...	35.12	174.91	169.55	379.58	218.99	160.59	.....	379.58	.....	.....
1690	3	No...	9.81	141.61	76.61	228.03	164.49	.....	113.88	278.37	50.34	.....
1691	5	No...	19.30	126.53	53.94	199.77	202.45	.....	.....	202.45	2.68	.....
1692	7	No...	69.59	307.80	215.33	592.72	632.64	.....	.....	632.64	39.92	.....
1693	3	No...	50.61	165.26	140.81	356.68	340.65	.....	.....	340.65	.....	16.03
1694	3	No...	44.28	191.27	148.09	383.64	303.67	113.87	.....	417.54	39.90	.....
1695	3	No...	37.96	232.28	164.23	434.47	303.67	151.83	.....	455.50	21.03	.....
1696	3	No...	44.28	136.53	95.12	275.93	303.67	.....	.....	303.67	27.74	.....
1697	4	No...	53.77	135.21	102.04	291.02	291.02	.....	.....	291.02	.....	.....
1698	3	No...	37.96	176.47	123.85	338.28	354.28	.....	.....	354.28	16.00	.....
1699	4	No...	69.59	192.87	128.98	391.44	413.65	.....	.....	413.65	22.21	.....
1700	4	No...	56.94	151.20	118.05	326.85	344.55	.....	.....	344.55	17.70	.....
1701	5	No...	44.28	140.55	117.02	302.75	330.92	.....	.....	330.92	28.17	.....
1702	4	No...	50.61	121.24	87.33	259.18	272.52	.....	.....	272.52	13.34	.....
1703	2	No...	60.10	137.07	93.85	291.02	291.02	.....	.....	291.02	.....	.....
1704	7	No...	43.80	496.37	175.20	715.37	510.98	204.39	.....	715.37	.....	.....
1705	8	No...	43.80	384.43	194.32	622.55	340.66	306.58	34.07	681.31	58.76	.....
1706	5	No...	63.26	368.97	331.13	763.36	535.32	462.32	.....	997.64	234.28	.....
1707	5	No...	43.80	472.41	187.37	703.58	486.65	535.32	.....	1,021.97	318.39	.....
1708	8	No...	63.26	439.00	215.03	717.29	535.32	291.99	.....	827.31	110.02	.....
1709	3	No...	34.07	116.76	102.52	253.35	240.41	.....	.....	240.41	.....	12.94
1710	2	No...	31.96	138.94	57.46	228.36	225.08	.....	29.20	254.28	25.92	.....
1711	10	No...	35.12	421.52	245.19	701.83	255.50	632.64	.....	888.14	186.31	.....
1712	5	No...	30.50	164.49	36.61	231.60	223.86	.....	97.33	321.19	89.59	.....

TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**G.—REMARKS.**

[No inference can be drawn from lack of fulness in some of these notes as conformity of statement was found to be impracticable and was not insisted upon.]

839. In debt; little furniture.
840. In debt; dirty house; little furniture.
841. In debt; house clean; some good furniture; cow.
842. Surplus on hand.
843. In debt; house comfortably furnished; two cows.
844. In debt; house comfortably furnished.
845. In debt; house comfortably furnished; one carpet, organ, books, and fancy work.
846. Surplus on hand; house well kept.
847. Surplus on hand; house dirty.
848. Surplus on hand.
849. In debt; good house; small garden; cow.
850. In debt; house in bad condition.
851. In debt; house damp; sanitary condition bad; banjo.
852. Surplus on hand; comfortable house.
853. Surplus on hand; house comfortable; cow.
854. Surplus on hand; house, poorly furnished.
855. Surplus on hand; clean house; good furniture, carpets, books, ornaments.
856. Surplus on hand; house comfortable; carpets in two rooms.
857. Surplus on hand; house comfortable; garden; cow.
858. Surplus on hand; house comfortable; good furniture.
859. Surplus on hand; house comfortable; good furniture.
860. In debt; shiftless couple.
861. In debt; house dirty; little furniture.
862. Surplus on hand; house comfortable and clean; cow and chickens.
863. Surplus on hand; comfortable house, badly kept.
864. Surplus on hand; comfortable house; good furniture; cow.
865. Surplus on hand; house neatly furnished.
866. Surplus on hand; dirty house; little furniture.
867. In debt; comfortable house and good furniture.
868. Surplus on hand; miserable hovel; surroundings filthy.
869. Surplus on hand; house clean and comfortable.
870. Surplus on hand; house clean and comfortable.
871. Surplus on hand; house comfortable.
872. Surplus on hand; large, comfortable house; horse and cow.
873. In debt; house in disorder; wife and children dirty.
874. In debt; house dirty; little furniture; roof leaks.
875. Surplus on hand; some good furniture; house dirty.
876. Surplus on hand; house dirty; small garden.
877. In debt; house dirty.
878. Surplus on hand; much sickness in family.
879. Surplus on hand; good workman.
880. Surplus on hand; house well furnished.
881. Surplus invested in real estate; man industrious and saving; has paid for two lots.
882. Surplus on hand; house tastefully furnished; books and magazines.
883. In debt; hard drinker.
884. In debt; house neat; books and papers; evidence of culture.
885. In debt, small amount; uses liquor.
886. Surplus on hand.
887. Surplus on hand; young couple, intelligent, but very poor.
888. In debt a trifle; worked only part of year; woman intelligent; small garden.
889. Surplus on hand; pleasant home; intelligent family; small garden; a few chickens.
890. Surplus on hand; garden; fowls.
891. Surplus on hand; house well furnished; man and woman intelligent and refined.
892. In debt; house only fairly well furnished; garden.
893. Surplus on hand; house neatly furnished; cow.
894. In debt; intelligent family; evidence of refinement; large doctor's bill.
895. Surplus on hand; house comfortably furnished; music; chickens.
896. In debt.
897. Surplus invested in real estate.
898. Surplus in savings bank; house comfortably furnished.
899. Surplus in savings bank; owns house in another state; comfortable home.
900. Surplus invested in real estate.
901. In debt; man has not steady work; poor home; small garden.
902. In debt; well furnished house; intelligent and refined couple; a few chickens.
903. In debt; house poorly furnished; married daughters help parents.
904. In debt; man sober and willing to work, but unable to get steady employment; poor home.
905. In debt; newly married couple, very intelligent; home neat and attractive.
906. In debt; live in company's house, which is poor; educated people struggling with poverty.
907. In debt.
908. Surplus on hand; garden.
909. In debt; own house; hard to support family.
910. In debt.
911. Surplus on hand; house comfortable; wife a good manager and helpful.
912. Surplus in savings bank; house well furnished; industrious man; horse and buggy.
913. Surplus invested in real estate; good workman; house neatly furnished.
914. In debt; own house; present wages not enough to support family.
915. Surplus invested in real estate.
916. Surplus on hand.
917. In debt.
918. In debt.
919. In debt; garden; pigs and fowls.
920. In debt.
921. Surplus on hand; own house; good worker; difficult to meet expenses.

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

922. Surplus invested in real estate; house well furnished; books, musical instruments, etc.  
 923. In debt.  
 924. In debt; dislike the rough surroundings.  
 925. In debt; live in squalor; man drinks much when out of work.  
 926. Surplus on hand; house comfortably furnished.  
 927. Surplus invested in real estate; house elegantly furnished; very intelligent family; garden.  
 928. Surplus on hand.  
 929. In debt; man out of work a long time; house comfortable; chickens.  
 930. Surplus on hand.  
 931. Surplus on hand; son's wages help support family.  
 932. Surplus on hand; good wages; garden.  
 933. In debt; man of good habits, steady worker; large family.  
 934. Surplus in savings bank; sober, industrious, and reliable man; house neat.  
 935. Surplus on hand; own two lots in another state; vegetables; chickens.  
 936. Surplus on hand.  
 937. Surplus in savings bank; well-to-do man.  
 938. Surplus on hand.  
 939. Surplus on hand.  
 940. Surplus on hand; good wages; large family; own house; garden.  
 941. In debt; works half time; drinks liquor.  
 942. In debt.  
 943. In debt; canse, sickness; intelligent, but rough; house not neat; a few chickens.  
 944. Surplus invested in real estate; intelligent and refined people; house well furnished; garden; pig, and chickens.  
 945. Surplus invested in building and loan association; own house, well furnished; pigs and chickens.  
 946. Surplus on hand; neat, orderly, third floor rooms; man in poor health.  
 947. Surplus on hand; live in part of good brick house, well furnished; thrifty family.  
 948. Surplus on hand; family doing well; premises clean.  
 949. Surplus on hand; own beautiful cottage; refined people; garden.  
 950. Surplus on hand; well furnished rooms; thrifty family; no tobacco or beer.  
 951. In debt; nicely furnished rooms over store; comforts and luxuries; sons main support.  
 952. In debt; dirty, second story back rooms; not prosperous.  
 953. In debt; house partially furnished; dirty yard; bad drainage; shiftless people.  
 954. In debt; house comfortably furnished; surroundings fair; man lost much time.  
 955. In debt; dirty, filthy rooms, and family indifferent about it; man been ill.  
 956. In debt; just commenced housekeeping.  
 957. In debt; large family; small rooms, comfortably furnished; paying for steamboat passage.  
 958. In debt; house in disorder; man worked irregularly; take boarders and do washing.  
 959. Surplus on hand; large, healthy family; house well furnished; buy for cash.  
 960. Surplus on hand; cramped and unclean rooms; bare floors; man works regularly.  
 961. In debt; large family; plain house; expenses heavy; trade at company store.  
 962. In debt; well furnished, clean house; man generally idle; woman rude; take boarders.  
 963. Surplus on hand; small rooms back of saloon; house dirty.  
 964. Surplus on hand; house well furnished; intelligent people; pay as they go.  
 965. In debt; miserable, dirty rooms; ignorant, careless people.  
 966. Surplus, a trifle; poorly furnished house; filthy surroundings; ignorant people.  
 967. Surplus on hand; small, crowded rooms; woman rough; family do well when all work.  
 968. Surplus on hand; dirty place, but the family flourish.  
 969. In debt; company house, in disorder; family large; man and daughter lose time.  
 970. Surplus on hand; company house; large family; children work; man earns little and drinks.  
 971. In debt; company house; poor and dirty rooms; poverty stricken, but shelter a woman and child.  
 972. Surplus on hand; good and respectable house; children work and help; all lose time.  
 973. In debt; company house, good and well furnished; man out of work.  
 974. In debt; company house, second floor; small, clean; little furniture; have had hard luck.  
 975. In debt; company house, well cared for; expenses heavy; sickness during the winter.  
 976. In debt; dirty, crowded rooms; man drinks and is cross; difficult to meet expenses.  
 977. Surplus on hand; new house; family just moved in; furniture sufficient; children work.  
 978. In debt; company house, comfortable and convenient, but in disorder.  
 979. Surplus on hand; house clean and comfortable; carpets and good bedding.  
 980. In debt; company house; wretched, dirty rooms; man a good workman.  
 981. Surplus on hand; rooms need repairing; plain furniture; few comforts; man loses time.  
 982. In debt; second floor; rooms clean; furniture good.  
 983. Surplus on hand; rooms on lower floor; one well furnished; man drinks.  
 984. Surplus on hand; rooms decent; little furniture; sickness and death, caused by sewer gas.  
 985. Surplus on hand; well built house, well furnished; evidence of good living.  
 986. In debt; company house; miserable, filthy, comfortless rooms; man either sick or drunk.  
 987. Surplus in bank; own comfortable house.  
 988. Surplus on hand; own house; poultry.  
 989. Surplus on hand.  
 990. In debt.  
 991. In debt.  
 992. Surplus on hand.  
 993. In debt; one story cottage; outside cook house; garden.  
 994. In debt.  
 995. In debt; have a garden and poultry.  
 996. Surplus invested in real estate; own two story house in good condition; garden.  
 997. Surplus invested in real estate; own comfortable house; garden.  
 998. Surplus in bank; own house in another state.  
 999. In debt; own good house; garden; pigs.  
 1000. Surplus partly invested in real estate; own house; garden.  
 1001. In debt.



TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**G.—REMARKS**—Continued.

1002. Surplus on hand; own house; garden; poultry.
1003. Surplus invested in real estate; own house; garden.
1004. Surplus on hand.
1005. Surplus on hand.
1006. Surplus on hand; garden.
1007. Surplus in bank; own well furnished house; small garden.
1008. In debt.
1009. Surplus on hand; garden.
1010. Surplus on hand; own neat, well furnished house.
1011. Surplus invested in real estate; own house; man in poor health; wife and daughters have a store.
1012. Surplus on hand; own house.
1013. Surplus on hand; own house with store attached; vegetables.
1014. Surplus on hand.
1015. In debt; vegetables, poultry.
1016. Surplus on hand.
1017. Surplus on hand; is paying for a house; vegetables; poultry.
1018. Surplus on hand.
1019. In debt; own house; vegetables; poultry.
1020. Surplus on hand.
1021. Surplus on hand.
1022. In debt.
1023. In debt.
1024. In debt; own house and one-half acre of land; vegetables.
1025. Surplus on hand; own house; claim to be comfortably situated.
1026. Accounts balance; nicely situated; much expended for sickness.
1027. Surplus in savings bank; own nice house; have pleasant surroundings.
1028. Surplus on hand; live very comfortably; sewing machine.
1029. Surplus invested in real estate; own house, ordinarily well arranged.
1030. In debt; live in small house; no evidence of culture.
1031. In debt; very neatly furnished rooms.
1032. Surplus invested in real estate; own house.
1033. In debt.
1034. Surplus invested in real estate; own house.
1035. Surplus on hand; own house.
1036. Surplus invested in real estate; own house; live in style.
1037. Surplus invested in real estate; own well furnished house.
1038. Surplus on hand; own house.
1039. Surplus in bank; nice home; saving money to buy a house.
1040. Surplus on hand; home well furnished.
1041. In debt; good workman, good wages; saves nothing; spends money for liquor.
1042. Surplus on hand; poor tenement.
1043. Surplus on hand; wife runs house; man too fond of liquor.
1044. Surplus on hand; small tenement house.
1045. Surplus invested.
1046. Surplus on hand.
1047. Surplus invested in real estate; own house.
1048. Surplus invested in real estate; own two houses.
1049. In debt; small house; few comforts.
1050. Surplus on hand; own house; comfortably situated; economical.
1051. In debt; part of house carpeted; surroundings very ordinary.
1052. In debt; house carpeted and comfortable; husband been sick; relations helped them.
1053. In debt; house comfortable; organ and sewing machine; man drinks much.
1054. Surplus invested in real estate; own several houses; organ; horse and wagon.
1055. Surplus on hand; own house, with very pleasant surroundings.
1056. Surplus invested in real estate; own house, well located, with large yard.
1057. In debt; hard struggle to live; loses much time when mill is closed.
1058. Surplus on hand.
1059. Surplus invested.
1060. Surplus on hand; cow and chickens.
1061. Surplus in bank.
1062. Surplus on hand; hard working man; has had hard luck.
1063. Surplus in bank; man works hard and saves a little every year.
1064. Surplus on hand; own house; man well informed; looked upon as a leader.
1065. Surplus invested; own house.
1066. Surplus invested in real estate; own new and comfortable house.
1067. Surplus on hand; cheap one story house.
1068. Surplus on hand; live with wife's parents; no rent.
1069. Surplus on hand.
1070. Surplus used to pay interest; own comfortable house; potatoes.
1071. Surplus invested; own house and cow; vegetables.
1072. Surplus invested; own house.
1073. Surplus on hand; very saving man.
1074. Surplus invested; first class workman; own house.
1075. Surplus on hand.
1076. Surplus invested in real estate.
1077. Surplus on hand; saving money to buy a house.
1078. Surplus on hand; tenement is in bad condition; family poorly dressed.
1079. Surplus in bank; save money every year.
1080. Surplus on hand; own house; live very comfortably.
1081. Surplus invested in real estate; own house; vegetables.
1082. Surplus invested in real estate; own house; potatoes.
1083. Surplus invested in real estate; own house; potatoes.
1084. In debt.

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

1085. Surplus invested; save money every year.
1086. Surplus invested in real estate; own house; vegetables.
1087. In debt; wife and daughters been ill, causing deficit; own nice house.
1088. In debt; comfortable surroundings; rather extravagant; sewing machine and organ.
1089. Surplus in bank.
1090. Surplus invested.
1091. Surplus invested.
1092. Surplus invested in building and loan association.
1093. Surplus in bank; own house; save a little money every year.
1094. Surplus invested in real estate; own house; well educated man.
1095. Surplus in bank; own house.
1096. Surplus invested in real estate; building a house.
1097. Surplus in bank; tenement fair.
1098. Surplus in bank.
1099. Surplus in bank; tenement not clean.
1100. Surplus on hand; hard working, intelligent man.
1101. Surplus on hand; cheap house in "fair grounds."
1102. Surplus on hand; cow and pigs.
1103. Surplus invested in real estate; own house.
1104. In debt a trifle; own small house.
1105. In debt; live in an alley; man has work only about two-thirds time.
1106. Surplus on hand; own house; sewing machine.
1107. In debt small amount; own nice house; organ.
1108. Surplus on hand; own very attractive house; machine and organ.
1109. Surplus on hand; enterprising man; live in style.
1110. Surplus on hand; expenses heavy; wife an invalid; small garden.
1111. Surplus in bank; own good house and garden; potatoes.
1112. Surplus on hand.
1113. Surplus on hand; own house; garden; poultry.
1114. Surplus on hand.
1115. In debt; bright and intelligent couple.
1116. Surplus in bank.
1117. Surplus invested; own good, well furnished house.
1118. Surplus on hand; cow and poultry.
1119. In debt; garden.
1120. Surplus on hand; saving to buy a farm in Arkansas.
1121. Surplus on hand.
1122. Surplus on hand.
1123. In debt.
1124. Surplus on hand; garden.
1125. Surplus on hand.
1126. Surplus on hand.
1127. In debt; house well kept.
1128. Surplus on hand; house neatly kept.
1129. Surplus on hand; house neat; organ.
1130. Surplus on hand; live comfortably.
1131. In debt; house neat and clean.
1132. In debt; caused by extra expense; house well kept.
1133. Surplus on hand; live comfortably.
1134. In debt; live comfortably.
1135. In debt; live comfortably.
1136. In debt; caused by extra expense; own house.
1137. Surplus on hand; house neatly kept; a few chickens.
1138. In debt; caused by extra expense.
1139. In debt; house well kept.
1140. Surplus on hand; live nicely; organ.
1141. In debt; house neat and clean.
1142. Surplus on hand; home comfortable.
1143. Surplus on hand; good home; carpets everywhere; \$385 piano.
1144. Surplus on hand; live in good house; well furnished.
1145. In debt; live in a wretched, dark, damp frame house.
1146. In debt; house neat and clean; organ.
1147. Surplus on hand; house neatly kept.
1148. Surplus on hand; live comfortably.
1149. In debt.
1150. In debt; house neatly kept.
1151. Surplus on hand; own house; well kept; organ.
1152. Surplus on hand; live in new brick house, which is well kept.
1153. In debt; live comfortably.
1154. Surplus on hand; live comfortably.
1155. In debt; extra expense has caused the deficiency; live comfortably; organ.
1156. In debt; live comfortably.
1157. In debt.
1158. Surplus on hand; live comfortably.
1159. In debt; live comfortably.
1160. Surplus on hand; live comfortably.
1161. Surplus on hand; live comfortably; organ.
1162. Surplus on hand; live well.
1163. Surplus on hand; house neat and clean.
1164. Surplus on hand; house neat; garden; a few chickens.
1165. Surplus on hand; house neat; organ.
1166. Surplus on hand; live comfortably; organ.
1167. Surplus on hand; house neat; organ.

TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES—Continued.****G.—REMARKS—Continued.**

1168.	Surplus on hand; house neat.
1169.	In debt.
1170.	In debt; house neat.
1171.	Surplus on hand; live well; organ.
1172.	In debt; live comfortably.
1173.	In debt.
1174.	Surplus on hand.
1175.	Surplus on hand; house neat and clean.
1176.	Surplus on hand; house neat and clean.
1177.	Surplus on hand; live comfortably; organ.
1178.	In debt; live in a small house comfortably furnished.
1179.	Surplus on hand; live comfortably.
1180.	In debt; live comfortably in new brick house.
1181.	Surplus on hand.
1182.	Surplus on hand.
1183.	Surplus on hand.
1184.	Surplus invested in real estate; house well furnished.
1185.	Surplus invested in real estate.
1186.	Surplus on hand.
1187.	Surplus on hand; house plainly furnished.
1188.	Surplus on hand; house neat; organ; a few chickens.
1189.	In debt; caused by extra expense; house neat.
1190.	In debt.
1191.	Surplus on hand; house neat and clean.
1192.	Surplus on hand; house neat and clean.
1193.	Surplus on hand; house neat.
1194.	Surplus on hand.
1195.	Surplus on hand; live comfortably.
1196.	Surplus on hand; house neat.
1197.	Surplus on hand; house neat; organ.
1198.	Surplus on hand; live comfortably.
1199.	Surplus on hand.
1200.	In debt; caused by extra expense.
1201.	In debt.
1202.	Surplus on hand; live comfortably.
1203.	In debt; house poorly furnished, but neat.
1204.	In debt; house not well kept.
1205.	In debt; live comfortably; garden; a few chickens.
1206.	Surplus on hand; house neat.
1207.	Surplus on hand; live comfortably.
1208.	Surplus on hand.
1209.	Surplus on hand; house well kept.
1210.	Surplus on hand; live well.
1211.	Surplus on hand; house not neat.
1212.	Surplus on hand; house neat.
1213.	In debt; house neat.
1214.	Surplus on hand.
1215.	Surplus on hand; house neat.
1216.	Surplus on hand.
1217.	In debt.
1218.	In debt; tenement; not kept clean.
1219.	Surplus on hand; house neat.
1220.	Surplus on hand; live well, in new brick house.
1221.	Surplus on hand; house neat.
1222.	Surplus on hand; live comfortably.
1223.	Surplus on hand; buying house from building association.
1224.	Surplus on hand; house neat; organ.
1225.	Surplus on hand; live comfortably.
1226.	Surplus on hand; house neat.
1227.	In debt; caused by extra expense; house not neat.
1228.	In debt; house dirty.
1229.	Surplus invested in building association; house neat.
1230.	In debt; caused by extra expense; house well kept.
1231.	Surplus on hand; live comfortably.
1232.	Surplus on hand; live comfortably.
1233.	Surplus on hand; live comfortably and are saving; organ.
1234.	Surplus on hand; house neat; intelligent and well informed.
1235.	Surplus on hand; house dirty.
1236.	In debt; buying house of building association.
1237.	In debt; live comfortably; intelligent.
1238.	In debt; house neatly kept.
1239.	In debt; house not well kept.
1240.	Surplus in bank; live comfortably; own house.
1241.	Surplus on hand.
1242.	In debt.
1243.	Surplus on hand; live comfortably; books and organ; buying house of building association.
1244.	Surplus on hand; live comfortably; house neat.
1245.	Surplus on hand; live comfortably; organ.
1246.	Surplus on hand.
1247.	Surplus on hand; live comfortably.
1248.	In debt.
1249.	In debt; caused by extra expenses; organ.
1250.	Surplus on hand; house neat.



TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

1251. Surplus on hand; own house.
1252. Surplus on hand; house neat and clean.
1253. Surplus on hand; house neat.
1254. Surplus on hand; house comfortably furnished; sewing machine.
1255. In debt; house comfortably furnished; sewing machine; a small garden.
1256. Surplus on hand; house comfortably furnished; sewing machine; poultry.
1257. Surplus on hand; own house; comfortably furnished; sewing machine; small garden; cow.
1258. Surplus on hand; house comfortably furnished; sewing machine; garden.
1259. Surplus invested in real estate; house comfortably furnished; sewing machine; poultry.
1260. Surplus on hand; live comfortably; garden; a few chickens.
1261. Surplus on hand; live comfortably.
1262. In debt; live comfortably; organ; good garden; chickens.
1263. In debt; house not neat.
1264. In debt; house neat; flower garden.
1265. Surplus on hand; live comfortably.
1266. Surplus on hand; live comfortably.
1267. In debt; live comfortably.
1268. Surplus on hand; live comfortably; organ; flowers.
1269. Surplus on hand; house well kept; live comfortably.
1270. Surplus on hand; live comfortably and neatly.
1271. Surplus on hand; house fairly clean.
1272. Surplus on hand; house neat and clean; live comfortably.
1273. Surplus on hand; live comfortably.
1274. Surplus invested; house only tolerably well furnished.
1275. Surplus on hand; live comfortably.
1276. Surplus on hand; house neat and clean.
1277. In debt; house neatly kept.
1278. Surplus on hand; live well.
1279. In debt; house neatly kept.
1280. In debt; live well.
1281. In debt; house neat and tidy.
1282. Surplus on hand.
1283. In debt; tenement house.
1284. Surplus in bank; house well furnished; small garden.
1285. Surplus invested in real estate; house plainly furnished; sewing machine; small garden.
1286. Surplus invested in real estate.
1287. Surplus on hand; house plainly furnished; sewing machine; goat, dogs, cats.
1288. Surplus on hand; live comfortably.
1289. In debt; pleasant home, with organ and ornaments.
1290. Surplus on hand; house neatly kept.
1291. In debt; house neatly kept.
1292. Surplus on hand; live comfortably.
1293. In debt; house dirty and ill kept.
1294. Surplus on hand; children at school.
1295. Surplus on hand; live comfortably.
1296. Surplus on hand; house well kept.
1297. Surplus on hand; live comfortably.
1298. In debt; caused by extra expenses; can live on what they earn.
1299. Surplus on hand; not very clean.
1300. Surplus on hand; live comfortably in new house which they are buying.
1301. Surplus on hand; house neat and clean.
1302. In debt; house neat and tidy.
1303. Surplus on hand; house neat and clean.
1304. Surplus in bank; house comfortably furnished; sewing machine.
1305. Surplus on hand; live in new brick house, nicely kept.
1306. In debt; work hard to keep even; house not very clean.
1307. Surplus on hand; live comfortably, house well kept.
1308. Surplus on hand; live comfortably; several thousand dollars in bank.
1309. Surplus on hand; not cleanly, but comfortable.
1310. Surplus on hand; house neat and clean; children at school.
1311. Surplus on hand; live comfortably; no attempt at refinement or cleanliness.
1312. Surplus on hand; house neat; children at public school.
1313. In debt a trifle; small house; live comfortably and well; organ.
1314. Surplus on hand; live comfortably; organ.
1315. In debt; eldest daughter pays board.
1316. In debt; rooms well kept; very nice people.
1317. In debt; children at public school.
1318. In debt; house very clean and tidy; people intelligent.
1319. Surplus invested in building association; house neat and clean.
1320. In debt; live comfortably; organ and sewing machine.
1321. Surplus on hand; live comfortably.
1322. Surplus on hand; house comfortably furnished; small garden.
1323. Surplus on hand; live comfortably.
1324. Surplus on hand; live well; organ; flower garden; chickens.
1325. Surplus on hand; house comfortably furnished; small garden.
1326. Surplus on hand; house neat; live comfortably.
1327. In debt; house neat; children at public school.
1328. Surplus on hand; house neat and clean.
1329. Surplus on hand; live comfortably; no pretense at refinement.
1330. Surplus on hand; not a very neat home.
1331. In debt; intelligent and industrious people.
1332. Surplus on hand; live comfortably; no refinement nor much cleanliness.
1333. In debt; live comfortably; house and children neat and clean.

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

1334. Surplus invested; old house, small rooms; premises clean; carpets and comforts generally.
1335. Surplus on hand; house neatly kept.
1336. In debt; live comfortably; can usually live on what they earn.
1337. In debt; house well kept.
1338. Surplus on hand; live comfortably.
1339. In debt; house neatly kept.
1340. In debt; both drink.
1341. In debt; whiskey evidently the cause; home dirty and cheerless.
1342. In debt; live comfortably.
1343. Surplus in bank; house comfortably furnished, but in a poor location.
1344. Surplus invested in real estate; own house, which is well furnished.
1345. Surplus on hand; people intelligent.
1346. Surplus invested in real estate; house just furnished.
1347. Surplus invested in real estate; pleasant home; man educated; both intelligent.
1348. Surplus on hand; own well furnished house; family intelligent.
1349. Surplus on hand; live comfortably.
1350. Surplus on hand; live in comfortably furnished house.
1351. Surplus on hand.
1352. Surplus on hand; house neat and clean; children at public school.
1353. In debt; house not very neat; can live on what they earn.
1354. In debt; live comfortably; house neat; man well informed.
1355. In debt; out of work for months; new house, but untidy.
1356. In debt; fairly well educated; live comfortably.
1357. In debt; children at public school.
1358. Surplus on hand; live in new house, nicely kept; organ.
1359. In debt; a son helps; live comfortably and are cleanly.
1360. Surplus on hand; house neat and clean.
1361. Surplus in bank; intelligent and live comfortably.
1362. Surplus on hand; own house; very clever people.
1363. Surplus on hand; live comfortably.
1364. Surplus in bank; own house; have pleasant home; enjoy life.
1365. Surplus on hand.
1366. In debt; intelligent people; house neat and clean.
1367. Surplus on hand; rooms clean.
1368. In debt; house comfortably furnished; sewing machine; garden.
1369. Surplus on hand; house comfortable.
1370. Surplus on hand; own comfortable house; sewing machine.
1371. Surplus on hand; house comfortable; small garden; poultry.
1372. Surplus on hand; house comfortably furnished.
1373. Surplus on hand; own comfortable house; sewing machine; garden; cow and pigs.
1374. Surplus on hand; own house; sewing machine.
1375. Surplus invested in real estate; own comfortable house; sewing machine.
1376. Surplus on hand; own comfortable house; sewing machine; garden.
1377. Surplus on hand; comfortably furnished house; garden.
1378. In debt; comfortable house; garden.
1379. Surplus on hand; house comfortably furnished.
1380. In debt; house comfortably furnished.
1381. Surplus invested in real estate; house comfortably furnished; small garden; cow.
1382. Surplus on hand; house comfortably furnished; small garden; poultry.
1383. Surplus on hand; house clean and tidy.
1384. In debt; can live well on what they earn; children neat and clean.
1385. In debt; mother an invalid; live comfortably; flower garden; chickens.
1386. Surplus on hand; house and children quite well kept.
1387. Surplus on hand; house and children neat and clean; intelligent; daughter and mother play guitar.
1388. Surplus invested in real estate; buying a house on instalment plan; industrious.
1389. In debt; live in dirt and misery.
1390. Surplus on hand; man quite intelligent; boys attend night school; rooms well kept.
1391. Surplus on hand; intelligent people; own good house; organ, violin, and books.
1392. Surplus on hand; intelligent; live well.
1393. In debt; live comfortably.
1394. Surplus invested; good house, neatly carpeted; piano.
1395. Surplus invested; steady and thrifty; tastefully furnished house.
1396. Surplus invested; very neat house; live well.
1397. Surplus in bank; own house.
1398. In debt; house comfortably furnished; small garden.
1399. In debt; house comfortably furnished.
1400. Accounts balance; very poor family; house barely furnished.
1401. Surplus on hand; house comfortably furnished; sewing machine.
1402. Surplus on hand; house comfortably furnished.
1403. In debt; house comfortably furnished; pigs and poultry.
1404. Surplus on hand; clean and well kept house.
1405. Surplus on hand; house comfortably furnished and well kept.
1406. Surplus on hand; house well built; some good furniture.
1407. Surplus on hand; house dry, comfortable, and clean.
1408. Surplus on hand; live well; have a good house.
1409. Surplus on hand; dirty and common.
1410. In debt; house a mere shed, and leaks.
1411. In debt; a wretched hovel; no light; husband industrious, but ignorant.
1412. In debt; sickness during year; ignorant and shiftless.
1413. Surplus on hand; comfortable rooms.
1414. Surplus on hand; comfortable rooms, plainly furnished.
1415. Surplus on hand; crowded and dirty rooms.

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

1416. In debt; house comfortable, location good; spends too much in foolishness.
1417. In debt; good furniture and ordinary comforts.
1418. Small surplus on hand; shed rooms, leaking; ignorant and dirty.
1419. Surplus on hand; good house; comfortable, but dirty.
1420. Surplus on hand; house and furniture good.
1421. Surplus on hand; comfortable house.
1422. Surplus on hand; house leaks, damp and unhealthy; has no regular work; sometimes gathers driftwood.
1423. Accounts balance; wife takes in sewing and rents rooms.
1424. In debt; wife keeps store; cow.
1425. Accounts balance; company house, old and without modern conveniences.
1426. Accounts balance; uncomfortable house; man often sick and out of work.
1427. Surplus on hand; home uncomfortable; own house.
1428. Surplus invested in real estate; comfortable home, well furnished and attractive; own two houses.
1429. Surplus on hand; comfortable home; own house; garden.
1430. Surplus invested in real estate; own uncomfortable house.
1431. In debt; uncomfortable house; loses much time on account of slack work.
1432. In debt; uncomfortable house; wife in wretched health, which accounts for deficit.
1433. In debt; comfortable home; organ; lost time from sickness.
1434. Surplus invested; own a comfortable house; keep a cow and sell milk.
1435. Accounts balance; own a comfortable house; garden.
1436. In debt; own uncomfortable house; poultry.
1437. In debt; live uncomfortably.
1438. Accounts balance; own house.
1439. In debt; house comfortable; lost time.
1440. Accounts balance; house poorly built; are paying for it by instalments.
1441. In debt; old, uncomfortable house.
1442. Surplus invested; comfortable home.
1443. Accounts balance; own comfortable home.
1444. In debt; comfortable house.
1445. Accounts balance; uncomfortable house; would starve but for wife's taking in sewing.
1446. In debt; rooms uncomfortable; sick five months, causing deficit.
1447. Accounts balance; comfortable house, part of which they sublet.
1448. Surplus on hand; brick house without conveniences; comfortably furnished.
1449. Surplus on hand; own house, out of repair and uncomfortably furnished.
1450. Surplus on hand; live in utter discomfort and dirt; company house.
1451. Surplus on hand; comfortable house.
1452. Accounts balance; house poorly built and inconvenient, but spotlessly clean.
1453. Surplus on hand; buying house; rents out upper floor to lodgers.
1454. In debt; comfortable home.
1455. In debt; own house; surroundings miserable.
1456. In debt.
1457. Surplus invested.
1458. Surplus invested.
1459. Surplus on hand.
1460. Surplus invested.
1461. Surplus in bank.
1462. Surplus on hand; live neatly in company house.
1463. In debt; company house; live neatly.
1464. Surplus at interest in bank; company house, neat and clean.
1465. Surplus on hand; company house; garden.
1466. Surplus on hand.
1467. Surplus on hand.
1468. Surplus on hand; company house.
1469. In debt; company house, neat and clean; sickness kept them in debt.
1470. In debt; company house; man sick.
1471. In debt; house neat and clean; people intelligent.
1472. Surplus on hand; family very poor.
1473. In debt; have help from the mother; use liquor.
1474. In debt; drink gin.
1475. In debt; live well; children read and write; parents illiterate.
1476. In debt.
1477. Surplus on hand; large family; live very neatly.
1478. In debt.
1479. Surplus on hand; house clean; people intelligent.
1480. In debt; family live well in bare but comfortable rooms.
1481. In debt; keep a café; house and café neat and clean; children educated.
1482. In debt; house neat and clean.
1483. Surplus on hand; company house, neat and clean.
1484. In debt; large family; very poor.
1485. In debt.
1486. In debt a trifle; boards with mother-in-law.
1487. In debt; company house; bare rooms; garden.
1488. Surplus on hand; company house; wife keeps a shop.
1489. Surplus on hand; company house; live in dirt.
1490. In debt.
1491. Surplus in post office bank.
1492. Surplus on hand; large family; live well and are economical.
1493. In debt; large family.
1494. In debt; house very filthy; five persons in one room.
1495. In debt; live well; lazy people.
1496. In debt; live well, and are cleanly.



TABLE XIX.—**BAR IRON: COST OF LIVING, BY FAMILIES**—Continued.**G.—REMARKS**—Continued.

- 1497. Surplus in post office bank; live comfortably; garden.
- 1498. In debt; very poor; live miserably.
- 1499. In debt; live comfortably; garden.
- 1500. In debt; company house; live neatly; stone or wood floors are clean; garden.
- 1501. In debt.
- 1502. In debt.
- 1503. In debt; family very poor, but house neat and clean.
- 1504. Surplus on hand; clean house.
- 1505. In debt; wife keeps shop.
- 1506. In debt; live in one dirty room; wife untidy.
- 1507. In debt.
- 1508. In debt; house dirty and miserable; no furniture or comforts.
- 1509. Surplus on hand; live neatly.
- 1510. Surplus on hand.
- 1511. In debt; company house; live comfortably; garden.
- 1512. In debt.
- 1513. Surplus on hand.
- 1514. Surplus on hand; live comfortably.
- 1515. Surplus on hand; own house, neat home; people thrifty; garden.
- 1516. In debt; small house; not tidy; deficit caused by sickness; small garden.
- 1517. In debt; comfortable house, neat and tidy; intelligent family; garden.
- 1518. Surplus on hand; rooms small, rather untidy; people intelligent; garden.
- 1519. Surplus on hand; own house, large, well furnished; garden; hog.
- 1520. In debt; sickness the cause; house small, but tidy; small garden.
- 1521. Surplus on hand; own good house; intelligent people; small garden.
- 1522. Surplus on hand; house tidy; small garden.
- 1523. Surplus on hand; house small, but tidy; small garden.
- 1524. Surplus on hand; rooms tidy and well furnished; family apparently thrifty; garden.
- 1525. Surplus on hand; rooms neat and well furnished.
- 1526. In debt; own small, poorly ventilated, and untidy house; small garden.
- 1527. In debt; rooms fair size; house not tidy; small garden.
- 1528. Surplus on hand; house neat and well furnished; people thrifty.
- 1529. Surplus on hand; small garden.
- 1530. Surplus on hand; rooms tidy; family content and thrifty.
- 1531. In debt; house tidy; rooms large; live comfortably.
- 1532. In debt; rooms small, well furnished; surroundings inviting; small garden.
- 1533. Surplus on hand; rooms large and tidy; small garden.
- 1534. Surplus on hand; own good, neat house; garden.
- 1535. Surplus on hand; people intelligent, and apparently quite thrifty.
- 1536. Surplus on hand.
- 1537. Surplus on hand.
- 1538. Surplus on hand.
- 1539. Surplus on hand.
- 1540. Surplus on hand.
- 1541. In debt.
- 1542. Surplus on hand.
- 1543. Surplus on hand.
- 1544. In debt.
- 1545. Surplus on hand.
- 1546. Surplus on hand.
- 1547. In debt.
- 1548. Surplus on hand.
- 1549. Surplus on hand.
- 1550. In debt.
- 1551. Surplus on hand.
- 1552. In debt.
- 1553. Surplus on hand.
- 1554. Surplus on hand.
- 1555. In debt.
- 1556. Surplus on hand.
- 1557. In debt.
- 1558. In debt.
- 1559. Surplus on hand.
- 1560. Surplus on hand.
- 1561. Surplus on hand.
- 1562. Surplus on hand.
- 1563. Surplus on hand.
- 1564. Surplus on hand.
- 1565. In debt.
- 1566. In debt.
- 1567. Surplus on hand; company house, four rooms, well furnished; small garden.
- 1568. In debt; company house, four rooms, well furnished; small garden.
- 1569. Surplus on hand; company house, four rooms, well furnished; small garden.
- 1570. Surplus on hand.
- 1571. Surplus on hand.
- 1572. Surplus on hand.
- 1573. Surplus on hand.
- 1574. Surplus on hand.
- 1575. Surplus on hand.
- 1576. Surplus on hand.
- 1577. Surplus on hand; rooms clean and orderly; garden.
- 1578. Surplus on hand; rooms clean and fairly well furnished; daughter has clothing given her.
- 1579. In debt; rooms well furnished.

TABLE XIX.—BAR IRON: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

1580. Surplus on hand; rooms clean and orderly.
1581. Surplus on hand; large room, neat and clean.
1582. Surplus on hand; rooms well furnished.
1583. Surplus on hand; rooms neat; garden and fruit trees; goats, chickens, and pigeons.
1584. In debt; rooms clean and well furnished; piano; eldest son at college.
1585. In debt; rooms dirty.
1586. In debt; rooms dirty; sewing machine.
1587. In debt; rooms clean and orderly.
1588. In debt; rooms clean but poorly furnished; garden; geese.
1589. In debt; rooms clean.
1590. In debt; rooms untidy and poorly furnished.
1591. In debt; pig.
1592. In debt; rooms clean but untidy; garden.
1593. In debt.
1594. In debt; garden.
1595. Surplus on hand; rooms clean, but poorly furnished.
1596. In debt; rooms neat and clean.
1597. Surplus on hand; sewing machine; chickens.
1598. Surplus on hand; rooms clean; chickens.
1599. Surplus on hand; new, well furnished house.
1600. In debt; man reformed; good home, fairly well furnished.
1601. Surplus on hand; live comfortably in good brick house.
1602. In debt; intelligent man; fairly well furnished house.
1603. Accounts balance; good house, poorly furnished; sickness, but no debt.
1604. Accounts balance; good brick house, decently furnished.
1605. Surplus on hand; good house.
1606. Surplus on hand; small brick house in back yard, neat and clean.
1607. Surplus on hand; steady, industrious man; good house.
1608. Accounts balance; steady man; small house, poorly furnished, but clean.
1609. Surplus in postal savings bank; steady man; clean, comfortable house.
1610. Accounts balance; small, comfortable house; nothing saved on account of sickness.
1611. Accounts balance; steady man; can just manage to keep out of debt.
1612. Accounts balance; man unable to work much; wife and daughter help.
1613. Accounts balance; nice, well furnished house; man a totaler.
1614. In debt; respectable, hard working family; good house.
1615. In debt; rather poorly furnished house; live well.
1616. Accounts balance; nice house, handsomely decorated, good locality.
1617. Surplus in postal savings bank; clean and respectable house; sewing machine.
1618. Surplus invested; good house; sewing machine.
1619. Surplus in postal savings bank; large family; living comfortably in good house.
1620. Surplus on hand; steady, respectable man; lives in good house.
1621. Surplus in postal savings bank; steady, industrious man; small house.
1622. Surplus on hand; steady workman; keeps cash account.
1623. Surplus on hand; clean and comfortable rooms.
1624. Accounts balance; small, respectable house; can just make ends meet.
1625. Surplus in postal savings bank; good house, well furnished; pictures, carpets, etc.
1626. Surplus on hand; good house, well furnished.
1627. Surplus invested in cooperative distribution society; comfortable house, well furnished.
1628. Surplus invested in cooperative distribution society; good house.
1629. Accounts balance; comfortable home; steady, industrious man.
1630. Accounts balance; hard working man; clean and respectable house.
1631. Surplus on hand; good house; live within their means; flower garden.
1632. Accounts balance; house in poor locality, but neat and clean.
1633. Accounts balance; up-stairs tenement, well furnished.
1634. Surplus on hand; good home; lives well up to his income.
1635. Surplus on hand; comfortably furnished home; always has some money.
1636. Surplus invested in cooperative distribution society; small, respectable house.
1637. Surplus on hand; first-class workman; good house, well furnished.
1638. Surplus on hand; industrious man, great reader; good house.
1639. Accounts balance; poorly furnished house in back yard; works steadily, but drinks.
1640. Surplus in postal savings bank; good house and locality.
1641. Surplus on hand; nice brick house; family comfortable and happy.
1642. In debt; good workman, strictly temperate; house decently furnished.
1643. Surplus invested; hard working man; house fairly well furnished.
1644. Surplus on hand; rather poorly furnished house.
1645. Surplus invested; family live up to their income in very comfortable house.
1646. Accounts balance; self-reliant man; small, poorly furnished house.
1647. Accounts balance; steady man, cannot save, but keeps out of debt; decent house.
1648. Accounts balance; industrious man; house up a narrow yard, but looks clean.
1649. In debt; industrious man, large family; small house, neat and clean.
1650. Accounts balance; just manage to live; small house, poorly furnished.
1651. Surplus on hand; steady and industrious man; house fairly good.
1652. Surplus on hand; good home; interested in politics; lives well.
1653. In debt; saving and industrious; good house and library.
1654. Surplus invested in real estate; steady man, saved money to build a house.
1655. Surplus in postal savings bank; small house, well furnished.
1656. Surplus on hand; live up to their income, but are not in debt.
1657. Surplus on hand; respectable family, well to do; good house; sewing machine.
1658. Surplus on hand; good house and neighborhood.
1659. In debt; house well furnished; do not save, but keep out of debt.
1660. Surplus in postal savings bank; intelligent and respected man; good, well furnished house.
1661. Accounts balance; house neat.
1662. Surplus on hand; unusually intelligent man; good house; enjoy life.
1663. Surplus on hand; clean, comfortable house; live up to their means.

TABLE XIX.—BAR IRON: COST OF LIVING BY FAMILIES—Concluded.

## G.—REMARKS—Concluded.

- 1664. Surplus on hand; neat house in a good neighborhood.
- 1665. Surplus in postal savings bank; good workman; house fairly well furnished
- 1666. Accounts balance; hard working man; house clean.
- 1667. Surplus on hand; industrious man, saved some money; good house.
- 1668. Accounts balance; good house, rather poorly furnished, but clean.
- 1669. Surplus on hand; small, neat house; small garden.
- 1670. Surplus on hand; steady man; house clean and comfortable.
- 1671. Accounts balance; industrious man; little money in bank; nice house.
- 1672. Surplus in savings bank; respectable man; neat, well furnished house.
- 1673. Surplus invested in building association.
- 1674. Accounts balance; respectable man, rather cranky; good house.
- 1675. Surplus invested; comfortable home, thrifty family.
- 1676. Accounts balance; poor looking place.
- 1677. Surplus on hand; rather poorly furnished house.
- 1678. Surplus in bank; industrious family, in good house; live well.
- 1679. Surplus in bank; steady and industrious family; good comfortable house.
- 1680. Surplus on hand; respectable family; good house.
- 1681. Accounts balance; good house; family live and dress well.
- 1682. Accounts balance; poorly furnished house; family intemperate.
- 1683. Surplus on hand; well furnished house, piano, pictures, etc.
- 1684. Surplus in savings bank; nicely furnished house; live well.
- 1685. Surplus in bank; good house; live and dress well.
- 1686. In debt; clean, poorly furnished house; man hard worker; educating his children.
- 1687. Accounts balance; good house; garden.
- 1688. Surplus on hand; good house; garden.
- 1689. Accounts balance; good house, garden; pig.
- 1690. Surplus on hand; barely furnished house.
- 1691. Surplus on hand; father spends for drink, children often beg in the streets.
- 1692. Surplus in postal savings bank; steady, respectable man; small house.
- 1693. In debt; lives well in good house; a few debts, but can always pay.
- 1694. Surplus on hand; steady worker; good home, fairly well furnished.
- 1695. Surplus in postal savings bank; family respectable; house small; man drinks too much.
- 1696. Surplus invested; steady man, said to be saving; house decently furnished.
- 1697. Accounts balance; hard worker, seldom drinks; decent house.
- 1698. Surplus on hand; steady worker; poor, squalid home.
- 1699. Surplus in postal savings bank; very good house; save money.
- 1700. Surplus on hand; steady, reliable man; good house.
- 1701. Surplus in postal savings bank; small house, poorly furnished, but comfortable, and saves money.
- 1702. Surplus on hand; family respectable; small house, not neat; save a little money.
- 1703. Accounts balance; live comfortably in nice house.
- 1704. Accounts balance; house fairly clean.
- 1705. Surplus invested; prudent wife and nice family.
- 1706. Surplus on hand; musical family; piano, violin, and harmonica.
- 1707. Surplus on hand; house in good order.
- 1708. Surplus on hand; comfortable home.
- 1709. In debt; comfortable house, garden.
- 1710. Surplus on hand.
- 1711. Surplus in bank; stone cottage; good garden.
- 1712. Surplus on hand; stone cottage; good garden.



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES.

## A.—DESCRIPTION OF THE FAMILY.

Bnd- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total per- sons in fam- ily.	
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1713	Alabama	American.	Buggyman	Home			1	2		5
1714	do	American.	Buggyman	Home						2
1715	Illinois	American.	Blacksmith	Home			4		1	7
1716	do	American.	Timekeeper	Home			1			3
1717	do	American.	Engineer	Home		1	1			4
1718	do	American.	Foreman, laborers	Home			1			6
1719	do	American.	Foreman, rollers	Home					3	4
1720	do	American.	Engineer	Home		2	3			7
1721	do	American.	Machinist	Home			3			5
1722	do	American.	Roller	Home			1			3
1723	do	American.	Hammersmith	Home						3
1724	do	American.	Laborer	Home			1		2	4
1725	do	American.	Catcher	Home			2			4
1726	do	American.	Heaters' helper	Home			2	2		6
1727	do	American.	Hooker-up	Home			2			4
1728	do	Austrian	Rougher	Home			3			5
1729	do	Danish	Heater	Home				1		3
1730	do	English	Hammerman	Home			1			3
1731	do	English	Straightener	Home			1			3
1732	do	English	Rougher	Home				1		3
1733	do	German	Foreman, drop	Home			3			5
1734	do	German	Hammerman	Home			1			3
1735	do	German	Blacksmiths' helper	Home			3			5
1736	do	German	Blacksmith	Home			2		1	5
1737	do	German	Fireman	Home		2				4
1738	do	German	Rollers' helper	Home			1		1	3
1739	do	German	Blacksmith	Home			3		1	6
1740	do	German	Laborer	Home			3			5
1741	do	Irish	Heaters' helper	Home	2	5	1			10
1742	do	Irish	Heater	Home	2	3	3			10
1743	do	Irish	Iron handler	Home					1	3
1744	do	Irish	Foreman, yard	Home		3	2			7
1745	do	Irish	Heater	Home	2	2	1			6
1746	do	Irish	Heater	Home						2
1747	do	Irish	Machinist	Home			1			3
1748	do	Irish	Heater	Home						2
1749	do	Irish	Laborer	Home						2
1750	do	Norwegian	Carpenter	Home			2			4
1751	do	Scotch	Catcher	Home			2			4
1752	do	Swedish	Blacksmiths' helper	Home					1	3
1753	New York	American.	Laborer	Home		3	1			6
1754	do	American.	Engineer	Home		1	3			6
1755	do	American.	Stoker	Home		2	2			6
1756	do	American.	Plater	Work			5			7
1757	do	American.	Melter	Home		2	1			5
1758	do	American.	Engineer	Home	1					3
1759	do	American.	Policeman	Home	1	2			2	7
1760	do	American.	Elevator tender	Home			1			3
1761	do	American.	Blower	Home		1	1			4
1762	do	American.	Mixer	Home						2
1763	do	American.	Engineer, locomotive	Home	1	2	1			6
1764	do	American.	Hooker-up	Work		2	1			5
1765	do	American.	Rollers' helper	Home			2			4
1766	do	American.	Rollers' helper	Home			1			3
1767	do	American.	Roller	Home			1			3
1768	do	Canadian	Engineer, stationary	Home		1	1			4
1769	do	English	Roller	Home		1	3			6
1770	do	English	Hooker-up	Home			2			4
1771	do	English	Hooker-up	Home		2	1			5
1772	do	English	Hooker-up	Home			1			3
1773	do	English	Roller	Home			1			3
1774	do	English	Roller	Home		1	1			4
1775	do	German	Shearman	Home			3			5
1776	do	Irish	Puddler	Home	2				4	8
1777	do	Irish	Charger	Home	3	2	1		4	12
1778	do	Irish	Puddler	Home			1		3	6
1779	do	Irish	Ladleman	Home		1			1	4
1780	do	Irish	Laborer	Home	3	3	1			9
1781	do	Irish	Laborer	Home						2

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1782	New York	Irish	Laborer	Home		1	3		2	8
1783	do	Irish	Laborer	Home	1				1	4
1784	do	Irish	Laborer	Home		1	2		1	6
1785	do	Irish	Buggyman		1	1	1			4
1786	do	Irish	Buggyman	Work	1					3
1787	do	Irish	Heaters' helper	Home		2	2			6
1788	do	Irish	Pitman	Home		2	2			6
1789	do	Irish	Rougher	Home	1		3			6
1790	do	Irish	Teamster	Home	3				1	6
1791	do	Irish	Rivet feeder	Home	2	5				9
1792	do	Irish	Laborer	Home						2
1793	do	Irish	Gateman	Home					1	3
1794	do	Irish	Engineer	Home		3				5
1795	do	Irish	Fireman	Home					2	4
1796	do	Irish	Masons' helper	Home					1	3
1797	do	Irish	Machinists' helper	Home					1	3
1798	do	Irish	Laborer	Work		2	2			6
1799	do	Irish	Laborer	Work	2				1	5
1800	do	Irish	Laborer	Home	3	1	1			7
1801	do	Irish	Laborer	Home	2					4
1802	do	Irish	Laborer	Home		1				3
1803	do	Irish	Heaters' helper			2	1			6
1804	do	Irish	Heaters' helper	Home						2
1805	do	Irish	Heater	Home		1	2			5
1806	do	Irish	Heater and pud- dlers' helper.	Home	3	1				5
1807	do	Irish	Puddlers' helper	Work						2
1808	do	Irish	Puddler	Home		1	2			5
1809	do	Irish	Puddler	Home	2	3	2		1	10
1810	do	Polish	Wheeler	Home		1	3			6
1811	do	Polish	Drag-back	Home	1	2	1			6
1812	do	Polish	Laborer	Home		1	3			6
1813	do	Scotch	Laborer	Home		2	3			7
1814	do	Swedish	Laborer	Home	2	2				6
1815	Ohio	American	Marker	Home	3	3				2
1816	do	American	Machinist	Home						8
1817	do	German	Catcher	Home			3			5
1818	do	German	Puddler	Home						2
1819	do	Irish	Laborer	Home						2
1820	do	Irish	Hammerman	Home		6				8
1821	do	Irish	Laborer	Home	1		1	3		7
1822	do	Irish	Blacksmiths' helper	Home			1			3
1823	Pennsylvania	American	Heater	Home			1	1		4
1824	do	American	Roller	Home				4		6
1825	do	American	Roller	Home			2	3		7
1826	do	American	Heater	Home			2			4
1827	do	American	Bricklayer	Home			1	1		4
1828	do	American	Shearman	Home				2		4
1829	do	American	Puddler	Home				3		5
1830	do	American	Roller	Home				2		4
1831	do	American	Laborer	Home			2			4
1832	do	American	Heaters' helper	Home				3		5
1833	do	American	Millwright	Home			2	1		5
1834	do	American	Laborer	Home			2			4
1835	do	American	Helper	Home			2			4
1836	do	American	Screwman	Home		3	2			7
1837	do	American	Helper	Home		2	1			5
1838	do	American	Pitman	Home		2				4
1839	do	American	Helper	Home		3				5
1840	do	American	Piler	Home			4			6
1841	do	American	Heater	Home		3	1			6
1842	do	American	Laborer	Home			2			4
1843	do	American	Helper	Home		1	1			4
1844	do	American	Laborer	Home		1	1			4
1845	do	American	Helper	Home						2
1846	do	American	Helper	Home			2			4
1847	do	American	Catcher	Home			2			4
1848	do	American	Shearman	Home			2			4
1849	do	American	Puddler	Home		3	2			7
1850	do	American	Helper	Home			3			5

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget number.	Locality.	Nationality.	Occupation or condition of—					Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	At work.	At school.	At home.	Unknown.	
1851	Pennsylvania.	American.	Ladleman.	Home		4	1		7
1852	do	American.	Pitman.	Home		2	2		6
1853	do	American.	Laborer.	Home			2		4
1854	do	American.	Helper.	Home			2		4
1855	do	American.	Laborer.	Home			1		3
1856	do	American.	Helper.	Home			1		3
1857	do	American.	Laborer.	Home			2		4
1858	do	American.	Melter.	Home		3	2		7
1859	do	Canadian.	Laborer.	Home		2	1		5
1860	do	English.	Laborer.	Home				1	3
1861	do	English.	Laborer.	Home					2
1862	do	English.	Runner.	Home		1			3
1863	do	English.	Helper.	Home			1		3
1864	do	English.	Laborer.	Home					2
1865	do	English.	Gasmaker.	Home		1	2		5
1866	do	Irish.	Ladleman.	Home		2			4
1867	do	Irish.	Lever man.	Home		2			4
1868	do	Irish.	Pumper.	Home		3			5
1869	do	Irish.	Helper.	Home		4	1	1	8
1870	do	Irish.	Laborer.	Home					2
1871	W. Virginia.	American.	Fireman.	Home			2		2
1872	do	American.	Pitman.	Home		1			5
1873	do	American.	Weighmaster.	Home			1		3
1874	do	American.	Heater.	Home					2
1875	do	American.	Laborer.	Home		3	2	2	9
1876	do	American.	Bottom builder.	Home		3			5
1877	do	American.	Steel pourer.	Home				1	3
1878	do	American.	Charger.	Home		2			4
1879	do	German.	Laborer.	Home		1			3
1880	do	German.	Laborer.	Home			2	1	5
1881	do	German.	Vesselman.	Home			2		4
1882	do	German.	Pit cleaner.	Home					2
1883	do	German.	Foreman, laborers.	Home		3		1	6
1884	do	German.	Engineer.	Home	3	2	2		9
1885	do	German.	Laborer.	Home	1	3	2		8
1886	do	German.	Millwright.	Home			1	1	4
1887	do	German.	Drawer.	Home					2
1888	do	German.	Laborer.	Home			2		4
1889	do	German.	Machinist.	Home		1		2	5
1890	do	Irish.	Laborer.	Home		1			3
1891	do	Irish.	Foreman.	Home			4		6
1892	do	Irish.	Miner.	Home		1	2	1	6
1893	do	Irish.	Iron melter.	Home			3	3	8
1894	do	Scotch.	Shearmen's helper.	Home					2
1895	do	Scotch.	Heater.	Home	2		1		5
1896	Germany.	German.	Foreman, cutters.	Home			2		4
1897	do	German.	Heater.	Home		4	2		8
1898	do	German.	Blacksmith.	Home			3		5
1899	do	German.	Boiler tender.	Home			2		4
1900	do	German.	Roller.	Home		3	3		5
1901	do	German.	Roller.	Home			1		3
1902	do	German.	Stamper.	Home					2
1903	do	German.	Slag wheeler.	Home	1				3
1904	do	German.	Coal wheeler.	Home	1			2	5
1905	do	German.	Greaser.	Home			3	4	9
1906	do	Polish.	Machinist.	Home			1		3
1907	do	Polish.	Heater.	Home	1		2	4	9
1908	do	Polish.	Moulder.	Home			1		3
1909	do	Polish.	Loader.	Home			1		3
1910	do	Polish.	Laborer.	Home	1		1	2	6
1911	do	Polish.	Foreman, locksmiths.	Home			3		5
1912	do	Polish.	Finisher.	Home	2		2	2	8
1913	do	Polish.	Bottom builder.	Home			2		5
1914	do	Polish.	Moulder.	Home			5		7
1915	do	Polish.	Hooker.	Home			2	2	6
1916	do	Polish.	Hammersmith.	Home			1	4	7
1917	do	Polish.	Plate repairer.	Home			2		4
1918	do	Polish.	Lever man.	Home			2		4
1919	do	Polish.	Heater.	Home			1		3
1920	do	Polish.	Limestone breaker.	Home			2		4
1921	do	Polish.	Limestone wheeler.	Home					2
1922	do	Polish.	Shearmen's helper.	Home				3	5



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bnd- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total pers- ons in fam- ily.	
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.			Un- known.
1923	Germany	Polish	Drag-out	Home			3		5	
1924	do	Polish	Turner	Home					2	
1925	do	Polish	Laborer	Home			2		4	
1926	do	Polish	Roller	Home			3	1	6	
1927	do	Polish	Heater	Home			2	1	6	
1928	do	Polish	Hooker	Home			2	1	5	
1929	do	Polish	Laborer	Home	3			2	7	
1930	do	Polish	Heater	Home				2	4	
1931	Great Britain	English	Roller	Home		3	3		8	
1932	do	English	Blower	Home		1	1		4	
1933	do	English	Roller	Home		2	1		5	
1934	do	English	Roller	Home		2	2		6	
1935	do	English	Inspector	Home	1	3	2		8	
1936	do	English	Patternmaker	Home			3		5	
1937	do	English	Fitter	Home			2		4	
1938	do	English	Blacksmith	Home	2	2	2		8	
1939	do	English	Carpenter	Home	2	3	1		8	
1940	do	English	Patternmaker	Home		3	2		7	
1941	do	English	Converterman	Home		2	2		6	
1942	do	English	Heater	Home	1	3	2		8	
1943	do	English	Driller	Home		3	3		8	
1944	do	English	Straightener	Home			1		3	
1945	do	English	Driller	Home					2	
1946	do	English	Roll turner	Home		2	1		5	
1947	do	English	Rail loader	Home		1	2		5	
1948	do	English	Engine driver	Home	1	3	1		7	
1949	do	English	Fireman, locomotive	Home		3	2		7	
1950	do	English	Blacksmith	Home		2	1		5	
1951	do	English	Fitter	Home		3	4		9	
1952	do	English	Moulder	Home		2			4	
1953	do	English	Straightener	Home	1				3	
1954	do	English	Heater	Home	2		1		4	
1955	do	English	Vesselman	Home					2	
1956	do	English	Laborer	Home					2	
1957	do	English	Laborer	Home	2				6	
1958	do	English	Laborer	Home	1	3			6	
1959	do	English	Chillman	Home		1	1		4	
1960	do	English	Craneman	Home			1		3	
1961	do	English	Converterman	Home	1	1			4	
1962	do	English	Blower and rougher	Home	2	3	1		8	
1963	do	English	Laborer	Home		3	1		6	
1964	do	English	Engineer, blowing	Home	2	3			7	
1965	do	English	Rougher	Home			1		3	
1966	do	English	Blower	Home			1		3	
1967	do	English	Coacher	Home			2		4	
1968	do	English	Blower	Home		4	1		7	
1969	do	English	Craneman	Home		1	1		4	
1970	do	English	Bloomer	Home	1		3	1	7	
1971	do	English	Overseer	Home					2	
1972	do	English	Rougher	Home	1	2			5	
1973	do	English	Moulder	Home	1	2	5		10	
1974	do	English	Roller	Home	2	3			7	
1975	do	English	Craneman	Home		4	2		8	
1976	do	Irish	Straightener	Home			1		2	
1977	do	Irish	Heater	Home	1	1	1		5	
1978	do	Irish	Blacksmith	Home	1	1			4	
1979	do	Irish	Pitman	Home					2	
1980	do	Irish	Storekeeper	Home					2	
1981	do	Irish	Roller	Home		2	1		5	
1982	do	Irish	Gasman	Home		2	3		7	
1983	do	Irish	Gasman	Home	2	2	1		7	
1984	do	Irish	Wheeler	Home		2	1		5	
1985	do	Irish	Gasman	Home	2	2	1		7	
1986	do	Irish	Furnace helper	Home	2				4	
1987	do	Scotch	Melter	Home		3	3		8	
1988	do	Scotch	Pitman	Home		2	1		5	
1989	do	Scotch	Metal breaker	Home	1	2			5	
1990	do	Scotch	Melter	Home		4	2		8	
1991	do	Scotch	Melter	Home		1	1		4	
1992	do	Scotch	Melter	Home		2	1		5	
1993	do	Scotch	Craneman	Home	2	2	1		7	
1994	do	Scotch	Wheeler	Home	3	2	1		8	
1995	do	Scotch	Melter	Home			3		6	

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
1996	Great Britain	Scotch	Melter	Home		2	2			6
1997	do	Scotch	Melter	Home		2	2			6
1998	do	Scotch	Melter	Home	1	3	1			7
1999	do	Scotch	Melter	Home		3	2			7
2000	do	Scotch	Melter	Home		3	2			7
2001	do	Scotch	Smelter	Home	1		1			4
2002	do	Scotch	Gasman	Home		2	2			6
2003	do	Scotch	Pitman	Home		4	1			7
2004	do	Scotch	Puddler	Home		2	2			6
2005	do	Scotch	Melter	Home	2	3				7
2006	do	Scotch	Melter	Home	2	2	2			8
2007	do	Scotch	Melter	Home		3	2			7
2008	do	Scotch	Pitman	Home	2	4	1			9
2009	do	Scotch	Wheeler	Home	2		3	1		8
2010	do	Scotch	Melter	Home		3	3			8
2011	do	Scotch	Wheeler	Home	1	4				7
2012	do	Scotch	Melter	Home	1	3				6
2013	do	Scotch	Pitman	Home		3	4			9
2014	do	Scotch	Gasman	Home	3	3	1			9
2015	do	Scotch	Melter	Home	1	3	2			8
2016	do	Scotch	Gasman	Home	3	3				8
2017	do	Scotch	Buggyman	Home						2
2018	do	Scotch	Roller	Home		3				5
2019	do	Scotch	Buggyman	Home						2
2020	do	Scotch	Roller	Home	1	4				7
2021	do	Scotch	Roller	Home						2
2022	do	Scotch	Melter	Home		1	2			5
2023	do	Scotch	Forker	Home		4				6
2024	do	Scotch	Roller	Home	2					4
2025	do	Scotch	Shearman	Home						2
2026	do	Scotch	Furnace helper	Home		2	1			5
2027	do	Scotch	Bank man	Home	1	3				6
2028	do	Scotch	Furnace helper	Home		2	1			5
2029	do	Scotch	Melter	Home	3	4				9
2030	do	Scotch	Buggyman	Home		3				5
2031	do	Scotch	Melter	Home	2	3				7
2032	do	Scotch	Melter	Home	2	2				6
2033	do	Scotch	Melter	Home	2	3	3			10
2034	do	Scotch	Smelter	Home	2	1				5
2035	do	Scotch	Furnace helper	Home	1	3				6
2036	do	Scotch	Hooker	Home			1			3
2037	do	Scotch	Breaker-down	Home						2
2038	do	Scotch	Roller	Home			1			3
2039	do	Scotch	Bank man	Home	2					4
2040	do	Scotch	Smelter	Home			1			3
2041	do	Scotch	Bank man	Home						2
2042	do	Scotch	Hooker	Home			1			3
2043	do	Scotch	Furnace helper	Home			1			3
2044	do	Scotch	Shearman	Home						2
2045	do	Scotch	Bank man	Home						2
2046	do	Scotch	Hooker	Home		1				3
2047	do	Scotch	Bank man	Home			2			4
2048	do	Scotch	Shearman	Home		2	1			5
2049	do	Scotch	Smelter	Home	2					4
2050	do	Scotch	Bank man	Home			1			3
2051	do	Scotch	Breaker-down	Home		3	1			6
2052	do	Scotch	Furnace helper	Home	1	3				6
2053	do	Scotch	Melter	Home		2	2			6
2054	do	Scotch	Hooker	Home		2	1			5
2055	do	Scotch	Furnace helper	Home	2		1			5
2056	do	Scotch	Furnace helper	Home		3				5
2057	do	Scotch	Furnace helper	Home	1	3				6
2058	do	Scotch	Forker	Home		2	1			5
2059	do	Scotch	Shingler	Home		3	2			7
2060	do	Scotch	Shingler	Home	2	2	1			7
2061	do	Scotch	Furnace helper	Home	2	3				7
2062	do	Scotch	Slag wheeler	Home	3	1	2			8
2063	do	Scotch	Roller	Home	2		1	1		5
2064	do	Scotch	Shingler	Home		3	2			7
2065	do	Scotch	Heater	Home		3	1			6
2066	do	Scotch	Puddler	Home	1	3	2			8
2067	do	Scotch	Stock taker	Home		1	2			5

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Concluded.

Bud- get num- ber-	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.				
					At work.	At school.	At home.	Un- known.	
2068	Great Britain	Scotch	Heater	Home	1	3	1		7
2069	do	Scotch	Roller	Home	1	2			5
2070	do	Scotch	Mason	Home	1	3	2		8
2071	do	Scotch	Carpenter	Work			2		4
2072	do	Scotch	Fitter	Home	1	2	2		7
2073	do	Scotch	Rail loader	Home	2	2			6
2074	do	Welsh	Vesselman	Home	1	2	1		6
2075	do	Welsh	Straightener	Home	1				3
2076	do	Welsh	Heater	Home		1	1		4
2077	do	Welsh	Sawyer	Home					2
2078	do	Welsh	Roller	Home					2
2079	do	Welsh	Foreman, mill	Home					2
2080	do	Welsh	Patternmaker	Home	1		1		4
2081	do	Welsh	Straightener	Home	3	4			9
2082	do	Welsh	Hot-bank man	Home		1			3
2083	do	Welsh	Hot-bank man	Home	2	1			5
2084	do	Welsh	Bloomer	Home	1				3
2085	do	Welsh	Cageman	Home		1	1		4
2086	do	Welsh	Ingot loader	Home	2				4
2087	do	Welsh	Blower	Home		3			5
2088	do	Welsh	Roller	Home					2
2089	do	Welsh	Rail handler	Home		2			4
2090	do	Welsh	Bloomer	Home			1		4
2091	do	Welsh	Engineer	Home	2	3	1		8
2092	do	Welsh	Blacksmith	Home	1				3
2093	do	Welsh	Converterman	Home	1				3
2094	do	Welsh	Heater	Home	1	1	1		5
2095	do	Welsh	Heater	Home	1		1		4
2096	do	Welsh	Driller	Home					2



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

### B.—AGE AND SEX.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
	Hus- band.	Wife.	First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
			Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
1713	30	27	9	M.	7	M.	5	M.											
1714	24	24																	
1715	55	58	32	F.	30	F.	20	F.	17	F.									
1716	29	20	1	F.															
1717	28	27	7	M.	3	F.													
1718	30	30	4	F.															
1719	32	28	4	M.	2	M.													
1720	35	33	12	M.	10	F.	5	M.	2	M.	1	M.							
1721	33	28	4	M.	2	M.	1	M.											
1722	32	20																	
1723	30	22	1	M.															1
1724	38	33	14	F.	9	F.													
1725	30	28	5	M.	3	F.													
1726	40	30	9	F.	7	F.	5	M.	3	M.									
1727	35	28	5	F.	3	M.													
1728	31	27	6	F.	4	M.	2	F.											
1729	34	29	7	F.															
1730	30	22	1	M.															
1731	30	26	6	M.															
1732	35	32	10	F.															
1733	37	30	6	F.	5	M.	3	F.											
1734	24	22																	1
1735	31	32	6	F.	5	M.	2	F.											
1736	30	29	4	M.	2	M.													
1737	58	48	12	F.	9	M.													
1738	25	23	3	F.															
1739	30	29	5	M.	3	M.	1	M.											
1740	33	27	6	M.	3	M.	1	F.											
1741	38	40	16	F.	15	F.	13	F.	12	F.	11	F.	9	F.	8	M.	3	M.	
1742	47	32	14	M.	12	M.	11	M.	9	F.	7	M.	5	F.	3	F.	1	M.	
1743	25	28																	
1744	38	36	10	F.	8	M.	6	M.	3	F.	1	M.							
1745	50		24	M.	20	F.	18	M.	17	M.	14	F.							
1746	45	38																	
1747	30	25	2	F.															
1748	30	24																	
1749	55	55																	
1750	56	41	21	F.	17	F.													
1751	26	23	3	M.	1	F.													
1752	55	56																	
1753	39	32	9	F.	6	M.	5	M.	1	M.									
1754	36	36	14	F.	5	M.	3	M.	2	M.									
1755	33	29	10	M.	7	M.	4	M.	2	M.									
1756	29	29	6	M.	5	M.	3	M.	2	M.	1	F.							
1757	41	39	16	F.	12	M.	9	F.											
1758	51	54	22	M.															
1759	41	43	18	M.	14	M.	13	M.											
1760	24	23	3	M.															
1761	30	28	7	M.	2	M.													
1762	50	48																	
1763	35	32	15	M.	13	F.	7	F.	4	M.									
1764	32	39	13	M.	9	M.	4	F.											
1765	30	26	5	F.	1	F.													
1766	27	22	1	F.															
1767	32	27	1	F.															
1768	33	25	10	M.	4	F.													
1769	36	32	7	M.	5	F.	3	M.	1	M.									
1770	28	26	6	F.	3	M.													
1771	33	31	8	M.	7	M.	5	F.											
1772	31	29	1	F.															
1773	27	21	1	F.															
1774	34	34	10	F.	5	M.													
1775	25	27	5	F.	3	M.	2	F.											
1776	44	44	19	F.	12	F.													
1777	31	38	22	F.	18	F.	16	F.	14	F.	12	M.	1	F.					
1778	43	34	6	F.															
1779	36	30	9	F.															
1780	54	45	20	F.	18	M.	16	F.	13	F.	11	F.	8	M.	5	F.			
1781	55	55																	
1782	36	34	8	F.	4	F.	2	F.	1	M.									

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
1783	50	52	20	M.															
1784	35	32	6	M.	4	F.	2	F.											
1785	53		21	M.	18	F.	12	M.											
1786	43	41	19	F.															
1787	36	33	9	M.	7	F.	5	M.	2	M.									
1788	34	29	10	M.	5	M.	3	M.	1	F.									
1789	40	37	15	F.	5	M.	3	M.	1	M.									
1790	60	56	20	F.	18	M.	16	F.											
1791	45	43	18	F.	16	M.	14	M.	12	M.	10	M.	7	M.	4	M.			
1792	57	60																	
1793	68	68																	
1794	34	33	15	F.	14	M.	12	M.											
1795	60	50																	
1796	60	59																	
1797	40	39																	
1798	38	33	11	F.	10	M.	3	F.	1	M.									
1799	56	50	18	M.	16	M.													
1800	52	54	26	F.	23	F.	21	M.	20	M.	15	M.							
1801	50	54	18	M.	17	M.													
1802	45	40	15	F.															
1803	45		19	F.	21	M.	17	F.	14	F.	12	M.							
1804	42	39																	
1805	40	35	8	F.	4	F.	1	M.											
1806	41	45	24	F.	21	F.	15	M.	8	F.									
1807	55	54																	
1808	35	30	9	M.	4	M.	2	M.											
1809	43	40	15	F.	14	M.	12	F.	8	M.	7	F.	2	F.	1	F.			
1810	23	24	8	M.	4	F.	2	M.	1	M.									
1811	43	43	15	M.	8	M.	5	M.	3	F.									
1812	36	30	9	M.	5	M.	2	M.	1	F.									
1813	40	39	10	F.	8	M.	6	M.	3	F.	1	M.							
1814	40	44	16	M.	13	F.	11	M.	8	F.									
1815	26	22																	
1816	52	45	20	M.	19	M.	17	M.	15	F.	13	M.	11	M.					
1817	30	26	6	M.	4	M.	2	F.											
1818	42	40																	
1819	60	55																	
1820	39	39	19	F.	17	F.	15	F.	14	F.	13	F.	12	F.					
1821	52	47	18	M.	16	F.	14	F.	8	F.	4	M.							
1822	60	65	25	F.															
1823	38	28	8	M.	6	F.													
1824	49	42	20	F.	17	F.	15	M.	10	F.									
1825	36	30	10	F.	9	M.	7	M.	5	F.	3	F.							
1826	35	25	5	M.	3	M.													
1827	31	26	7	M.	5	F.													
1828	40	32	10	F.	7	F.													
1829	45	42	18	M.	15	F.	12	F.											
1830	39	32	13	F.	7	M.													
1831	31	24	4	M.	2	F.													
1832	45	38	17	F.	13	F.	10	F.											
1833	25	30																	
1834	24	21	2	F.	1	M.													
1835	26	23	2	M.	1	M.													
1836	43	41	14	F.	12	F.	10	M.	6	M.	4	F.							
1837	35	36	12	F.	10	M.	2	F.											
1838	39	36	12	F.	8	F.													
1839	42	40	15	M.	12	M.	5	F.											
1840	35	30	5	F.	3	F.	2	F.	1	M.									
1841	43	40	18	F.	16	F.	10	F.	6	M.									
1842	30	28	5	F.	2	M.													
1843	35	32	7	F.	3	F.													
1844	32	30	8	F.	3	F.													
1845	25	25																	
1846	26	24	2	F.	1	F.													
1847	30	24	2	M.	1	M.													
1848	28	26	3	F.	1	F.													
1849	38	35	12	F.	10	F.	6	M.	4	M.	3	M.							
1850	33	26	4	F.	2	M.	1	M.											
1851	43	40	20	F.	16	F.	12	M.	8	M.	5	M.							
1852	33	30	8	F.	6	M.	5	M.	3	F.									

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
1853	33	27	3	F.	1	F.													
1854	31	26	3	M.	1	M.													
1855	30	24	2	F.															
1856	26	23	1	M.															
1857	30	23	2	F.	1	M.													
1858	42	38	16	F.	14	F.	12	M.	7	M.	3	M.							
1859	43	40	13	F.	10	M.	5	M.											
1860	60	62																	
1861	53	50																	
1862	61	60	15	F.															
1863	24	22	1	F.															
1864	60	58																	
1865	36	26	6	F.	3	M.	2	F.											
1866	38	36	10	F.	9	M.													
1867	39	35	10	F.	6	M.													
1868	40	40	15	F.	12	F.	6	M.											
1869	40	40	12	F.	9	F.	8	M.	6	M.	4	M.							
1870	56	53																	
1871	24	18																	
1872	34	33	11	F.	5	M.	2	F.											
1873	26	20	1	M.															
1874	41	43																	
1875	34	31	12	M.	9	F.	6	M.	4	M.	2	F.							
1876	43	38	13	F.	11	M.	9	F.											
1877	39	40																	
1878	32	33	12	M.	8	M.													
1879	31	33	9	M.															
1880	33	29																	
1881	23	21	2	F.	1	F.												3	
1882	35	36																	
1883	50	45	17	F.	14	M.	11	F.											
1884	33	46	20	F.	18	F.	16	F.	15	M.	9	M.	5	M.	3	F.			
1885	43	37	16	M.	14	F.	11	M.	9	M.	4	M.	1	M.					
1886	34	30	9	F.	1	M.													
1887	24	26																	
1888	31	24	5	M.	3	M.													
1889	56	50	17	F.															
1890	35	36	11	F.															
1891	29	24	6	F.	5	F.	4	F.	3	F.									
1892	55	40	12	M.	4	F.	2	F.											
1893	36	35	15	M.	10	M.	7	M.	6	M.	3	F.	1	F.					
1894	22	22																	
1895	62	52	29	M.	19	M.	18	M.											
1896	26	26	3	F.	1	F.													
1897	45	38	17	M.	13	F.	11	F.	9	F.	4	F.	1	F.					
1898	33	31	5	F.	3	F.	1	F.											
1899	29	28	3	F.	1	F.													
1900	32	30	6	M.	4	F.	2	F.											
1901	27	24	2	M.															
1902	25	20																	
1903	70	66	23	M.															
1904	60	62	25	F.															
1905	39	38	15	M.	14	F.	12	F.	10	F.	3	M.	2	M.	1	M.			
1906	26	24	1	F.															
1907	40	40	16	F.	15	F.	13	M.	11	M.	8	F.	4	F.	2	F.			
1908	24	26																1	
1909	31	29																1	
1910	40	36	16	M.	11	F.	9	F.	3	M.									
1911	37	22	5	M.	2	F.	1	M.											
1912	47	39	17	F.	16	F.	13	F.	9	F.	6	F.						1	
1913	29	23	3	M.	1	F.													
1914	30	30	6	F.	5	M.	3	F.	2	F.	1	M.							
1915	35	33	10	M.	8	M.	4	F.	2	F.									
1916	39	36	13	F.	11	F.	10	M.	7	M.	3	F.							
1917	31	30	2	M.	1	F.													
1918	27	26	2	M.	1	M.													
1919	26	24	1	M.															
1920	29	27	3	F.	2	M.													
1921	47	44																	
1922	43	33	13	M.	11	F.	9	F.											





TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
1993	39	39	17	M.	14	F.	10	F.	6	M.	3	F.							
1994	49	53	24	M.	21	M.	18	M.	14	M.	8	F.	7	F.					
1995	28	24	5	M.	3	F.	1	F.											
1996	37	33	8	M.	6	F.	4	F.	2	M.									
1997	31	30	8	M.	5	M.	3	F.	1	M.									
1998	49	46	19	M.	16	F.	9	F.	7	M.	5	F.							
1999	37	35	13	F.	11	F.	9	F.	5	M.	2	F.							
2000	37	35	12	F.	10	M.	6	M.	4	M.	2	F.							
2001	56	53	19	M.	14	F.													
2002	33	30	8	F.	6	M.	4	M.	2	F.									
2003	35	34	12	F.	10	M.	7	F.	5	F.	2	M.							
2004	45	41	17	F.	14	F.	11	M.	7	M.									
2005	41	39	17	F.	15	M.	13	M.	8	F.	5	F.							
2006	46	44	16	F.	14	F.	10	M.	8	M.	4	F.	1	M.					
2007	33	34	11	F.	9	F.	7	M.	4	M.	2	F.							
2008	45	45	21	M.	19	M.	15	F.	13	M.	9	F.	7	F.	5	M.			
2009	37	37	15	M.	13	M.	10	F.	6	M.	4	F.	2	F.					
2010	41	36	14	F.	12	F.	9	F.	7	M.	4	M.	2	M.					
2011	39	40	16	M.	12	M.	9	M.	7	F.	5	F.							
2012	38	37	16	M.	12	M.	9	F.	4	F.									
2013	35	31	13	F.	11	M.	9	F.	7	F.	5	M.	3	F.	1	F.			
2014	41	42	18	F.	16	F.	14	F.	10	F.	8	F.	6	M.	3	M.			
2015	37	37	16	F.	13	M.	11	M.	9	F.	5	F.	2	F.					
2016	43	47	21	F.	18	M.	16	F.	12	M.	9	M.	6	M.					
2017	54	50																	
2018	39	27	8	M.	6	F.	4	F.											
2019	55	50																	
2020	35	34	14	M.	12	M.	10	F.	7	F.	5	F.							
2021	50	45																	
2022	28	25	5	F.	3	F.	1	M.											
2023	33	30	11	F.	9	M.	7	F.	4	M.									
2024	40	37	17	M.	15	F.													
2025	25	23																	
2026	29	27	7	M.	5	F.	2	F.											
2027	40	37	16	M.	13	F.	11	M.	9	F.									
2028	30	27	8	F.	5	F.	2	F.											
2029	41	39	18	M.	16	F.	14	M.	12	M.	8	F.	6	F.	4	F.			
2030	29	27	11	M.	8	F.	5	M.											
2031	46	42	19	M.	15	M.	12	F.	10	M.	6	F.							
2032	35	36	17	M.	15	M.	13	F.	8	M.									
2033	42	42	20	M.	18	F.	15	M.	10	F.	8	M.	6	M.	4	M.	2	F.	
2034	40	38	18	F.	16	F.	13	M.											
2035	45	40	16	M.	13	F.	10	F.	7	M.									
2036	26	24	3	M.															
2037	35	30																	
2038	25	23	3	F.															
2039	37	34	16	M.	14	F.													
2040	29	26	4	F.															
2041	32	30																	
2042	25	23	2	M.															
2043	25	22	2	M.															
2044	50	46																	
2045	27	24																	
2046	28	26	6	M.															
2047	27	25	4	M.	2	F.													
2048	32	29	7	M.	5	F.	2	M.											
2049	45	40	18	M.	15	M.													
2050	28	25	3	M.															
2051	35	29	11	M.	9	F.	6	F.	3	M.									
2052	45	40	16	F.	13	M.	11	M.	8	F.									
2053	35	31	9	F.	7	F.	4	M.	2	M.									
2054	30	27	8	M.	5	F.	3	F.											
2055	55	50	19	F.	17	M.	14	M.											
2056	35	33	12	M.	10	F.	8	F.											
2057	36	35	16	F.	13	M.	11	F.	8	M.									
2058	30	28	7	M.	5	F.	2	F.											
2059	38	35	13	M.	11	M.	7	F.	5	F.	3	F.							
2060	41	39	16	F.	14	M.	9	M.	7	F.	3	F.							
2061	51	49	20	F.	18	M.	14	F.	12	F.	9	M.							
2062	43	40	18	F.	16	F.	14	M.	9	F.	4	M.	2	M.					

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

**E.--AGE AND SEX--Concluded.**

[All ages are given in full years.]

[illegible]



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1713	No.....	\$360.00					\$360.00
1714	No.....	340.00					340.00
1715	No.....	852.50					852.50
1716	No.....	697.50				\$36.00	733.50
1717	No.....	900.00					900.00
1718	No.....	472.50			\$456.00		928.50
1719	No.....	1,500.00					1,500.00
1720	No.....	1,380.00				25.00	1,405.00
1721	No.....	972.00					972.00
1722	No.....	572.00					572.00
1723	No.....	646.50					646.50
1724	No.....	429.00					429.00
1725	No.....	625.00					625.00
1726	No.....	520.00					520.00
1727	No.....	500.00					500.00
1728	No.....	600.00					600.00
1729	No.....	600.00					600.00
1730	No.....	634.50					634.50
1731	No.....	330.00					330.00
1732	No.....	700.00					700.00
1733	No.....	922.50					922.50
1734	No.....	707.25					707.25
1735	No.....	457.00					457.00
1736	No.....	535.50					535.50
1737	No.....	515.00					515.00
1738	No.....	814.88			182.00		996.88
1739	No.....	526.00					526.00
1740	No.....	375.00					375.00
1741	No.....	640.00		\$376.00			1,016.00
1742	No.....	786.00		420.00			1,206.00
1743	No.....	452.00					452.00
1744	No.....	697.50					697.50
1745	No.....	955.26		406.62			1,361.88
1746	No.....	752.00					752.00
1747	No.....	750.00					750.00
1748	No.....	680.00					680.00
1749	No.....	325.00					325.00
1750	No.....	620.00					620.00
1751	No.....	694.16					694.16
1752	Yes.....	420.00					420.00
1753	No.....	275.50					275.50
1754	No.....	449.45				70.00	519.45
1755	Yes.....	480.00					480.00
1756	No.....	325.00	\$150.00				475.00
1757	No.....	150.00					150.00
1758	No.....	270.00		200.00			470.00
1759	No.....	540.00		120.00	120.00		780.00
1760	No.....	345.00					345.00
1761	No.....	190.00					190.00
1762	No.....	475.00					475.00
1763	No.....	720.00		45.00			765.00
1764	No.....	400.00	100.00				500.00
1765	No.....	263.20				20.00	283.20
1766	No.....	350.00					350.00
1767	No.....	626.53					626.53
1768	No.....	800.00					800.00
1769	No.....	840.00					840.00
1770	Yes.....	350.00				238.00	588.00
1771	Yes.....	550.00				50.00	600.00
1772	No.....	360.00					360.00
1773	Yes.....	850.00					850.00
1774	Yes.....	1,000.00				48.00	1,048.00
1775	No.....	675.00					675.00
1776	No.....	300.00		220.00	320.00		840.00
1777	Yes.....	120.00		450.00	360.00	12.00	942.00
1778	No.....	630.00			238.00		868.00
1779	No.....	240.00			108.00		348.00
1780	No.....	260.00		535.00			795.00
1781	No.....	200.00					200.00
1782	No.....	300.00			320.00		620.00
1783	Yes.....	130.00		150.00	130.00	60.00	470.00
1784	No.....	275.00			180.00	30.00	485.00
1785	No.....	275.00		240.00			515.00
1786	Yes.....	20.00	250.00	150.00		60.00	480.00
1787	No.....	300.00					300.00

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1788	No.....	\$260.00					\$260.00
1789	No.....	420.00		\$60.00			480.00
1790	No.....	240.00		370.00	\$192.00		802.00
1791	No.....	334.26		256.00			590.26
1792	No.....	250.00					250.00
1793	No.....	300.00					300.00
1794	No.....	600.00					600.00
1795	Yes.....	550.00			180.00		730.00
1796	No.....	324.70			120.00		444.70
1797	Yes.....	356.00				\$88.00	444.00
1798	No.....	304.00	\$120.00				424.00
1799	No.....	250.00	200.00	195.00			645.00
1800	No.....	360.00		615.00			975.00
1801	No.....	175.00		245.00			420.00
1802	No.....	300.00				25.00	325.00
1803	No.....	346.34		320.00			666.34
1804	No.....	390.00					390.00
1805	No.....	456.60					456.60
1806	No.....	220.00		420.00			640.00
1807	No.....	250.00	132.00				382.00
1808	No.....	460.00					460.00
1809	No.....	337.24		111.00	120.00	20.00	588.24
1810	Yes.....	410.50				44.00	454.50
1811	No.....	300.00		100.00		30.00	430.00
1812	No.....	270.00				120.00	390.00
1813	No.....	230.00				50.00	280.00
1814	No.....	200.00		150.00			350.00
1815	No.....	780.00					780.00
1816	Yes.....	838.00		675.00			1,513.00
1817	No.....	900.00					900.00
1818	Yes.....	1,575.00					1,575.00
1819	No.....	390.00				9.00	399.00
1820	Yes.....	1,692.00					1,692.00
1821	Yes.....	546.00		420.00			966.00
1822	Yes.....	405.60				20.50	435.10
1823	Yes.....	1,650.00					1,650.00
1824	Yes.....	480.00					480.00
1825	Yes.....	2,050.00				100.00	2,150.00
1826	Yes.....	1,440.00				75.00	1,515.00
1827	Yes.....	1,120.00					1,120.00
1828	Yes.....	1,400.00				150.00	1,550.00
1829	Yes.....	850.00				150.00	1,000.00
1830	Yes.....	1,910.00				75.00	2,015.00
1831	No.....	390.00					390.00
1832	Yes.....	550.00					550.00
1833	Yes.....	1,800.00					1,800.00
1834	No.....	431.00					431.00
1835	No.....	506.00					506.00
1836	No.....	863.50					863.50
1837	No.....	540.00					540.00
1838	No.....	442.50					442.50
1839	No.....	515.50					515.50
1840	No.....	507.50					507.50
1841	No.....	967.00					967.00
1842	No.....	421.00					421.00
1843	No.....	510.50					510.50
1844	No.....	414.15					414.15
1845	No.....	512.20					512.20
1846	No.....	509.00					509.00
1847	No.....	695.00				260.00	955.00
1848	No.....	710.00					710.00
1849	No.....	753.50					753.50
1850	No.....	521.00					521.00
1851	No.....	463.50					463.50
1852	No.....	442.50					442.50
1853	No.....	430.00					430.00
1854	No.....	483.00					483.00
1855	No.....	432.50					432.50
1856	No.....	563.80					563.80
1857	No.....	440.00					440.00
1858	No.....	865.90					865.90
1859	No.....	432.50					432.50
1860	No.....	430.00					430.00
1861	No.....	428.00					428.00
1862	No.....	523.50					523.50

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1803	No.....	\$438.50					\$438.50
1804	No.....	416.60					410.60
1805	No.....	750.00					750.00
1866	No.....	442.50					442.50
1867	No.....	509.10					509.10
1868	No.....	450.00					450.00
1869	No.....	512.00					512.00
1870	No.....	428.60					428.60
1871	No.....	479.88					479.88
1872	No.....	723.92					723.92
1873	No.....	621.00					621.00
1874	No.....	603.72					603.72
1875	No.....	435.00					819.00
1876	No.....	900.00			\$384.00		925.00
1877	No.....	1,213.20				\$25.00	1,405.20
1878	No.....	710.16			192.00		710.16
1879	No.....	384.00					384.00
1880	No.....	369.80					369.80
1881	No.....	643.18					643.18
1882	No.....	626.12					626.12
1883	No.....	528.00			192.00		720.00
1884	No.....	414.80		\$433.00			847.80
1885	No.....	395.00		50.00			445.00
1886	No.....	498.75					498.75
1887	No.....	601.66					601.06
1888	No.....	394.80					394.80
1889	Yes.....	1,000.00			384.00	35.00	1,419.00
1890	No.....	400.00					400.00
1891	No.....	1,500.00					1,500.00
1892	No.....	416.00			192.00		608.00
1893	No.....	1,050.00					1,050.00
1894	No.....	575.00					575.00
1895	No.....	1,000.00		574.00			1,574.00
1896	No.....	335.86					335.86
1897	No.....	305.95					305.95
1898	No.....	228.10					228.16
1899	No.....	276.29					270.29
1900	No.....	455.80					455.80
1901	No.....	257.33					257.33
1902	No.....	146.61				23.80	170.41
1903	No.....	114.24		62.13			176.37
1904	No.....	114.24		22.85			137.09
1905	No.....	190.48					190.48
1906	No.....	212.40					212.40
1907	No.....	311.09		48.55			359.04
1908	No.....	273.51					273.51
1909	No.....	225.11					225.11
1910	No.....	174.29		69.02			243.31
1911	No.....	336.40					336.40
1912	No.....	198.26		109.24		11.90	319.40
1913	No.....	202.01			85.68		287.09
1914	No.....	307.16					367.16
1915	No.....	214.66					214.66
1916	No.....	214.55					214.55
1917	No.....	201.30					201.30
1918	No.....	247.27					247.27
1919	No.....	246.50					240.50
1920	No.....	202.49					202.49
1921	No.....	172.14					172.14
1922	No.....	192.99					192.99
1923	No.....	269.43					269.43
1924	No.....	251.81					251.81
1925	No.....	150.52					150.52
1926	No.....	182.40					182.40
1927	No.....	265.37					265.37
1928	No.....	184.85				14.28	199.13
1929	No.....	111.86		185.73			297.59
1930	No.....	287.98					287.98
1931	No.....	1,459.95					1,459.95
1932	Yes.....	1,021.97					1,021.97
1933	No.....	729.98					729.98
1934	Yes.....	1,459.95					1,459.95
1935	No.....	486.05		43.80			530.43
1936	No.....	389.32					389.32
1937	No.....	292.00					292.00



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
1938	Yes.....	\$340.66		\$54.51			\$395.17
1939	Yes.....	364.99		218.99			583.98
1940	No.....	364.99					364.99
1941	No.....	729.98					729.98
1942	No.....	729.98		146.00			875.98
1943	No.....	340.66				\$77.86	418.52
1944	No.....	486.65					486.65
1945	No.....	340.66					340.66
1946	No.....	729.98					729.98
1947	Yes.....	364.99					364.99
1948	No.....	330.92		97.33			428.25
1949	No.....	318.76					318.76
1950	No.....	379.59				24.33	403.92
1951	No.....	389.32					389.32
1952	No.....	389.32					389.32
1953	No.....	486.65		201.99			778.64
1954	No.....	326.06		180.06			506.12
1955	No.....	306.59					306.59
1956	No.....	164.48				35.77	200.25
1957	No.....	215.10		79.82			294.92
1958	No.....	227.75		38.93			266.68
1959	No.....	262.79					262.79
1960	No.....	214.13					214.13
1961	No.....	277.39		48.67			326.06
1962	No.....	379.59		94.89			474.48
1963	No.....	253.06					253.06
1964	No.....	257.92		394.19			652.11
1965	No.....	364.99					364.99
1966	No.....	364.99					364.99
1967	No.....	291.99					291.99
1968	No.....	364.99					364.99
1969	No.....	253.06					253.06
1970	No.....	240.41		189.79		9.73	439.93
1971	Yes.....	467.18					467.18
1972	No.....	283.05		25.30			308.35
1973	No.....	317.01		97.33			414.34
1974	No.....	425.40		277.39			702.79
1975	No.....	307.95					307.95
1976	No.....	262.16					262.16
1977	No.....	729.98		243.33			973.31
1978	No.....	267.66		97.33		24.33	389.32
1979	No.....	311.46					311.46
1980	No.....	253.06				77.86	330.92
1981	No.....	340.66				48.68	389.34
1982	No.....	364.99					364.99
1983	No.....	291.99		447.72			739.71
1984	No.....	340.66				24.33	364.99
1985	No.....	389.32		141.13			530.45
1986	No.....	486.65		170.33			656.98
1987	No.....	583.98					583.98
1988	No.....	510.98					510.98
1989	No.....	243.23		145.99			389.32
1990	No.....	827.31					827.31
1991	No.....	462.32				34.07	496.39
1992	No.....	632.64					632.64
1993	No.....	389.32		248.19			637.51
1994	No.....	330.92		1,046.29			1,377.21
1995	No.....	462.32				38.93	501.25
1996	No.....	778.64				43.80	822.44
1997	No.....	559.64				38.93	598.57
1998	No.....	900.30		194.66		121.66	1,216.62
1999	No.....	802.97					802.97
2000	No.....	583.98					583.98
2001	No.....	364.99		121.66			486.65
2002	No.....	364.99				29.20	394.19
2003	No.....	535.32					535.32
2004	No.....	559.65				73.00	632.65
2005	No.....	948.97		136.27		58.40	1,143.64
2006	No.....	656.98		126.53			783.51
2007	No.....	462.32				102.20	564.52
2008	No.....	656.98		637.51		73.00	1,367.49
2009	No.....	360.12		175.20		53.53	588.85
2010	Yes.....	608.31				97.33	705.64
2011	No.....	389.32		126.53		38.93	554.78
2012	No.....	851.64		107.00			958.70

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					
		Occupation of—			Board and lodging.	Other sources.	Total.
		Husband.	Wife.	Children.			
2013	No.....	\$705.64					
2014	No.....	369.85				\$43.80	\$749.44
2015	No.....	681.31		\$311.46		53.53	734.84
2016	No.....	389.32		97.33			778.64
2017	No.....	379.59		418.52			807.84
2018	No.....	729.98					379.59
2019	No.....	389.32					729.98
2020	No.....	778.64		73.00			389.32
2021	No.....	729.98					851.64
2022	No.....	462.32				34.07	729.98
2023	No.....	583.98					496.39
2024	No.....	729.98		291.99			583.98
2025	No.....	267.66					1,021.97
2026	No.....	486.65					267.66
2027	No.....	486.65		121.66			486.65
2028	No.....	778.64					608.31
2029	No.....	729.98		330.93			778.64
2030	No.....	462.32				58.40	1,119.31
2031	No.....	851.64		160.59		48.67	510.99
2032	No.....	924.64		321.20		48.67	1,012.23
2033	No.....	705.64		467.19			1,294.51
2034	No.....	973.30		233.59			1,172.83
2035	No.....	486.65		121.66			1,206.89
2036	No.....	364.99					608.31
2037	No.....	340.66					364.99
2038	No.....	486.65				97.33	437.99
2039	No.....	486.65		189.79		24.33	510.98
2040	No.....	866.24				53.53	729.97
2041	No.....	486.65					866.24
2042	No.....	267.66					486.65
2043	No.....	583.98					267.66
2044	No.....	973.30					583.98
2045	No.....	389.32					973.30
2046	No.....	340.66					389.32
2047	No.....	437.98				48.67	340.66
2048	No.....	243.33				48.66	486.65
2049	No.....	729.98		267.65		24.33	291.99
2050	No.....	583.98					1,021.96
2051	No.....	379.59					583.98
2052	No.....	583.98		97.33			379.59
2053	No.....	632.64					681.21
2054	No.....	291.99				97.33	632.64
2055	No.....	729.98		218.99			389.32
2056	No.....	583.98					948.97
2057	No.....	729.98		121.66			583.98
2058	No.....	486.65				72.99	851.64
2059	No.....	948.97					559.64
2060	No.....	486.65		184.93			948.97
2061	No.....	827.31		194.66			671.58
2062	No.....	360.12		267.64			1,021.97
2063	No.....	1,021.97		175.19			627.76
2064	No.....	924.64					1,197.16
2065	No.....	802.97					924.64
2066	No.....	608.31		243.33		38.93	841.90
2067	No.....	355.25				38.93	890.57
2068	No.....	379.59		43.80		97.33	452.58
2069	No.....	973.30		218.99		29.20	452.58
2070	No.....	332.11		87.60			1,192.29
2071	No.....	364.99	\$486.65				419.71
2072	No.....	354.28		63.26			851.64
2073	No.....	364.99		97.33			417.54
2074	No.....	301.72		75.90		24.33	462.32
2075	No.....	321.19		82.73			401.95
2076	No.....	350.39					403.92
2077	No.....	253.06				58.40	350.39
2078	No.....	423.39					311.46
2079	Yes.....	457.45					423.39
2080	No.....	243.33		123.20			457.45
2081	Yes.....	321.19		61.05		227.75	345.53
2082	No.....	306.59					1,166.99
2083	No.....	301.72		240.89			306.59
2084	No.....	340.66		92.46			542.61
2085	No.....	291.99				29.20	433.12
2086	No.....	189.79		221.41		9.73	321.19
2087	No.....	364.99					420.93
							361.99

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Concluded.

Bud- get num- ber.	Own house.	Income from—					
		Occupation of—			Board and lodging.	Other sources.	Total.
		Husband.	Wife.	Children.			
2088	No.....	\$330.92	.....	.....	.....	.....	\$330.92
2089	No.....	257.92	.....	.....	.....	.....	257.92
2090	No.....	279.82	.....	.....	.....	.....	279.82
2091	No.....	305.98	.....	\$136.27	.....	.....	442.25
2092	No.....	287.44	.....	121.06	.....	.....	409.10
2093	No.....	355.82	.....	209.26	.....	.....	565.08
2094	No.....	335.83	.....	126.53	.....	.....	462.36
2095	Yes.....	386.78	.....	82.73	.....	.....	469.51
2096	No.....	340.66	.....	.....	.....	.....	340.66



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)

[For continuation of expenditures of these families, see page 061, *et seq.*]

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1713		\$15.00		\$28.00			30	\$6.00	120	\$12.50	3	\$0.75
1714		12.00		6.00		\$6.00	20	4.00	120	10.00	4	1.00
1715			120	14.40	1,080	108.00	120	24.00	48	4.80	96	24.00
1716					816	81.60	36	7.20	36	3.00	120	26.40
1717					720	72.00	72	14.40	24	2.40	60	16.80
1718			120	14.40	1,680	201.60	96	10.20	48	4.80	144	36.00
1719			108	9.81	2,400	240.00	48	9.60	288	28.80	96	24.00
1720			60	7.50	730	73.00	36	7.20	72	7.20	180	45.00
1721					1,080	108.00			96	9.60	192	48.00
1722						80.00						25.00
1723						65.00						
1724						104.00					156	39.00
1725						75.00						15.00
1726						85.00						25.00
1727						30.00			200	16.00	104	26.00
1728						75.00			50	4.00	150	37.50
1729												
1730						104.00			52	4.16	104	29.12
1731						75.00			104	8.32	150	37.50
1732					1,080	108.00	144	28.80	192	19.20	72	18.00
1733			48	4.80	864	86.40	60	12.00	96	9.60	76	19.20
1734												
1735												
1736												
1737												
1738												
1739						109.50						
1740						50.00						12.00
1741			48	4.80	2,400	240.00	96	19.20	96	9.60	360	48.00
1742					2,400	240.00			140	14.00	220	55.00
1743			72	7.20	744	66.96	72	14.40	24	2.40	108	27.00
1744			60	6.00	960	96.00	48	9.60	120	12.00	144	36.00
1745			110	11.00	1,260	115.00	300	60.00	144	14.40	288	72.00
1746						130.00						
1747					730	73.00			100	8.00	104	26.00
1748						60.00			52	3.64	52	14.56
1749			120	12.00	1,470	147.00	45	9.00	120	12.00	144	36.00
1750			36	3.60	1,080	108.00	72	14.40	48	4.80	96	24.00
1751												
1752												
1753	52.00		20.00				20	4.00	20	2.40	150	37.50
1754	20.00		20.00			20.00	20	4.00			50	12.50
1755	30.00		36.00			10.00	30	6.00	24	2.40	250	62.50
1756	80.00	20	2.80			25.00	60	9.00			175	40.25
1757	16.00		29.00								150	37.50
1758	30.00		10.00			15.00	30	6.00	30	3.00	160	40.00
1759	40.00		41.68			20.00	30	6.00	30	3.00	200	50.00
1760	40.00		21.68			30.00	20	4.00	20	2.00	50	12.50
1761	12.00					30.00	20	4.00	20	2.60	90	22.50
1762	40.00		10.00			25.00	20	4.00	25	2.50	90	22.50
1763	40.00		34.00			20.00	30	6.00			160	40.00
1764	40.00		22.10			20.00	20	4.00			150	37.50
1765	30.00		13.68			10.00	16	3.20			48	12.00
1766	60.00		15.00						20	2.00	150	37.50
1767	30.00		20.00			40.00	30	6.00			100	25.00
1768	30.00		35.00			20.00	25	5.00	30	6.00	150	37.50
1769	40.00		20.00			15.00	30	6.00	24	2.40	200	50.00
1770	60.00		29.00			30.00	50	10.00	20	2.00	150	37.50
1771	40.00		15.00			30.00	20	4.00	20	2.00	100	25.00
1772	40.00					45.00	30	6.00	20	2.00	80	20.00
1773	30.00		37.00				30	6.00	12	1.20	80	20.00
1774	40.00		15.00			30.00	30	6.00	25	2.50	100	25.00
1775	40.00		32.00				50	10.00	30	3.75	100	23.00
1776	60.00		32.80			20.00	25	5.00	40	4.00	150	37.50
1777	200.00		50.00			20.00	90	18.00	40	4.80	300	66.00
1778	60.00		30.00			40.00	60	12.00	40	4.00		
1779	30.00		19.20			35.00	10	1.50	20	2.00	100	25.00
1780	30.00		15.00			30.00	40	8.00	40	5.00	250	60.00
1781	17.00		11.96			10.00	10	1.50			30	7.50
1782	20.00		20.00			55.00	20	4.00	30	3.00	200	50.00
1783	30.00		21.40			15.00	10	2.00	30	3.75	100	24.00
1784	60.00		21.96			30.00	30	6.00	20	2.50	100	25.00
1785	50.00		11.40			30.00			20	2.00	90	19.80
1786	40.00		12.10			30.00	30	6.00	20	2.50	150	37.50

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1787		\$60.00		\$2.80		\$30.00	30	\$4.50			150	\$30.00
1788		50.00		6.00		10.00	30	6.00	20	\$2.00	240	55.00
1789		20.00		24.00		16.00	30	6.00	30	3.00	140	35.00
1790		50.00		30.00		20.00	50	10.00	40	4.00	250	62.50
1791		30.00		21.60		18.00	40	8.00	20	2.00	90	22.50
1792		10.00		12.00			15	2.25	10	1.20	20	5.00
1793		30.00		6.40		20.00	20	4.00			90	20.70
1794		20.00		15.00		25.00	40	8.00	30	3.00	190	47.25
1795		50.00		27.80		25.00	30	6.00	40	4.00	160	40.00
1796		20.00		15.00		20.00	30	6.00			150	37.50
1797		20.00		4.00		40.00	30	6.00	10	1.00		
1798		38.00				30.00	40	8.00	20	2.00	150	37.50
1799		50.00				50.00	20	4.00	20	2.40	96	24.00
1800		100.00				90.00	60	12.00	40	4.80	300	75.00
1801		20.00				60.00	20	4.00	30	3.60	60	15.00
1802		52.00		12.00		10.00	20	4.00	20	2.00	150	37.50
1803		40.00		30.00		55.00	40	8.00	20	2.00	200	50.00
1804		40.00				20.00	30	6.00	30	3.00	90	22.50
1805		30.00		15.00		25.00	30	6.00	30	3.00	80	20.00
1806		40.00		20.00		20.00	30	6.00	20	4.00	50	12.50
1807		20.00		15.00		12.00	30	6.00	20	2.00	60	15.00
1808		40.00		15.00		40.00	50	10.00	30	3.00	200	50.00
1809		60.00		32.80		35.00	30	6.00	60	6.00	150	37.50
1810		50.00		42.80		30.00	20	4.00	20	2.00	170	42.50
1811		36.00		50.00			40	8.00	20	2.00	140	35.00
1812		35.00		10.00		10.00			20	2.00	50	12.50
1813		16.00		27.00		8.00	10	1.50	12	1.20	40	10.00
1814		18.00		17.10		20.00			10	1.00	40	10.00
1815						45.00	18	2.88	40	4.40	160	38.00
1816						120.00	32	6.40	85	8.50	223	66.90
1817						65.00	24	4.80	55	4.95	150	41.00
1818						77.00	30	4.80	75	8.25	156	48.36
1819						60.00			52	5.20	72	17.28
1820						95.75	30	6.00	82	9.02	260	78.00
1821						145.00	52	9.36	52	5.20	208	45.76
1822						72.50						
1823						115.00						
1824						54.50						
1825						172.00						
1826						130.00						
1827						55.00						
1828						75.00						
1829						70.00						
1830						81.00						
1831						60.00						
1832						33.00						
1833						95.00						25.00
1834					463	52.36	36	4.32	50	5.00	41	12.30
1835					501	56.92	24	2.88	38	3.80	52	26.00
1836					901	103.32	48	5.76	51	5.10	61	18.30
1837					710	81.40	46	5.52	41	4.10	50	15.00
1838					515	57.80	33	4.56	46	4.66	40	12.00
1839					696	80.28	40	4.80	49	4.90	40	12.00
1840					528	58.64	28	3.36	38	3.80	52	15.60
1841					882	101.80	56	6.72	71	7.10	76	22.80
1842					493	55.84	42	5.04	35	3.50	50	15.00
1843					500	56.00	26	3.12	49	4.90	43	12.90
1844					486	53.48	24	2.88	38	3.80	55	16.50
1845					481	54.20	38	4.56	36	3.60	50	15.00
1846					495	56.20	37	4.44	42	4.20	45	13.50
1847					500	75.00					100	26.00
1848					200	31.00					100	25.00
1849					896	102.92	48	5.76	62	6.20	80	24.00
1850					533	60.64	24	2.88	39	3.90	48	14.40
1851					770	89.20	28	3.36	60	6.00	55	16.50
1852					782	89.80	28	3.36	50	5.00	51	15.30
1853					579	65.64	20	2.40	52	5.20	33	11.40
1854					588	67.64	24	2.88	38	3.80	50	15.06
1855					581	65.72	28	3.36	42	4.20	46	15.80
1856					581	65.68	41	4.92	46	4.60	53	15.90
1857					619	70.96	26	3.12	38	3.80	36	10.80
1858					830	96.00	46	5.52	53	5.30	63	18.90
1859					560	64.40	30	3.60	45	4.50	40	12.00
1860					400	55.60	28	3.36	36	3.60	45	13.50

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen	Cost.	Lbs.	Cost.	Lbs.	Cost.
1861					470	\$52.80	25	\$3.00	40	\$4.00	51	\$15.30
1862					600	68.00	50	6.00	50	5.00	48	14.40
1863					561	64.52	27	3.24	40	4.00	46	13.80
1864					542	60.64	29	3.48	43	4.30	48	14.40
1865					595	71.40	28	3.36	55	5.50	56	16.80
1866					528	59.36	28	3.36	46	4.60	51	15.30
1867					613	68.28	28	3.36	38	3.80	50	15.00
1868					662	76.20	33	3.96	38	3.80	49	14.70
1869					810	93.20	25	3.00	70	7.00	50	15.00
1870					458	51.84	20	2.40	36	3.60	40	12.00
1871					300	36.00	35	6.30	35	3.50	96	24.00
1872					500	60.00	25	5.50	60	5.40	130	32.25
1873					480	72.00	20	3.00	120	12.00	96	24.00
1874					583	70.00			40	3.60	70	17.50
1875					858	103.00	48	9.60	50	5.00	192	51.84
1876					800	96.00	34	6.12	50	4.50	208	52.00
1877					800	96.00			70	5.60	125	31.25
1878					600	72.00	45	6.75	50	4.50	130	32.25
1879					500	60.00	35	5.25	40	3.20	110	27.25
1880					433	52.00	33	5.94	35	3.15	100	25.00
1881					428	60.00	96	17.24	56	5.04	48	12.00
1882					720	108.00	10	1.80	25	2.50	100	25.00
1883					700	84.00	35	6.30	50	4.50	192	48.00
1884					800	96.00	100	18.00	50	5.00	260	65.00
1885					310	31.00		5.00	79	7.90	185	51.80
1886					300	45.00	24	3.08	26	2.60	115	30.05
1887					475	57.00			40	3.60	110	30.00
1888					500	60.00	52	9.36	65	5.85	104	26.00
1889					958	115.00	36	6.48	40	4.00	145	36.25
1890					542	65.00	50	7.50	40	3.60	100	25.00
1891					700	84.00			72	5.78	104	26.00
1892					385	38.20	140	25.20	36	3.60	365	72.00
1893					600	72.00	100	18.00	100	10.00	96	24.00
1894					483	58.00	30	5.40	50	4.50	100	25.00
1895					1,200	120.00	144	25.92	60	6.00	154	38.50
1896			78	\$12.99	312	40.84					78	22.27
1897						48.79						
1898				11.42		11.42						
1899				10.16		21.43						
1890				13.33		49.50						7.28
1901				8.09		24.40						12.38
1902				5.31		17.26						7.48
1903						73.78						4.52
1904			78	12.99	180	21.42					52	15.57
1905			65	10.83	240	28.56						
1906				4.99		15.47						
1907				8.57		57.12						7.45
1908			72	10.28		22.85					26	14.86
1909				14.76		22.85						7.43
1910				10.52		31.54						
1911				8.57		57.12						9.52
1912						49.50						
1913				27.42		38.68						
1914				13.33		42.84						10.23
1915				5.01		15.64						4.26
1916				5.64		16.23						1.90
1917				4.71		16.97						
1918				11.24		28.22						
1919				10.54		25.23						
1920				5.36		16.39						4.52
1921				4.76		17.37						
1922				6.19		17.21						4.76
1923				9.33		24.75						3.33
1924				11.33		24.28						
1925				4.46		13.15						1.43
1926				5.88		18.63						2.74
1927			156	25.99	312	37.13		4.28				8.35
1928				9.99	580	34.51		5.24				5.71
1929				17.33		49.50		2.86				9.04
1930				17.33		34.27		2.86				9.90
1931						113.88		14.60	52	6.33	208	50.61
1932				12.65		56.91		12.65	26	3.16	156	37.96
1933				12.65		63.26		6.33	26	3.16	130	31.63
1934				12.65		75.92		12.65	52	6.33	156	37.96



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
1935						\$69.59		\$6.33	52	\$6.33	130	\$31.63
1936				\$12.65		37.96		6.33	26	3.16	52	12.65
1937						37.96						
1938				18.98		50.61		6.33	52	6.33	104	25.31
1939						88.57		12.65	52	6.33	156	37.96
1940						50.61					52	12.65
1941				18.98		63.26		12.65		6.33	130	31.63
1942				32.61		101.22		12.65			208	50.61
1943						50.61		6.33	52	6.33	104	25.31
1944						56.94		6.33	26	3.16	104	25.31
1945				7.38		44.29		6.33			78	18.98
1946				18.98		63.26		6.33	26	3.16	104	25.31
1947				8.44		44.29		9.49	26	3.16	104	25.31
1948						75.92		6.33	52	6.33	104	25.31
1949						31.63		6.33	26	3.16	100	20.28
1950						44.29		6.33	26	3.16	52	12.65
1951				18.98		37.96			52	6.33	104	21.09
1952						56.94		6.33	52	6.33	78	18.98
1953				12.65		88.57		12.65	26	3.16	104	25.31
1954						63.26						37.96
1955						50.62						
1956						25.30						
1957						44.29					52	12.65
1958						37.96					70	14.19
1959						50.62					104	16.86
1960						31.63					52	12.65
1961						50.62					104	25.30
1962						88.57					104	25.30
1963						29.52					208	33.74
1964						101.22					104	16.87
1965											156	37.96
1966						50.62						
1967						56.94					104	25.30
1968						50.62					78	18.98
1969						31.63					52	12.65
1970						50.62					52	12.65
1971			156	18.98		50.62					208	33.74
1972												
1973			104	12.65		31.63			52	6.33	52	12.65
1974				18.98		50.62		12.65	52	6.33	104	25.30
1975			100	16.22		101.22		12.65	104	12.65	104	25.30
1976				18.98		31.63		12.65	26	3.16	52	12.65
1977				12.65		25.30		6.33	20	2.43	52	12.65
1978				18.98		37.96		14.60	52	6.33	104	25.31
1979						50.61		6.33	52	6.33	78	15.82
1980						50.62					104	25.30
1981						44.29					104	25.30
1982			104	16.38		63.26					104	25.30
1983				12.65		50.62					52	12.65
1984				25.30		63.26		9.73			104	25.30
1985				25.30		37.96		12.65			78	18.98
1986				25.30		50.62		25.30			156	37.96
1987			104	17.03		75.91		25.30			130	31.63
1988				12.65		69.59					104	25.30
1989						88.57		12.65			104	25.30
1990						75.91		6.33			104	25.30
1991			52	7.79		94.89		18.98			208	59.05
1992						50.62		6.33			104	25.30
1993			104	16.87		101.22		9.73			156	37.98
1994			300	48.67		56.94					156	37.96
1995			52	7.30		126.53		31.63			208	50.62
1996				25.30		63.26					104	25.30
1997				18.98		82.24		12.65			104	25.30
1998				25.30		75.91		12.65			130	31.63
1999				25.30		132.86		18.98			208	59.05
2000				31.63		75.91		12.65			104	25.30
2001				18.98		69.59		18.98			130	31.63
2002				37.96		56.94		12.65			104	25.30
2003				37.96		37.96		12.65			78	18.98
2004				48.67		69.59		18.98			156	37.96
2005				18.98		63.26		18.98			156	37.96
2006				12.65		126.53					208	50.62
2007			104	16.55		151.83		18.98			208	50.62
2008			104	16.79		75.91		12.16			104	25.30
						113.88		25.30			208	50.62

**D.—EXPENDITURE FOR FOOD. (1.)—Continued.**

Bnd get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2009				\$18.98		\$75.91		\$12.65				
2010			104	16.79		126.53		19.47			208	\$50.62
2011				12.65		56.94		12.65			156	37.96
2012				37.96		63.26		9.73			156	37.96
2013				12.65		88.55		14.60			104	25.30
2014				18.98		82.24		12.65			104	25.30
2015			208	33.58		75.91		14.60			208	50.62
2016				25.31		101.22		12.65			104	25.30
2017				25.30		56.94		12.65			156	37.96
2018				25.30		101.22		25.30			130	31.63
2019				12.65		75.91		25.30			150	37.98
2020				16.55		101.22					78	18.98
2021				25.30		107.55					208	50.62
2022				18.98		50.62		6.33			130	31.63
2023						88.57		19.47			104	25.30
2024				25.30		189.79		25.30			156	37.96
2025						75.91		12.65			156	37.96
2026				16.87		82.24		18.98			52	12.65
2027				12.65		151.83		19.47			130	31.63
2028				16.87		126.53		25.30			208	50.62
2029				24.33		113.88		19.47			208	50.62
2030				18.98		126.53		12.65			104	25.30
2031				25.30		126.53		25.30			156	37.96
2032				18.98		126.53		14.60			156	37.96
2033				25.30		151.83		12.65			208	50.62
2034				25.30		126.53		25.30			260	63.26
2035				12.65		88.57		12.65			104	25.30
2036				12.65		43.84		12.65				25.30
2037						63.26		6.33			52	12.65
2038				12.65		69.59		12.65			130	31.63
2039				18.98		75.91		12.65			156	37.96
2040				12.65		82.24		25.30			130	31.63
2041				18.98		63.26		12.65			130	31.63
2042				12.65		63.26					104	25.30
2043				12.65		101.22		12.65			104	25.30
2044				25.30		82.24		25.30			156	37.96
2045				16.87		75.91					104	25.30
2046				6.33		82.24		12.65			104	25.30
2047				6.33		88.57		12.65			156	37.96
2048				12.65		52.56		12.65			78	18.98
2049				18.98		75.91		18.98			156	37.96
2050				12.65		132.86		12.65			104	25.30
2051				9.49		50.62		12.65			104	25.30
2052				25.30		132.86		25.30			156	37.96
2053				37.96		75.92					104	25.30
2054				6.33		88.57		25.30			104	25.30
2055				18.98		151.83		31.63			208	50.62
2056				21.09		88.57		12.65			156	37.96
2057				25.30		151.83		25.30			260	63.26
2058				18.98		101.22		12.65			182	44.29
2059				21.09		113.88		12.65			156	37.96
2060				18.98		151.83		25.30			156	37.96
2061				25.30		139.18		25.30			208	50.62
2062				12.65		88.57		18.98			156	37.96
2063				18.98		101.22		31.63			208	50.62
2064				18.98		126.53		31.63			260	63.26
2065				21.09		94.89		18.98			130	31.63
2066				25.30		126.53		25.30			208	50.62
2067				18.98		44.29		12.65			104	25.30
2068				18.98		50.62		18.98			156	37.96
2069				25.30		113.88		18.98			156	37.96
2070				18.98		56.94		6.33	52	\$6.33	104	25.30
2071						56.94		9.49	26	3.16	104	25.31
2072				18.98		75.92		6.33	26	3.16	104	25.31
2073				16.22		63.26		6.33			104	25.31
2074						50.62					104	25.30
2075						63.26					104	25.30
2076						56.94					104	25.30
2077						50.62					104	25.30
2078						50.62					52	12.65
2079						47.45					104	25.30
2080						44.29					104	21.09
2081						151.83					260	63.26
2082												

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Concluded.

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2083						\$75.91					200	\$48.67
2084						50.62					104	25.30
2085						31.63					52	12.65
2086						37.96		\$5.33			156	31.63
2087						50.62					104	25.30
2088			208	\$25.30	312	44.29					130	21.09
2089						44.29					104	21.09
2090						37.96					78	18.98
2091				25.30		63.26		9.73	26	\$3.16	156	37.96
2092				12.65		50.62		12.65	20	1.22	75	18.25
2093			75	12.16		75.91		6.33	52	6.33	104	25.30
2094				25.30		63.26		6.33	20	2.43	75	18.25
2095			52	6.33		63.26		6.33	52	6.33	52	12.65
2096				12.65		25.31		3.16	10	1.22	78	18.98



TABLE XIX.—STEEL : COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)

[For conclusion of expenditures of these families, see page 967, *et seq.*]

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1713	3	\$1.95	12	\$3.00	100	\$10.00	6	\$3.90	4	\$4.00	\$4.00		
1714			3	.75	50	5.00	3	1.95	2	2.00	10.00		
1715			144	36.00	192	13.44	12	8.64	12	6.00			\$18.00
1716			60	15.00	180	14.00							19.20
1717			60	16.80	96	8.64		3.00		12.00	12.00		21.00
1718			60	18.00	288	22.84	3	1.44	18	7.20		\$11.52	26.00
1719	24	8.40	60	16.80	120	12.00	3	3.00	50	25.00			12.00
1720	24	12.00	60	16.80	300	22.50	3	1.50	24	12.00	5.76		26.00
1721			48	12.00	182	12.74	12	4.80	6	3.00	18.20		48.00
1722													
1723		30.00		10.00		25.00				10.00			14.60
1724		25.00	52	10.40		26.00			26	13.00			15.00
1725		13.00	52	13.00		20.00			15	7.50			14.60
1726		15.00		14.00		20.00				10.00			14.00
1727				15.00		20.00				10.00			14.60
1728						24.00			40	20.00			7.32
1729									16	8.00			16.60
1730													
1731	25	12.50			312	18.72			12	6.00			14.60
1732						19.00			25	12.50			16.60
1733			60	18.00	432	34.56			9	4.50			32.40
1734			60	15.00	144	11.52							18.60
1735													
1736													
1737													
1738													
1739		13.00	52	13.00		30.00							14.60
1740				13.00		15.00				10.00			7.35
1741	48	28.80	96	28.80	576	43.20			48	19.20		24.00	16.80
1742			125	31.25	156	12.48	13	13.00	25	12.50			8.40
1743	36	14.40			192	19.20	6	2.40	3	1.50	21.60	12.00	15.00
1744			60	15.00	220	15.40	6	6.00					12.00
1745			72	18.00	630	50.40							18.00
1746													
1747										13.00			18.60
1748	30	15.00			300	23.00			30	15.00			16.60
1749						12.00			12	6.00			7.20
1750			96	28.80	180	14.40	8	3.60	30	15.00	7.20		16.80
1751	24	12.00	24	6.72	420	33.60	6	4.80	6	3.00		7.56	24.00
1752													
1753	15	7.50	9	2.70	240	21.60	2	1.00	8	6.00		2.00	9.00
1754	40	20.00	18	5.40	200	16.50				10.00		1.80	9.00
1755	24	12.00	12	4.20	350	31.50			12	9.00		3.00	9.00
1756	16	8.00	36	9.00	400	36.00				12.00		2.40	25.00
1757	24	12.00			700	25.50			10	6.00		2.00	
1758	26	13.00			250	20.00				14.00		1.50	18.00
1759	24	12.00	48	12.00	300	25.50			12	9.00		3.00	18.00
1760	26	13.00	24	7.20	150	13.50			7	4.20		6.60	18.00
1761	12	6.00	12	3.60	125	11.25	2	1.00	7	4.50			
1762	24	12.00	12	3.60	150	14.00				3.75			12.00
1763	12	6.00	24	7.20	250	20.00			14	10.00			18.00
1764	3	1.50	26	9.10	200	17.50			12	7.20			
1765	18	9.00	24	6.00	300	24.00				7.00		1.00	6.00
1766	20	10.00	6	1.80	100	10.80			12	10.00		2.00	20.00
1767	24	12.00			200	18.00			20	15.00		3.30	10.00
1768	30	15.00			240	21.60	2	1.00		7.00		9.20	9.00
1769	26	13.00			300	27.00				6.00		5.90	20.00
1770	12	6.00	12	3.60	400	34.00				7.50			20.00
1771	40	20.00	12	4.20	200	17.00				9.00			20.00
1772	18	9.00	12	4.26	200	18.00			10	7.50			9.00
1773	24	12.00	10	3.50	200	18.00			3	2.25			20.00
1774	24	12.00	12	4.20	260	22.20				6.00		3.00	15.00
1775	10	5.00	50	15.00	350	31.50				8.00		3.65	20.00
1776	20	10.00	80	24.00	500	42.50				12.00			28.00
1777	100	50.00	100	25.00	600	60.00			30	22.50		16.50	
1778	12	6.00	40	12.00	500	42.50			14	10.00		2.60	18.00
1779	18	9.00	12	3.60	250	22.50			6	4.50			
1780	80	32.00			600	54.00	2	1.00	22	16.00		10.00	20.00
1781	13	6.50			150	14.00				4.00		2.00	9.00
1782	26	13.00	24	7.20	400	34.00	2	1.00	14	8.00		1.60	9.00
1783	26	14.40	40	10.00	250	22.50			20	12.00			20.00
1784	50	20.00			300	27.00			12	8.40			18.00
1785	20	10.00	60	15.00	300	27.00			12	7.20			
1786	50	25.00			300	27.00			14	8.40		3.75	9.00

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1787	24	\$12.00	24	\$6.00	250	\$22.50	-----	-----	14	\$8.00	-----	\$3.00	-----
1788	20	10.00	48	24.00	350	31.50	2	\$1.00	2	1.50	-----	1.00	\$20.00
1789	40	20.00	-----	-----	300	26.00	2	1.00	10	9.00	-----	2.00	18.00
1790	48	24.00	-----	-----	300	25.50	-----	-----	16	12.00	-----	4.30	-----
1791	24	12.00	45	13.50	400	34.00	-----	-----	30	18.00	-----	-----	9.00
1792	12	6.00	2	.60	100	9.00	-----	-----	5	3.70	-----	2.00	-----
1793	48	24.00	-----	-----	300	27.00	-----	-----	12	10.00	-----	-----	9.00
1794	20	10.00	18	5.40	300	27.00	-----	-----	-----	12.00	-----	5.60	8.00
1795	12	6.00	-----	-----	300	25.50	-----	-----	16	12.00	-----	3.90	20.00
1796	18	9.00	48	14.40	250	21.25	-----	-----	-----	4.50	-----	2.00	9.00
1797	12	6.00	24	6.00	300	24.00	-----	-----	-----	4.50	-----	4.60	10.00
1798	26	13.00	-----	-----	250	22.50	-----	-----	14	10.00	-----	2.00	6.00
1799	26	13.00	48	14.40	600	54.00	-----	-----	14	10.50	-----	3.00	9.00
1800	24	12.00	50	12.50	600	50.00	-----	-----	-----	12.25	-----	3.30	50.00
1801	12	6.00	24	7.20	300	27.00	-----	-----	12	9.00	-----	2.00	7.00
1802	26	13.00	-----	-----	250	22.50	-----	-----	6	4.50	-----	3.00	-----
1803	48	24.00	-----	-----	300	25.50	-----	-----	-----	10.50	-----	-----	20.00
1804	12	6.00	12	3.00	240	21.60	-----	-----	18	13.50	-----	3.00	9.00
1805	24	12.00	-----	-----	240	21.60	-----	-----	12	8.00	-----	1.50	18.00
1806	12	6.00	24	7.20	175	15.00	-----	-----	20	12.00	-----	2.30	7.00
1807	10	5.00	28	8.40	130	11.70	-----	-----	-----	6.00	-----	1.80	9.00
1808	24	12.00	48	14.40	360	32.40	5	5.00	14	10.00	-----	3.00	24.00
1809	26	13.00	-----	-----	500	45.00	-----	-----	18	14.00	-----	-----	18.00
1810	24	12.60	12	3.60	200	17.00	-----	-----	10	8.50	-----	-----	18.00
1811	24	12.00	18	4.50	350	31.50	-----	-----	10	6.00	-----	5.00	12.00
1812	-----	-----	26	7.80	100	9.00	-----	-----	14	11.00	-----	-----	6.00
1813	24	12.00	-----	-----	300	24.00	-----	-----	6	3.00	-----	1.50	-----
1814	7	3.50	20	6.00	150	13.50	-----	-----	12	9.00	-----	-----	8.00
1815	5	2.50	10	2.80	104	7.28	3	1.80	7	4.20	-----	3.36	10.92
1816	12	6.00	24	7.72	265	18.55	4	2.00	15	9.00	-----	7.08	21.90
1817	34	11.90	17	4.76	120	8.40	3	1.50	24	12.00	-----	1.40	12.00
1818	8	4.00	12	3.36	125	12.50	2	1.20	8	4.80	-----	5.05	10.92
1819	12	3.60	-----	-----	133	9.31	-----	-----	9	4.50	-----	5.76	3.12
1820	15	7.50	22	6.16	212	14.84	4	2.00	13	7.80	-----	19.25	21.90
1821	48	24.00	-----	-----	343	23.94	-----	-----	17	8.50	-----	2.56	21.90
1822	10	3.50	12	3.00	256	17.99	-----	-----	7	3.50	-----	10.72	-----
1823	-----	5.25	-----	13.25	-----	18.00	-----	-----	-----	16.00	-----	-----	-----
1824	-----	2.00	-----	13.50	-----	16.00	-----	-----	-----	8.00	-----	-----	-----
1825	-----	4.00	-----	22.00	-----	18.00	-----	-----	-----	18.00	-----	-----	-----
1826	-----	2.00	-----	7.50	-----	11.00	-----	-----	-----	15.00	-----	-----	-----
1827	-----	3.00	-----	13.00	-----	26.00	-----	2.50	-----	11.50	-----	-----	-----
1828	-----	-----	-----	-----	-----	20.00	-----	-----	-----	15.00	-----	-----	-----
1829	-----	.50	-----	19.50	-----	15.00	-----	-----	-----	15.00	-----	-----	-----
1830	-----	5.00	-----	13.00	-----	-----	-----	-----	-----	15.00	-----	-----	-----
1831	-----	1.00	-----	12.00	-----	-----	-----	-----	-----	22.00	-----	-----	-----
1832	-----	-----	-----	13.00	-----	12.00	-----	-----	-----	15.00	-----	-----	-----
1833	-----	1.25	-----	14.00	-----	-----	-----	-----	-----	16.00	-----	-----	20.00
1834	38	19.00	30	9.00	253	20.24	3	1.95	5	3.50	-----	9.00	9.72
1835	42	21.00	20	6.00	262	20.96	3	1.95	5	3.50	-----	8.40	16.86
1836	50	25.00	30	9.00	282	22.50	4	2.60	8	5.60	-----	12.00	13.26
1837	40	20.00	48	14.40	282	22.56	4	2.60	6	4.20	-----	10.32	11.52
1838	40	20.00	30	9.00	241	19.28	2	1.30	5	3.50	-----	8.40	9.66
1839	31	15.50	48	14.40	291	23.28	3	1.95	7	4.90	-----	7.44	8.76
1840	31	15.50	40	12.00	342	19.36	3	1.95	6	4.20	-----	9.36	9.66
1841	52	26.00	38	11.40	323	25.84	5	3.75	13	9.10	-----	15.72	16.22
1842	24	12.00	40	12.00	210	16.80	2	1.30	6	4.20	-----	7.44	7.86
1843	20	10.00	46	13.80	241	19.28	4	2.60	6	4.20	-----	8.40	8.46
1844	21	10.50	38	11.40	212	16.96	5	3.35	7	4.90	-----	8.76	7.50
1845	40	20.00	35	10.50	266	21.28	2	1.30	5	3.50	-----	7.80	7.80
1846	45	22.50	18	5.40	265	21.20	3	1.95	4	3.20	-----	9.60	8.52
1847	4	2.50	75	18.75	115	9.00	-----	-----	12	6.50	-----	-----	14.00
1848	2	1.50	10	2.75	68	6.00	-----	-----	12	6.00	-----	-----	12.80
1849	40	20.00	48	14.40	300	24.00	5	3.20	12	8.40	-----	14.52	15.72
1850	31	15.50	36	10.80	210	16.80	2	1.30	7	4.90	-----	8.40	12.72
1851	35	17.50	48	14.40	272	21.76	5	3.25	10	7.00	-----	11.04	11.46
1852	36	18.00	43	12.90	219	17.52	3	1.95	8	5.60	-----	9.00	12.00
1853	24	12.00	35	10.50	212	16.96	4	2.60	8	5.60	-----	9.00	9.78
1854	41	20.50	23	6.90	191	15.28	3	1.95	7	4.90	-----	10.80	12.84
1855	32	16.00	28	8.40	191	15.28	3	1.95	8	5.60	-----	10.08	10.08
1856	41	20.50	28	8.40	210	16.80	4	2.60	8	5.60	-----	9.06	11.46
1857	30	15.00	28	8.40	210	16.80	2	1.30	6	4.20	-----	7.20	12.72
1858	40	20.00	33	9.90	261	20.88	4	2.60	10	7.00	-----	10.56	13.20
1859	30	15.00	40	12.00	222	9.78	5	3.25	10	7.00	-----	9.60	11.40
1860	31	15.50	36	10.80	221	17.68	3	1.95	5	3.50	-----	8.40	8.16

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
1861	38	\$19.00	20	\$6.00	215	\$17.20	4	\$2.60	3	\$2.10	.....	\$8.40	\$7.32
1862	45	22.50	15	4.50	212	16.06	3	1.95	8	5.60	.....	9.00	8.46
1863	38	19.00	30	9.00	181	14.48	5	3.20	7	4.90	.....	7.80	8.76
1864	33	16.50	25	7.50	196	15.68	5	3.25	9	6.30	.....	7.56	6.60
1865	21	10.50	38	11.40	213	17.04	2	1.30	8	5.60	.....	9.00	12.72
1866	42	21.00	28	8.40	240	19.20	4	2.60	5	3.50	.....	7.44	9.72
1867	30	15.00	30	9.00	262	20.96	5	3.75	8	5.60	.....	9.36	10.02
1868	41	20.50	22	6.60	214	17.12	3	1.95	7	4.90	.....	9.00	10.26
1869	21	10.50	36	10.80	315	25.20	6	3.90	10	7.00	.....	13.20	12.00
1870	38	19.00	21	6.30	190	15.20	3	1.95	6	4.20	.....	8.40	6.66
1871	4	2.00	12	3.00	80	6.40	1	.60	8	4.40	.....	5.75	14.56
1872	3	1.50	30	7.50	100	8.00	.....	.....	12	6.00	.....	2.45	14.56
1873	5	2.00	50	12.50	150	12.00	.....	.....	15	6.00	.....	2.75	7.20
1874	4	2.00	20	5.00	95	7.60	2	1.20	8	4.40	.....	3.15	14.56
1875	12	6.00	72	18.00	225	18.00	3	1.80	52	26.00	.....	5.60	29.20
1876	6	3.60	48	12.00	150	12.00	2	1.60	12	6.00	.....	6.90	.....
1877	5	2.50	35	8.75	100	8.00	2	1.20	12	6.60	.....	3.50	29.00
1878	1	.50	50	12.25	127	10.16	.....	.....	15	8.25	.....	2.00	14.56
1879	.....	.....	50	12.25	90	7.20	.....	.....	10	5.00	.....	.....	.....
1880	.....	.....	48	12.00	150	12.00	.....	.....	24	13.20	.....	3.80	29.20
1881	.....	.....	52	13.00	150	12.00	.....	.....	12	6.60	.....	3.00	24.00
1882	2	1.00	32	8.00	96	7.68	1	.60	12	6.60	.....	.75	14.56
1883	3	1.50	150	12.50	150	12.00	.....	.....	15	7.50	.....	5.25	29.20
1884	.....	.....	104	26.00	187	15.00	.....	.....	20	10.00	.....	.....	.....
1885	12	7.20	36	9.00	286	22.88	17	10.20	10	5.00	.....	8.40	14.56
1886	6	3.60	26	6.50	54	4.32	.....	.....	12	6.50	.....	4.50	14.56
1887	2	1.00	30	7.50	97	7.76	2	1.20	6	3.50	.....	3.20	14.56
1888	1	.50	52	13.00	90	7.20	3	1.80	13	7.15	.....	.....	12.00
1889	2	1.00	96	24.00	150	12.00	2	1.00	20	10.00	.....	8.40	.....
1890	5	2.50	18	4.50	90	7.20	.....	.....	12	6.00	.....	1.75	12.00
1891	3	1.50	27	6.75	145	11.60	1	.80	13	7.15	.....	3.10	20.00
1892	16	9.60	52	13.00	200	16.00	.....	.....	12	6.60	.....	4.20	14.56
1893	24	14.40	25	6.25	150	12.00	12	7.20	25	13.75	.....	3.00	.....
1894	2	1.00	30	7.50	80	6.40	1	.80	8	4.00	.....	2.80	12.00
1895	12	6.00	70	17.50	300	24.00	10	8.00	39	21.45	.....	12.00	29.20
1896	.....	.....	54	15.25	120	9.71	.....	.....	.....	3.47	.....	.....	13.90
1897	.....	.....	.....	6.80	.....	9.76	.....	.....	.....	14.28	.....	.....	9.04
1898	.....	.....	.....	4.29	.....	2.62	.....	.....	.....	10.71	.....	.....	6.78
1899	.....	.....	.....	7.31	.....	8.76	.....	.....	.....	6.90	.....	1.07	9.88
1900	.....	.....	.....	7.37	.....	16.28	.....	.....	.....	5.71	.....	3.91	18.80
1901	.....	.....	.....	4.04	.....	9.99	.....	.....	.....	4.52	.....	1.24	8.14
1902	.....	.....	.....	4.45	.....	7.14	.....	.....	.....	3.57	.....	2.86	11.42
1903	.....	.....	.....	7.41	.....	4.00	.....	.....	.....	.....	.....	.....	.....
1904	.....	.....	.....	3.71	.....	4.57	.....	.....	.....	.....	.....	4.99	.....
1905	.....	.....	.....	7.33	104	8.42	.....	.....	.....	5.24	.....	2.48	2.02
1906	.....	.....	.....	6.25	.....	8.33	.....	.....	.....	5.71	.....	1.79	7.85
1907	.....	.....	.....	7.05	.....	11.65	.....	.....	.....	31.42	.....	.....	13.90
1908	.....	.....	.....	6.07	96	7.77	.....	.....	.....	4.28	.....	.....	8.69
1909	.....	.....	.....	4.88	.....	1.55	.....	.....	.....	0.28	.....	.....	3.81
1910	.....	.....	.....	5.01	.....	11.08	.....	.....	.....	6.31	.....	1.29	10.68
1911	.....	.....	.....	12.13	.....	13.36	.....	.....	.....	11.42	.....	.....	13.03
1912	.....	.....	.....	10.47	.....	12.38	.....	.....	.....	33.32	.....	.....	11.90
1913	.....	.....	.....	6.32	.....	4.21	.....	.....	.....	11.61	.....	.....	8.57
1914	.....	.....	.....	6.41	.....	14.00	.....	.....	.....	4.76	.....	.....	13.90
1915	.....	.....	.....	4.14	.....	10.52	.....	.....	.....	5.78	.....	3.15	1.43
1916	.....	.....	.....	3.58	.....	7.52	.....	.....	.....	8.57	.....	3.98	1.95
1917	.....	.....	.....	5.86	.....	9.48	.....	.....	.....	5.31	.....	2.50	4.52
1918	.....	.....	.....	5.29	.....	12.92	.....	.....	.....	5.26	.....	1.33	11.26
1919	.....	.....	.....	6.13	.....	7.77	.....	.....	.....	5.47	.....	.....	9.52
1920	.....	.....	.....	4.58	.....	10.54	.....	.....	.....	5.88	.....	1.79	5.24
1921	.....	.....	.....	5.71	.....	6.19	.....	.....	.....	5.95	.....	.....	6.85
1922	.....	.....	.....	4.52	.....	8.09	.....	.....	.....	6.66	.....	5.24	4.30
1923	.....	.....	.....	5.43	.....	8.27	.....	.....	.....	4.90	.....	5.06	7.09
1924	.....	.....	.....	6.60	.....	7.48	.....	.....	.....	8.14	.....	.....	2.80
1925	.....	.....	.....	4.22	.....	6.81	.....	.....	.....	6.06	.....	1.73	4.90
1926	.....	.....	.....	5.45	.....	7.48	.....	.....	.....	8.09	.....	2.04	7.08
1927	.....	.....	.....	4.71	96	7.51	.....	.....	.....	7.62	.....	.24	8.69
1928	.....	.....	.....	4.85	.....	5.48	.....	.....	.....	10.95	.....	3.09	8.57
1929	.....	.....	.....	8.87	.....	7.31	.....	.....	.....	9.04	.....	2.19	12.85
1930	.....	.....	.....	7.41	.....	7.31	.....	.....	.....	2.86	.....	1.24	8.60
1931	30	18.24	.....	7.30	400	20.28	.....	.....	.....	16.22	.....	.....	25.31
1932	26	15.82	.....	.....	200	8.11	.....	.....	.....	6.57	.....	.....	21.08
1933	36	17.52	.....	.....	260	10.52	.....	.....	.....	8.11	.....	.....	25.83
1934	39	23.72	.....	.....	.....	.....	.....	.....	.....	9.12	.....	12.65	31.62
1935	40	19.47	.....	.....	300	12.17	.....	.....	.....	11.92	.....	.....	12.65



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Budget number.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poultry.	Fish.	Milk.
1936	26	\$12.65			208	\$8.44				\$5.27		\$3.16	\$15.82
1937										4.87			6.33
1938	35	17.03			300	12.17				14.76			12.65
1939	52	25.31			312	12.65				15.82			18.98
1940	26	11.60			156	6.33				14.77			12.65
1941	26	14.23			300	12.17				10.14			28.47
1942	52	25.31			400	16.22				12.65		6.33	18.98
1943	39	15.82			156	6.33				12.65			12.65
1944	30	14.60			120	4.87				5.27			15.82
1945	20	9.73			104	4.22						3.16	6.33
1946	26	14.23	13	\$4.74	208	8.44				6.08			15.82
1947	26	12.65			156	6.33				6.57		6.33	18.98
1948	26	12.65	26	9.40	208	8.44				15.82			7.38
1949	26	11.07			104	4.22				8.11			12.65
1950	26	12.65			200	8.11				7.38			10.54
1951	26	11.60	15	5.47	200	8.11				13.71			12.65
1952	26	12.65			208	8.44				7.90		6.33	10.54
1953	30	16.42			156	8.11				6.08			12.65
1954		31.63				7.91				12.65			2.11
1955													
1956	26	12.65			52	2.11				6.33			2.11
1957	39	18.98			156	6.33				12.65			7.40
1958	26	12.65			104	4.22				18.98			3.69
1959	20	9.73			104	4.22				9.49			2.10
1960	26	12.65			104	4.22				6.33			2.11
1961	30	14.60			156	7.91				12.65			
1962	52	25.30			260	10.54				25.30			3.69
1963	20	9.73			104	4.22				12.65			3.69
1964	52	25.30			312	12.65				12.65			11.09
1965													
1966	26	15.82			104	5.27				6.33			3.16
1967	26	12.65			78	3.16				9.49			3.69
1968	26	12.65			78	3.16				22.15			12.65
1969	26	14.76			104	5.27				3.16			3.65
1970	40	19.47			208	8.44				12.65			7.40
1971													
1972	30	14.60			104	4.14				13.14			4.22
1973	52	23.20			400	16.22				14.11			18.98
1974	52	28.47			500	20.28				13.38			10.54
1975	26	11.59			104	4.22		\$3.16		6.09			18.98
1876	26	11.59			104	4.22				4.87			6.33
1977	52	25.31			300	12.65				12.65		18.98	28.47
1978	26	11.61			208	8.44				8.44			12.65
1979	26	15.82			104	6.33				9.49			
1980	26	12.65			104	4.22				6.33			2.11
1981	26	12.65			104	4.22				18.98			7.40
1982	26	12.65			104	5.27				9.13		18.98	18.98
1983	40	19.47	10	3.65	208	12.65				20.28		31.63	19.47
1984	20	12.16	10	4.05	130	7.91				11.07		12.65	15.82
1985	30	18.25	10	3.65	200	12.16				9.89		18.98	22.15
1986	26	12.65			234	11.86				14.76		25.30	18.98
1987	20	9.73	15	4.87	104	6.33				7.79		25.30	18.98
1988	26	12.65	13	4.87	156	9.49				4.87		12.65	12.65
1989	26	12.65	13	4.87	156	9.49				5.36		12.65	12.65
1990	20	12.16	13	5.27	156	9.49				16.22		12.65	25.30
1991	26	15.82	13	5.27	103	6.27				3.65		12.65	14.60
1292	26	12.65	13	5.27	156	9.49				3.41		12.65	24.33
1993	52	25.30	13	5.27	104	5.19				9.73		18.98	
1994	52	31.63	26	10.54	208	10.54				14.76		31.63	31.63
1995	26	15.82	10	4.05	104	6.33				3.89		12.65	12.65
1996	26	17.40			130	7.91				7.38		16.87	18.98
1997	20	12.16			130	7.91				8.23		6.33	21.09
1998	30	20.08	15	6.09	312	18.98				14.19		25.30	25.30
1999	26	15.82			260	15.82				11.07		12.65	22.15
2000	20	18.25			130	7.91				19.22			18.98
2001	26	15.82	12	4.87	104	6.33				7.38		12.65	14.76
2002	20	9.73			100	6.09				11.07		12.65	18.98
2003	35	21.29	10	4.05	302	18.37				16.22		12.65	18.98
2004	40	24.33			156	6.45				11.07		12.65	18.98
2005	30	18.25	20	8.11	208	12.28				7.30			31.63
2006	40	19.47	15	6.09	208	10.54				12.65		12.65	25.30
2007	26	12.65	13	4.87	104	6.33				7.79		18.98	18.98
2008	40	19.47	20	8.03	208	10.46				12.16		25.30	31.63
2009	40	19.47	10	3.65	208	10.46				10.13		18.98	25.30

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2010	40	\$19.47	24	\$9.73	156	\$9.49				\$7.79		\$25.30	\$25.30
2011	26	12.65	13	5.27	200	12.16				12.65		12.65	25.30
2012	26	12.65			104	6.33				8.52		25.30	31.63
2013					156	9.49				12.16		12.65	31.63
2014	52	25.30	20	7.30	260	15.82				14.60		18.98	25.30
2015	26	12.65	26	10.46	156	9.49				9.73		12.65	25.30
2016	52	25.30			208	10.46				12.16		50.62	25.30
2017	20	11.35	10	3.65	127	7.73				3.69			14.77
2018	30	14.60	12	4.38	208	12.65				7.30		12.65	25.30
2019	26	15.82			156	9.49				3.69		6.33	12.65
2020	35	25.55	20	8.11	156	9.49				9.73		25.30	25.30
2021	26	15.82			130	7.91				3.69		12.65	12.65
2022	26	12.65	13	5.27	104	5.19				8.44			12.65
2023	30	14.60	20	8.11	156	9.49				2.92			25.30
2024	39	23.73	13	5.27	156	9.49				11.07		25.30	25.30
2025	26	12.65			104	5.29				7.38		12.65	12.65
2026	24	14.60			130	7.91				9.93		12.65	31.63
2027	52	25.30	13	4.74	208	12.65				16.22		6.33	25.30
2028	28	20.44			208	12.65				8.44		9.49	37.96
2029					260	15.82				13.38		25.30	31.63
2030	20	9.73	10	4.05	104	5.28				11.07		12.65	18.98
2031	30	18.25	20	8.11	156	9.49				13.62		18.98	18.98
2032	52	31.63	26	20.93	208	12.65				9.73		31.63	25.30
2033	52	25.30		12.65	208	12.65				14.76		18.98	25.30
2034	32	19.47	13	5.27	234	14.23				11.35		18.98	25.30
2035	30	14.60	13	5.27	156	9.49				11.07		12.65	25.30
2036	20	9.73	10	3.65	100	6.09				3.16		2.16	12.65
2037	20	9.73	13	5.27	78	4.74				3.65		8.44	6.33
2038	26	17.40			130	7.91				5.19			18.98
2039	26	15.82	13	5.27	156	9.49				7.38		12.65	15.82
2040	26	15.82			130	7.91				4.22		9.49	18.98
2041	26	15.82			104	6.33				3.65		6.33	15.82
2042	26	15.82			104	6.33				7.38		3.16	12.65
2043	26	15.82	5	2.03	104	6.33				4.87		6.33	
2044	20	17.03			156	9.49				4.87		12.65	15.82
2045	26	12.65			104	6.33				5.68		12.65	
2046	20	12.16			104	6.33				3.69		6.33	15.82
2047	26	12.65	10	3.65	260	13.18				3.69		6.33	25.30
2048	20	9.73			104	5.27				7.38			12.65
2049	26	14.23	12	4.38	104	6.33				7.38		12.65	18.98
2050	26	15.82			156	9.49				4.87		12.65	12.65
2051	20	9.73			200	10.13				11.07		9.49	23.20
2052	46	27.98	20	8.11	260	15.82				11.07		12.65	25.30
2053	26	15.82	13	5.27	156	9.49				7.30		12.65	18.98
2054	13	6.33	13	4.74	104	5.27				11.92		3.16	18.98
2055	32	19.47			260	15.82				11.07		6.33	18.98
2056	26	15.82	5	2.03	156	9.49				8.44		12.65	25.30
2057	30	18.25	13	5.27	208	12.65				16.22		12.65	25.30
2058	28	17.03	16	6.49	182	11.07				7.30		9.49	25.30
2059	26	15.82			156	9.49				13.62		12.65	37.96
2060	40	26.76			208	12.64				13.62		12.64	28.20
2061	26	15.82	15	6.09	312	18.98				14.19		12.65	18.98
2062	50	24.33			312	18.98				14.76		12.65	25.30
2063	32	21.42			312	18.98				8.23		12.64	25.30
2064	40	22.15	15	6.09	312	18.98				9.89		12.65	31.63
2065	20	12.16	10	4.05	250	15.21				12.77		12.64	16.87
2066	44	32.12			286	17.40				7.38		25.30	31.63
2067	18	10.95			104	6.33				5.68		18.98	23.20
2068	20	9.73	15	5.48	156	9.49				16.75		12.65	25.30
2069	26	18.98	13	5.27	208	12.65				11.07		18.98	15.82
2070	52	23.20			208	8.44	\$1.82			15.09			12.65
2071	26	14.23			120	4.87				6.33		6.33	21.09
2072	40	19.47			200	8.11				16.22			9.49
2073	26	12.65			208	8.43				7.91			18.98
2074	39	18.98			156	6.33		2.43		9.49			11.09
2075	30	18.25			182	9.23				8.44			4.22
2076	26	15.82			104	5.27				6.33			7.40
2077	26	15.82			104	5.27				6.33			2.11
2078	26	15.82			104	4.22				6.33			2.10
2079	20	12.16			104	5.27				6.33			3.69
2080	30	14.60			156	6.33				18.98			7.40
2081	78	37.98			416	16.89				25.30			
2082													
2083		25.30			200	8.11				18.98			

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Concluded.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2084	30	\$14.60	.....	.....	104	\$4.22	.....	.....	.....	\$14.60	.....	.....	\$7.40
2085	20	9.73	.....	.....	78	3.16	.....	.....	.....	6.33	.....	.....	7.40
2086	40	19.47	.....	.....	156	6.33	.....	.....	.....	15.21	.....	.....	7.40
2087	30	18.25	.....	.....	156	7.91	.....	.....	.....	6.33	.....	.....	3.65
2088	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2089	26	12.65	.....	.....	104	4.22	.....	.....	.....	12.65	.....	.....	3.16
2090	20	9.73	.....	.....	78	3.16	.....	.....	.....	6.33	.....	.....	7.40
2091	52	23.20	.....	.....	104	4.22	.....	\$1.82	.....	14.11	.....	.....	15.82
2092	30	14.60	.....	.....	104	4.22	.....	.....	.....	6.09	.....	.....	7.38
2093	40	24.33	.....	.....	300	12.16	.....	.....	.....	7.06	.....	.....	12.65
2094	30	13.38	.....	.....	260	10.54	.....	.....	.....	9.97	.....	.....	10.54
2095	40	19.47	.....	.....	300	12.16	.....	.....	.....	6.09	.....	.....	7.38
2096	20	8.03	.....	.....	78	3.16	.....	.....	.....	4.87	.....	.....	.....



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)

Bud- get num- ber.	Cost of—							
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).
1713	\$38.40						\$3.00	\$12.00
1714	34.80						3.30	16.00
1715	9.60	\$13.20						27.00
1716	24.90						36.00	24.00
1717	11.00				\$12.00		4.40	36.00
1718	31.44				12.00		1.20	24.00
1719	39.00						9.10	36.00
1720	30.00				12.00		2.40	15.60
1721	36.30				6.00		2.40	24.00
1722								240.00
1723	30.00							45.00
1724	31.45							15.00
1725	36.00							25.00
1726	20.00							25.00
1727	18.00							20.00
1728	40.00						20.00	32.00
1729	18.00				20.00		20.00	30.00
1730								300.00
1731	24.00			\$9.36			2.00	6.00
1732	25.00				10.00		6.00	36.00
1733	33.00				48.00		1.80	12.00
1734	13.00						16.80	24.00
1735								360.00
1736								360.00
1737								360.00
1738								480.00
1739	23.00	26.00						25.00
1740	25.00							10.00
1741	69.00						9.60	24.00
1742	60.00	13.50					4.80	50.00
1743	25.20				12.00		3.60	6.00
1744	41.50						12.00	15.00
1745	78.00						36.00	28.00
1746								300.00
1747	48.10							124.00
1748	24.00				10.00		6.00	24.00
1749		15.60					6.00	10.00
1750	18.00							15.00
1751	27.00						4.80	12.00
1752								240.00
1753	29.00						4.60	18.00
1754	3.00	14.90		1.60	3.00			30.00
1755	25.00	1.50		2.40	2.00		3.75	30.00
1756	27.00				6.00		0.70	20.00
1757	4.50	50.00		2.56				10.00
1758	36.00	1.20		1.60	3.00		3.60	20.00
1759	70.00				4.00		1.80	20.00
1760	3.00	23.00		1.00			1.00	15.00
1761	26.00	1.08		3.20			2.90	12.00
1762	28.00	1.20		1.90	2.50		4.05	20.00
1763	63.00	7.20		1.92			5.50	25.00
1764	2.00	84.00					7.80	20.00
1765	28.50	1.00					3.35	20.00
1766	21.00						3.90	15.00
1767	1.90	18.00		2.24			4.00	20.00
1768	30.00	2.00		2.40	2.50		1.80	30.00
1769	30.00	1.20			2.00		2.75	30.75
1770	28.00	1.90		2.56	3.00		5.00	25.00
1771	30.00			4.80			2.92	30.00
1772	14.00	2.40					2.00	20.96
1773	12.00	1.20		1.00	4.50		1.55	25.00
1774	18.00	2.40					1.80	26.60
1775	26.00	2.00		3.20	2.00		2.00	20.50
1776	30.50	1.60					5.50	30.00
1777	75.00	2.00		6.00	4.00		6.60	40.00
1778	72.50	1.20		4.80			3.60	30.00
1779	21.00	1.60		3.20			7.00	16.00
1780	75.00			2.24	2.00		2.55	30.00
1781	10.50	2.00					3.60	14.00
1782	42.00				2.00		9.30	18.00
1783	39.00	1.00		2.56	1.00		1.80	20.00
1784	2.90	71.00		3.20			4.00	25.00
1785	3.00	51.20		1.60			4.10	30.00
1786	34.00	1.00	\$0.90		20.00		1.85	20.00
1787	39.00	2.00	1.00				4.00	25.00
1788	52.00		.70				3.40	16.00
1789	37.00	1.00						30.00

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
1790	\$71.00	\$2.00					\$6.80	\$18.00	\$340.10
1791	78.00	1.50		\$1.92	\$1.50		3.00	18.00	292.52
1792	30.00						2.40	20.96	105.11
1793	1.50	38.50	\$0.80				1.90	20.00	213.80
1794	35.00	7.20		3.20			4.05	30.00	265.70
1795	18.00	12.00					3.35	30.00	233.55
1796	14.00	6.00		4.80			1.30	20.00	204.75
1797	2.50	31.12					2.10	15.00	176.82
1798	61.25						2.99	20.00	253.24
1799	28.00	1.00		4.80	1.00		6.20	30.00	305.30
1800	70.00	2.00			3.00		6.40	30.00	533.25
1801	.90	51.00		1.90			3.40	16.00	234.00
1802		77.85			1.00		4.10	16.00	259.45
1803	28.00	19.20		2.80			4.25	20.00	339.25
1804	25.50	6.00					3.90	15.00	198.00
1805	60.00	1.00		3.20			4.80	20.96	250.06
1806	1.90	51.20					2.20	22.00	229.30
1807	7.00	12.00					3.50	20.00	154.40
1808	28.00			4.80	1.75		3.25	25.00	321.60
1809	68.00	12.00					6.30	20.00	373.60
1810	1.00	56.00		1.80			4.50	20.00	311.90
1811	40.00		.80				4.50	20.00	267.30
1812	28.00	4.00		2.80			6.75	20.90	165.75
1813	10.00	6.00					6.00	15.00	143.00
1814	39.50						5.20	18.00	168.80
1815	10.50	3.20			3.00	\$1.15	3.75	2.75	147.49
1816	55.00	3.60				2.00	10.00	8.00	352.65
1817	15.66	1.20			6.25	1.75		5.00	197.57
1818	13.25	1.84			11.00	1.15	2.00		209.48
1819	7.50	1.20			2.50	1.00	4.75	15.25	140.97
1820	36.65	8.00			14.15	5.25	10.00	7.50	349.77
1821	63.00				25.92	2.55	17.80	7.40	402.89
1822	20.75	1.60			2.50	1.25	6.75	75.75	219.81
1823	41.00				4.00		19.00	20.00	251.50
1824	39.00						18.00	12.00	163.00
1825	49.00				16.50			20.00	319.50
1826	39.00						10.00	18.00	232.50
1827	45.50						11.00	12.50	180.00
1828	18.00				15.00		10.00	44.00	197.00
1829	35.00						5.00	10.00	170.00
1830	26.80						38.00	15.00	200.80
1831	30.00						12.00	18.00	148.00
1832	52.00						15.00	10.00	180.00
1833	42.50				6.00		18.00	12.00	204.75
1834	14.00	1.15		2.80	2.40		3.21	50.00	219.95
1835	16.40	1.80		3.00	3.20		4.11	45.00	241.78
1836	36.12	2.40		4.20	4.80		6.95	56.00	332.97
1837	23.24	1.00		2.40	3.20		6.63	36.00	264.09
1838	18.44	1.56		3.20	2.40		5.00	38.00	218.70
1839	16.84	1.50		4.20	4.00		4.93	45.00	254.68
1840	16.60	2.69		4.00	3.20		4.22	42.00	226.14
1841	21.24	5.86		6.20	4.80		7.08	68.00	359.73
1842	16.40	1.20		2.00	3.20		3.43	40.00	207.21
1843	16.12	3.40		4.00	4.00		5.82	45.00	222.00
1844	16.40	1.00		2.40	3.20		5.11	40.00	208.14
1845	14.72	1.75		2.80	3.20		3.12	28.00	203.13
1846	14.60	1.25		3.20	4.00		3.51	38.00	215.27
1847	21.00				14.50		18.00	12.00	217.25
1848	30.00				10.00		18.00	10.00	153.05
1849	24.36	1.80		4.00	4.80		6.20	56.00	336.28
1850	16.84	1.00		1.60	4.00		3.49	36.00	215.17
1851	23.00	4.56		4.00	4.00		4.47	41.00	282.50
1852	20.84	1.50		3.60	4.00		5.08	48.00	274.65
1853	20.00	1.20		2.60	2.40		3.36	32.00	212.64
1854	19.20	1.00		2.60	4.00		4.24	25.00	218.53
1855	16.60	1.00		3.00	2.40		4.43	38.00	219.90
1856	17.60	4.30		2.00	2.40		3.00	42.00	237.72
1857	17.52	1.56			3.20		2.10	38.00	216.68
1858	21.40	2.16		4.00	4.80		5.26	55.00	302.48
1859	21.24	3.06		2.00	3.20		4.51	28.00	214.52
1860	15.40	2.00		2.00	2.40		3.80	36.00	203.05
1861	14.60	1.80		2.40	3.20		3.47	45.00	208.19
1862	20.40	1.44		2.00	3.20		4.35	35.00	228.76
1863	19.24	1.20		3.40	3.20		4.19	45.00	228.93
1864	16.60	1.00		2.00	2.40		3.52	30.00	201.73
1865	20.00	1.20		3.29	4.00		4.24	50.00	247.26
1866	19.20	1.00		3.60	3.20		3.95	42.00	227.43

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
1867	\$16.00	\$1.50	-----	\$3.20	\$2.40	-----	\$3.95	\$32.00	\$223.18
1868	16.84	3.44	-----	3.20	4.00	-----	4.29	40.00	240.76
1869	26.00	1.80	-----	2.00	4.00	-----	6.03	36.00	276.63
1870	15.64	1.20	-----	2.00	2.40	-----	3.31	30.00	186.10
1871	7.88	1.60	-----	-----	2.00	\$0.50	5.00	2.00	125.49
1872	15.75	1.36	-----	4.50	1.75	.75	6.60	2.00	175.87
1873	-----	27.28	-----	-----	4.50	-----	11.00	3.00	199.23
1874	10.50	2.40	-----	-----	-----	1.00	4.50	5.00	152.41
1875	45.45	2.40	-----	14.40	17.63	1.25	18.20	-----	373.37
1876	32.40	1.60	-----	3.00	14.50	1.00	20.00	5.00	278.22
1877	16.50	1.60	-----	-----	4.00	1.00	13.50	5.00	234.00
1878	21.25	2.56	-----	-----	-----	1.15	7.25	5.00	200.43
1879	16.80	2.00	-----	3.80	1.75	1.20	6.20	3.00	154.90
1880	25.20	1.60	-----	-----	-----	2.00	7.00	5.00	197.09
1881	7.50	4.00	-----	-----	6.00	1.10	10.80	4.00	186.28
1882	11.00	2.80	-----	-----	-----	.75	8.20	3.00	202.24
1883	31.50	1.60	-----	-----	3.50	1.50	6.00	5.00	259.85
1884	45.00	6.88	-----	-----	17.60	2.25	12.00	4.00	322.73
1885	44.37	3.20	-----	-----	10.89	4.00	15.20	-----	260.60
1886	10.50	.96	-----	-----	4.00	1.00	6.00	4.00	147.17
1887	10.50	-----	-----	3.75	2.00	.75	12.96	2.25	161.63
1888	28.00	2.40	-----	-----	-----	1.00	11.00	4.00	189.26
1889	38.50	2.88	-----	-----	9.50	2.00	22.00	5.00	298.01
1890	10.50	-----	-----	-----	2.00	.75	8.00	3.00	159.30
1891	16.50	2.40	-----	-----	5.00	1.00	10.00	7.00	208.58
1892	31.60	1.60	-----	-----	7.20	.75	12.00	1.50	257.61
1893	38.25	-----	-----	-----	20.25	1.50	8.00	3.00	251.60
1894	10.50	1.20	-----	-----	-----	.60	8.00	2.00	149.70
1895	50.40	-----	-----	-----	19.74	2.00	20.40	-----	401.11
1896	2.57	16.10	-----	-----	1.86	-----	1.67	10.50	151.13
1897	5.24	30.18	-----	-----	1.72	-----	3.81	13.13	142.75
1898	2.86	20.23	\$1.00	-----	.95	-----	1.79	7.62	82.59
1899	3.91	27.60	-----	-----	-----	-----	4.40	7.70	116.45
1900	8.57	45.46	-----	-----	1.39	-----	4.40	7.64	194.74
1901	3.47	23.32	-----	-----	-----	-----	4.88	5.56	105.13
1902	3.30	23.80	-----	-----	-----	-----	5.23	10.07	98.93
1903	-----	29.03	-----	-----	-----	2.48	1.43	11.90	145.65
1904	4.28	18.56	-----	-----	-----	1.62	-----	4.95	77.09
1905	1.86	50.65	-----	-----	-----	2.48	2.62	12.61	135.10
1906	2.83	22.89	-----	-----	-----	-----	4.28	5.45	93.29
1907	9.99	68.78	-----	-----	.64	-----	6.19	7.39	237.56
1908	4.86	26.47	-----	-----	6.93	-----	1.90	7.41	115.54
1909	3.33	19.14	.95	-----	.48	-----	1.07	6.86	88.96
1910	3.26	30.51	-----	-----	-----	-----	5.76	7.79	133.27
1911	5.43	20.11	-----	-----	1.72	-----	3.81	12.57	159.27
1912	5.36	41.08	-----	-----	2.48	-----	5.24	22.98	194.71
1913	5.71	33.32	5.71	-----	2.86	1.14	1.90	17.28	164.73
1914	8.57	61.10	-----	-----	1.24	-----	4.52	7.17	189.12
1915	2.33	42.23	-----	-----	-----	-----	5.43	6.04	105.96
1916	.85	41.01	.92	-----	-----	-----	13.92	6.08	112.15
1917	3.38	24.14	-----	-----	-----	-----	10.35	10.91	98.13
1918	4.66	28.87	-----	-----	-----	-----	6.31	17.01	132.37
1919	3.89	27.85	.90	-----	3.21	-----	5.12	4.93	115.13
1920	3.45	33.51	-----	-----	-----	-----	3.81	12.54	103.09
1921	1.38	10.59	-----	-----	.60	-----	1.90	6.77	72.83
1922	1.00	33.79	.73	-----	-----	-----	9.86	5.24	106.16
1923	4.85	26.96	-----	-----	-----	-----	3.21	9.52	109.46
1924	1.95	24.04	-----	-----	-----	-----	7.82	8.67	103.11
1925	1.73	23.80	-----	-----	-----	-----	5.36	4.12	78.37
1926	1.07	24.82	-----	-----	-----	-----	5.06	10.17	98.51
1927	4.76	34.66	-----	-----	-----	2.67	4.28	1.90	152.82
1928	9.28	35.70	-----	-----	-----	2.28	4.28	5.23	145.16
1929	2.86	55.93	-----	-----	-----	2.86	-----	5.23	185.87
1930	9.28	28.75	-----	-----	-----	3.72	4.42	7.14	145.18
1931	48.67	-----	-----	-----	12.65	-----	7.30	77.38	418.77
1932	21.41	-----	-----	-----	-----	-----	3.65	58.40	258.41
1933	27.50	-----	-----	-----	-----	-----	3.65	55.00	264.66
1934	36.50	-----	-----	-----	9.73	-----	7.30	73.00	349.16
1935	36.50	-----	-----	-----	-----	-----	3.65	33.58	243.82
1936	27.92	-----	-----	-----	-----	-----	7.30	36.98	190.29
1937	15.09	-----	-----	-----	-----	-----	-----	71.71	135.96
1938	36.60	-----	-----	-----	-----	-----	2.43	16.70	219.80
1939	48.67	-----	-----	-----	-----	-----	7.30	61.31	335.55
1940	36.99	-----	-----	-----	-----	-----	6.33	6.56	158.49
1941	30.42	-----	-----	-----	-----	-----	2.43	64.73	295.44
1942	45.66	-----	-----	-----	-----	-----	4.87	38.93	366.04
1943	36.50	-----	-----	-----	-----	-----	2.43	23.10	196.06



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Budget number.	Cost of—							
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).
1944	\$18.25						\$2.43	\$49.64
1945	3.04	\$12.65					1.22	19.47
1946	15.09	25.31						58.40
1947	25.31						2.43	35.53
1948	39.54						3.65	27.12
1949	29.20						2.92	12.03
1950	29.20						2.43	20.93
1951	30.42						3.65	14.60
1952	24.09	4.87					2.43	35.16
1953	27.50						2.43	29.20
1954	34.07	6.33						9.73
1955								126.53
1956		18.98						11.96
1957	37.96							23.79
1958	25.30	6.33						9.41
1959	12.65	25.30						6.93
1960	18.98							13.92
1961	25.30	12.65						10.78
1962	75.92							19.47
1963	25.30							
1964	50.62	12.65						71.32
1965								139.18
1966		18.98						38.93
1967	24.33	5.27						7.32
1968	44.29							9.93
1969		23.20						14.56
1970		37.96						14.60
1971								151.83
1972	48.67							9.73
1973	57.91			\$9.49				16.99
1974	58.40			12.65				48.67
1975	39.34						7.30	24.33
1976	15.09			3.65			3.65	24.33
1977	39.54						4.87	48.67
1978	24.33	6.33					2.92	43.83
1979	25.30							6.54
1980	12.65	6.33						9.73
1981	44.29							15.11
1982	35.28						4.87	14.60
1983	25.05						9.73	24.33
1984	21.41						12.65	26.11
1985	29.97						12.65	24.33
1986	18.98			6.33			18.98	121.66
1987	36.50	14.60					6.33	14.60
1988	21.17						9.73	20.94
1989	16.31	9.73					12.65	27.58
1990	45.99						19.47	72.99
1991	23.12						4.87	24.33
1992	23.11	9.73					9.73	36.34
1993	32.85	14.60					14.60	72.99
1994	37.72						31.63	97.33
1995	15.82						12.16	24.33
1996	29.00				\$4.87		12.65	48.67
1997	22.88				12.65		12.65	168.95
1998	16.22	50.62			12.65		18.98	20.66
1999	19.47	58.40		6.33	12.65		18.98	85.64
2000	29.61						12.65	24.33
2001	29.53						12.65	44.93
2002	32.44						6.33	10.25
2003	34.78						12.65	15.94
2004	30.17				6.33		12.65	48.67
2005	19.47	25.30					12.65	98.29
2006	48.42	24.33					18.98	48.67
2007	38.93							24.33
2008	43.80						25.30	48.67
2009	38.21						25.30	48.67
2010	43.08						12.65	24.33
2011	44.28						9.73	48.67
2012	17.03						6.33	24.33
2013	50.85						12.65	48.67
2014	38.93				9.73		25.30	24.33
2015	43.79							43.31
2016	47.45						25.30	61.33
2017	8.11	25.30						32.24
2018	25.31				6.33		12.65	64.73
2019	13.79	18.98					6.33	72.99
2020	41.36	24.33			6.33		24.33	19.47

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Concluded.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
2021	\$13.71	\$25.30	.....	\$6.33	\$3.16	.....	\$3.16	\$48.66	\$317.52
2022	28.79	.....	.....	.....	.....	.....	6.33	24.33	204.88
2023	26.76	25.30	.....	.....	.....	.....	12.65	24.33	295.46
2024	34.80	.....	.....	.....	.....	.....	12.65	67.65	493.61
2025	16.87	.....	.....	.....	.....	.....	6.33	15.99	191.02
2026	19.79	.....	.....	.....	.....	.....	12.65	62.79	321.67
2027	14.93	.....	.....	.....	.....	.....	12.65	24.33	377.02
2028	13.31	31.63	.....	6.33	16.87	.....	9.49	88.81	474.74
2029	51.09	.....	.....	.....	.....	.....	25.30	145.99	516.81
2030	28.47	.....	.....	.....	.....	.....	4.87	91.29	369.85
2031	37.83	.....	.....	.....	.....	.....	25.30	72.99	438.69
2032	37.96	.....	.....	.....	.....	.....	25.30	73.97	467.17
2033	27.95	25.30	.....	.....	.....	.....	25.30	72.99	501.58
2034	29.56	.....	.....	6.33	.....	.....	31.63	61.31	463.82
2035	33.74	.....	.....	.....	.....	.....	12.65	48.67	312.61
2036	6.69	29.20	.....	.....	.....	.....	6.33	57.42	232.52
2037	3.04	25.30	.....	.....	.....	.....	3.16	29.20	181.10
2038	11.76	18.93	.....	6.33	6.33	.....	6.33	72.99	298.72
2039	25.23	9.73	.....	.....	4.87	.....	10.54	48.66	310.95
2040	10.14	.....	.....	.....	12.65	.....	18.98	109.98	359.99
2041	16.55	.....	.....	6.33	.....	.....	12.65	29.20	239.20
2042	13.39	.....	.....	.....	.....	.....	.....	17.19	177.13
2043	13.70	25.30	.....	.....	.....	.....	6.33	136.10	363.63
2044	4.26	25.30	.....	.....	6.33	.....	6.33	61.32	334.20
2045	7.33	12.65	.....	6.33	12.65	.....	12.65	70.14	277.15
2046	11.76	17.03	.....	.....	.....	.....	6.33	11.56	217.53
2047	15.74	24.33	.....	.....	.....	.....	6.33	24.33	281.04
2048	24.17	.....	.....	.....	.....	.....	12.65	34.06	202.75
2049	31.63	.....	.....	.....	.....	.....	18.98	48.67	315.06
2050	14.59	.....	.....	3.16	2.43	.....	6.33	29.20	294.65
2051	23.73	.....	.....	.....	.....	.....	12.65	53.06	251.12
2052	25.14	.....	.....	.....	.....	.....	12.65	88.78	448.92
2053	15.82	24.33	.....	.....	.....	.....	6.33	34.06	289.23
2054	25.79	.....	.....	.....	.....	.....	12.65	5.83	240.17
2055	34.39	.....	.....	.....	12.65	.....	12.65	61.32	445.74
2056	20.88	.....	.....	.....	.....	.....	25.30	72.99	353.17
2057	32.69	.....	.....	6.33	7.30	.....	12.65	24.33	439.33
2058	23.21	.....	.....	.....	6.33	.....	18.98	14.46	316.80
2059	46.70	.....	.....	.....	12.65	.....	12.65	94.08	441.20
2060	34.06	.....	.....	.....	6.32	.....	12.64	29.44	405.39
2061	35.84	.....	.....	.....	.....	.....	25.30	107.06	495.31
2062	26.60	19.47	.....	.....	.....	.....	18.98	55.80	375.03
2063	17.68	25.30	.....	.....	.....	.....	25.30	121.66	478.96
2064	46.11	.....	.....	.....	12.66	.....	25.30	72.99	498.85
2065	26.31	.....	.....	.....	6.33	.....	18.98	82.71	374.62
2066	48.67	.....	.....	.....	6.33	.....	25.30	79.32	501.20
2067	25.67	12.65	.....	.....	.....	.....	12.65	32.77	250.10
2068	24.00	14.60	.....	.....	.....	.....	12.65	39.98	297.17
2069	257.13	29.20	.....	.....	6.33	.....	18.98	72.99	431.52
2070	61.23	.....	.....	.....	.....	.....	.....	14.60	250.91
2071	.....	25.31	.....	.....	.....	.....	2.43	51.58	227.07
2072	38.93	.....	.....	.....	.....	.....	2.92	14.01	238.85
2073	31.63	.....	.....	.....	.....	.....	2.43	34.47	230.05
2074	25.30	12.65	.....	.....	.....	.....	.....	9.73	169.49
2075	12.65	18.98	.....	.....	.....	.....	.....	24.33	184.66
2076	25.30	.....	.....	.....	.....	.....	.....	13.28	155.64
2077	.....	18.98	.....	.....	.....	.....	3.16	10.05	138.54
2078	12.65	6.33	.....	.....	.....	.....	.....	48.67	159.39
2079	25.30	.....	.....	.....	.....	.....	.....	9.73	135.23
2080	37.96	.....	.....	.....	.....	.....	.....	8.33	158.98
2081	75.90	.....	.....	.....	.....	.....	.....	48.67	419.83
2082	.....	.....	.....	.....	.....	.....	.....	139.18	139.18
2083	37.06	12.65	.....	.....	.....	.....	.....	20.65	243.23
2084	25.30	6.33	.....	.....	.....	.....	.....	43.80	192.17
2085	12.65	2.63	.....	.....	.....	.....	.....	17.66	103.84
2086	33.90	.....	.....	.....	.....	.....	.....	48.67	206.90
2087	37.96	.....	.....	.....	.....	.....	.....	12.97	162.99
2088	35.77	.....	.....	.....	.....	.....	.....	38.93	165.38
2089	.....	34.80	.....	.....	.....	.....	.....	.....	132.86
2090	12.65	12.65	.....	.....	.....	.....	.....	21.68	130.54
2091	53.53	.....	.....	.....	.....	.....	.....	3.75	255.80
2092	24.33	.....	.....	.....	.....	.....	3.65	24.33	179.99
2093	27.49	.....	.....	6.33	.....	.....	2.43	38.93	257.41
2094	36.50	.....	.....	.....	.....	.....	2.43	29.20	228.13
2095	34.07	.....	.....	.....	.....	.....	.....	45.26	219.33
2096	12.29	.....	.....	.....	.....	.....	1.22	14.41	105.30

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Child- ren.
1713	3	\$60.00	Coal	.....	\$12.00	Oil	20	\$2.00	\$35.00	\$30.00		\$2.00	\$3.50
1714	3	60.00	Coal	7	24.50	Oil	30	3.00	25.00	20.00		12.00	3.50
1715	4	108.00	Coal	.....	39.00	Oil	.....	6.00	30.00	20.00	80.00	.....	.....
1716	6	120.00	Coal	8	52.00	Oil	36	3.60	50.00	35.00	10.00	.....	.....
1717	5	120.00	Coal	6	39.00	Oil	24	2.40	40.00	25.00	30.00	70.00	.....
1718	5	108.00	Coal	4	26.00	Oil	24	2.40	35.00	35.00	10.00	75.00	.....
1719	4	96.00	Coal	6	39.00	Oil	24	2.40	50.00	40.00	50.00	50.00	2.00
1720	6	144.00	Coal	8	52.00	Oil	120	12.00	50.00	35.00	60.00	.....	.....
1721	5	144.00	Coal	.....	72.00	Oil	24	2.40	50.00	40.00	60.00	.....	.....
1722	4	84.00	Coal	.....	39.00	Oil	.....	2.40	15.00	20.00	5.00	35.00	.....
1723	4	96.00	.....	.....	39.00	Oil	.....	2.15	40.00	30.00	10.00	5.00	.....
1724	3	72.00	.....	.....	32.00	Oil	26	3.12	25.00	10.00	30.00	.....	.....
1725	4	96.00	.....	.....	40.00	.....	.....	3.00	50.00	30.00	20.00	5.00	.....
1726	4	72.00	.....	.....	35.00	.....	.....	2.50	60.00	25.00	50.00	5.00	.....
1727	4	96.00	.....	.....	35.00	.....	.....	3.00	50.00	30.00	25.00	.....	.....
1728	4	96.00	.....	.....	36.00	.....	.....	4.50	50.00	12.00	25.00	4.00	.....
1729	3	84.00	.....	.....	35.00	.....	.....	5.00	35.00	25.00	10.00	4.50	.....
1730	4	96.00	Coal	.....	35.00	Oil	.....	2.40	30.00	20.00	10.00	10.00	.....
1731	4	84.00	.....	.....	31.00	.....	52	6.24	10.00	20.00	6.00	4.00	.....
1732	3	84.00	.....	.....	40.00	.....	.....	7.20	56.00	35.00	12.00	20.00	.....
1733	4	120.00	Coal	6	39.00	Oil	12	2.40	45.00	50.00	30.00	40.00	.....
1734	4	96.00	Coal	4	25.00	Oil	.....	2.00	30.00	20.00	10.00	.....	.....
1735	3	66.00	.....	.....	32.00	Oil	.....	2.40	40.00	25.00	50.00	.....	.....
1736	4	84.00	Coal	.....	45.00	Oil	.....	2.40	50.00	25.00	25.00	.....	.....
1737	4	72.00	.....	.....	37.00	Oil	.....	2.40	25.00	25.00	25.00	.....	.....
1738	4	108.00	Coal	.....	40.00	Oil	.....	3.60	75.00	60.00	15.00	.....	.....
1739	4	84.00	.....	.....	46.50	Oil	17	2.00	45.00	20.00	50.00	.....	.....
1740	4	84.00	Coal	8	30.00	.....	.....	3.50	30.00	15.00	25.00	.....	.....
1741	6	84.00	Coal	.....	60.00	Oil	.....	18.00	40.00	30.00	120.00	.....	.....
1742	5	120.00	Coal	7	45.50	Oil	24	2.40	35.00	25.00	120.00	.....	.....
1743	3	60.00	Coal	5	35.00	Oil	24	2.40	25.00	30.00	.....	20.00	.....
1744	4	96.00	Coal	6	39.00	Oil	24	2.40	20.00	20.00	50.00	50.00	.....
1745	6	120.00	Coal	.....	52.00	Oil	.....	2.40	65.00	.....	90.00	30.00	.....
1746	2	54.00	Coal	.....	25.00	Oil	.....	2.40	50.00	40.00	.....	15.00	.....
1747	4	108.00	.....	.....	44.00	Oil	26	2.75	70.00	50.00	5.00	.....	.....
1748	4	96.00	.....	.....	41.50	Oil	52	6.24	70.00	35.00	.....	12.00	.....
1749	3	72.00	.....	.....	20.00	.....	.....	3.00	30.00	15.00	.....	.....	.....
1750	4	90.00	Coal	4	26.00	Oil	24	2.40	25.00	20.00	40.00	.....	.....
1751	4	84.00	Coal	5	32.50	Oil	24	2.40	45.00	20.00	12.00	25.00	.....
1752	O. H.	.....	Coal	.....	30.00	Oil	.....	1.20	30.00	30.00	.....	.....	3.20
1753	4	96.00	Coal	.....	21.00	Oil	20	2.40	30.00	5.00	30.00	2.00	.....
1754	3	60.00	Coal	.....	36.00	Oil	60	6.00	15.00	10.00	40.00	2.00	.....
1755	O. H.	.....	Coal	5	27.50	Oil	30	4.50	30.00	20.00	80.00	5.00	12.00
1756	5	108.00	Coal	6	39.00	Oil	40	4.80	20.00	10.00	10.00	12.00	.....
1757	4	84.00	Coal	3	18.00	Oil	20	2.00	10.00	5.00	40.00	.....	.....
1758	5	96.00	Coal	6	36.00	Oil	30	3.00	12.00	10.00	40.00	2.00	.....
1759	6	96.00	Coal	6	36.00	Oil	.....	30.00	20.00	15.00	75.00	2.00	.....
1760	3	48.00	Coal	3	18.00	Oil	12	1.20	18.00	10.00	20.00	2.00	.....
1761	3	72.00	Coal	.....	24.00	Oil	40	4.00	12.00	6.00	18.00	.....	.....
1762	6	120.00	Coal	5	30.00	Oil	20	2.00	25.00	12.00	.....	1.00	.....
1763	6	96.00	Coal	6	36.00	Oil	30	3.00	30.00	10.00	90.00	3.00	.....
1764	5	66.00	Coal	6	36.00	Oil	20	2.00	30.00	12.00	50.00	2.00	.....
1765	3	78.00	Coal	4	24.00	Oil	30	3.00	30.00	5.00	6.00	3.50	.....
1766	3	54.00	Coal	4	24.00	Oil	24	2.40	20.00	10.00	10.00	24.00	.....
1767	5	96.00	Coal	6	36.00	Oil	24	2.40	75.00	35.00	20.00	40.00	.....
1768	6	96.00	Coal	6	36.00	Oil	30	3.00	40.00	20.00	50.00	5.00	.....
1769	5	84.00	Coal	6	39.00	Oil	56	7.50	60.00	20.00	60.00	3.00	.....
1770	O. H.	.....	Coal	5	27.50	Oil	60	7.20	50.00	30.00	60.00	5.00	30.00
1771	O. H.	.....	Coal	6	33.00	Oil	40	4.00	35.00	10.00	50.00	2.00	22.00
1772	.....	Free	Coal	5	27.50	Oil	30	3.00	25.00	15.00	20.00	3.00	.....
1773	O. H.	.....	Coal	7	38.50	Oil	60	9.00	60.00	25.00	30.00	15.00	22.00
1774	O. H.	.....	Coal	6	33.00	Oil	60	9.00	50.00	30.00	100.00	400.00	.....
1775	7	120.00	Coal	5	30.00	Oil	25	3.00	50.00	20.00	30.00	4.00	.....
1776	6	120.00	Coal	8	48.00	Oil	60	6.00	40.00	30.00	80.00	4.00	.....
1777	O. H.	.....	Coal	9	54.00	Oil	60	8.00	50.00	30.00	150.00	12.00	22.00
1778	4	120.00	Coal	7	42.00	Oil	40	4.00	40.00	12.00	20.00	6.00	30.00
1779	5	90.00	Coal	5	30.00	Oil	25	2.50	20.00	10.00	25.00	1.00	.....
1780	5	114.00	Coal	6	36.00	Oil	30	3.00	40.00	30.00	200.00	1.00	.....
1781	3	60.00	Coal	.....	15.00	Oil	12	1.20	15.00	10.00	.....	1.00	.....
1782	5	96.00	Coal	10	60.00	Oil	35	3.50	30.00	15.00	50.00	2.00	.....
1783	O. H.	.....	Coal	.....	33.00	Oil	40	4.00	30.00	20.00	40.00	3.00	35.00
1784	3	60.00	Coal	.....	27.00	Oil	30	3.00	35.00	16.00	60.00	1.00	.....



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
				\$3.00	\$0.50			\$50.00	\$29.00	\$10.00	\$12.00	\$289.00	1713
							\$5.00	40.00	17.00	20.00	14.00	245.00	1714
	\$28.80					\$10.00	10.00	72.00	12.00	12.00	8.75	436.55	1715
		\$3.00		6.00	5.00	5.00	17.00	10.00	18.00	5.00	12.00	351.60	1716
			\$4.00	5.00	2.00	11.00	5.00		1.20	5.00	10.00	369.60	1717
		4.00		10.00		2.00	20.00	2.00	18.00	40.00	5.00	392.40	1718
		3.00	6.00	5.00	4.00	18.00	55.00			20.00	9.80	450.20	1719
\$2.50	18.00	6.00	6.00	8.00	5.00	16.00	10.00		6.00	50.00	19.95	497.95	1720
					3.00	10.00	10.00	5.00	2.50	75.00	138.00	614.40	1721
		3.00				3.00	2.00	36.00	19.00	10.00	15.00	288.40	1722
	25.00	3.00		5.00	3.00	5.72	20.00	54.75	5.20	30.00		373.82	1723
		3.00			2.00	3.65		18.25	15.60	10.00	3.00	227.62	1724
					2.00	3.65	20.00			10.00	20.00	299.65	1725
		3.00		12.00	4.00	5.00	5.00		10.00	20.00	5.00	303.50	1726
				5.00	3.00	3.65	5.00		10.40	10.00	5.00	281.05	1727
	8.50	4.00						104.00	26.00		25.00	395.00	1728
	8.00	4.00				3.65		24.00		25.00	13.50	276.65	1729
		3.00	24.00	10.00	3.00	8.00	10.00	36.00	9.00	40.00		340.40	1730
		3.00		2.00				18.25	6.00		14.50	204.99	1731
		4.50				3.65		52.00	12.00	15.00	25.00	366.35	1732
					2.00	12.00	20.00	48.00	9.00	5.00	14.00	436.40	1733
		3.00	5.00	4.00	6.00	5.00		52.00	16.80	35.00	12.00	321.80	1734
		4.20		6.00	1.50		2.00	24.00	6.00	15.00		274.10	1735
		3.00		10.00		5.00		90.00	7.20	50.00		396.60	1736
				5.00		4.00	5.00			5.00		205.40	1737
		3.00		16.00	6.00	4.00		18.00	4.80	50.00		403.40	1738
		3.00	7.00	10.00	4.00	2.50		54.75	7.80	50.00	5.00	391.55	1739
					1.00	2.00		30.00	10.00	25.00	2.00	257.50	1740
		3.00		3.00		5.00	50.00	12.00	7.20	5.00	21.60	458.80	1741
	21.00	3.00		10.00	5.00	15.00	25.00	46.00	6.00	3.00	9.00	490.90	1742
		3.00		5.00	1.50	6.00		36.00	18.00	4.00	6.00	251.90	1743
				15.00		5.00		60.00	12.00		18.00	387.40	1744
		3.00		15.00	10.00	10.00	10.00			20.00	21.00	448.40	1745
		3.00		7.00	15.00			36.00		2.00	15.00	264.40	1746
		3.00		12.00	6.00	3.65	20.00	41.50	10.40	10.00	5.00	391.30	1747
		3.00	6.00	6.00		7.20		18.00	15.00	30.00	29.50	375.44	1748
		4.00		6.50		3.65		54.75	5.20	300.00	12.50	526.60	1749
				4.00		3.00	4.00	18.00	2.40	10.00	9.00	253.80	1750
		3.00		5.00	2.00	3.00	2.00	24.00	12.00	100.00	6.00	377.90	1751
		3.00		7.00	2.00	4.00		36.00	4.80	10.00		161.29	1752
					2.00				4.80	20.00	16.00	229.20	1753
9.00	7.80		6.00	6.00	2.00	6.00			6.00	10.00	25.00	237.80	1754
			5.00		5.00	6.00	1.00		8.00	5.00	25.00	243.00	1755
				5.00	2.00					12.00	14.00	236.80	1756
											12.00	171.00	1757
	20.80		3.00	2.00	2.00	3.00			8.00	50.00	18.00	305.80	1758
				4.00		6.00	2.00		6.00	5.00	25.00	322.00	1759
									5.00	7.00	16.00	145.20	1760
									5.00	2.00	12.00	155.00	1761
	10.40		10.00		2.00	5.00	1.00		5.00	5.00	16.00	244.40	1762
	12.00				4.00	3.00	4.00		6.00	4.00	20.00	321.00	1763
				2.00	1.00	3.00	1.00		7.50	4.00	15.00	231.50	1764
				5.60	2.00				7.00	20.00	20.00	204.10	1765
								30.00	5.00	4.00	10.00	193.40	1766
			3.60	12.00		6.00	4.00		8.00	30.00	16.00	384.00	1767
				12.00	2.00	3.00	1.00		6.00	5.00	20.00	299.00	1768
	40.00		6.00	6.00	2.00	6.00	3.00		7.20	25.00	30.00	398.70	1769
9.00					3.00	6.00	2.00			3.00	18.00	250.70	1770
7.75	12.00			10.00	2.00	1.50			9.60	80.00	12.00	290.85	1771
					2.00	6.00			6.00	2.00	16.00	125.50	1772
7.00			12.00	6.00	2.00	6.00	3.00			50.00	30.00	315.50	1773
	25.00			10.00	3.00	8.00			8.00	5.00	51.00	732.00	1774
2.50	20.80	10.50			5.00	6.00	4.00		10.00	5.00	20.00	340.80	1775
	86.40			10.00	4.00	6.00	3.00		6.00	4.00	25.00	472.40	1776
12.00				20.00	4.00	5.00	5.00			20.00	68.00	460.00	1777
7.00				12.00	4.00	2.50	4.00	40.00	12.00	65.00	30.00	450.50	1778
			6.00			6.00		16.00	6.00	30.00	20.00	262.50	1779
	13.00			5.00			2.00		7.00	3.00	20.00	474.00	1780
					5.00				5.00	4.00	12.00	128.20	1781
				4.00					6.00	15.00	18.00	299.50	1782
6.70				8.00	3.00			20.00	8.00	10.00	18.00	238.70	1783
				3.00		6.00		18.00	7.00	3.00	12.00	251.00	1784

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Chil- dren.
1785	4	\$100.00	Coal	4	\$24.00	Oil	20	\$2.00	\$40.00	.....	\$80.00	\$2.00	.....
1786	O. H.	.....	Coal	5	28.00	Oil	40	4.80	30.00	\$30.00	50.00	2.00	\$29.00
1787	4	60.00	Coal	3	18.00	Oil	20	2.40	15.00	10.00	50.00	.....	.....
1788	5	60.00	Coal	6	36.00	Oil	20	2.00	8.00	10.00	40.00	2.00	.....
1789	4	120.00	Coal	4	24.00	Oil	20	2.00	18.00	10.00	65.00	1.00	.....
1790	6	96.00	Coal	8	48.00	Oil	40	4.00	40.00	25.00	100.00	30.00	.....
1791	6	108.00	Coal	.....	39.00	Oil	25	3.00	12.00	6.00	90.00	2.00	.....
1792	4	63.00	Coal	.....	21.00	Oil	10	1.20	18.00	6.00	.....	.....	.....
1793	6	72.00	Coal	6	36.00	Oil	30	3.60	5.00	20.00	.....	.....	.....
1794	3	60.00	Coal	4	24.00	Oil	30	3.00	60.00	30.00	70.00	4.00	.....
1795	O. H.	.....	Coal	7	42.00	Oil	40	4.00	38.00	25.00	.....	4.00	36.00
1796	6	96.00	Coal	9	54.00	Oil	40	4.00	34.00	20.00	.....	2.00	.....
1797	O. H.	.....	Coal	6	36.00	Oil	40	4.00	30.00	12.00	.....	4.00	16.00
1798	3	60.00	Coal	2	12.00	Oil	20	2.40	15.00	12.00	70.00	2.00	.....
1799	4	72.00	Coal	5	30.00	Oil	30	3.00	40.00	30.00	90.00	2.00	.....
1800	6	96.00	Coal	6	36.00	Oil	40	4.80	40.00	25.00	175.00	5.00	.....
1801	3	48.00	Coal	4	24.00	Oil	24	2.80	20.00	10.00	50.00	3.00	.....
1802	3	66.00	Coal	3	18.00	Oil	24	2.40	30.00	10.00	40.00	.....	.....
1803	6	96.00	Coal	6	36.00	Oil	40	4.80	40.00	.....	70.00	3.00	.....
1804	4	96.00	Coal	5	30.00	Oil	20	2.00	15.00	2.00	.....	1.00	.....
1805	6	90.00	Coal	6	36.00	Oil	28	2.80	35.00	30.00	45.00	2.00	.....
1806	6	120.00	Coal	8	48.00	Oil	40	4.00	35.00	20.00	100.00	3.00	.....
1807	3	60.00	Coal	4	24.00	Oil	24	2.40	25.00	6.00	.....	2.00	.....
1808	3	78.00	Coal	4	24.00	Oil	20	2.40	40.00	10.00	40.00	2.00	.....
1809	6	96.00	Coal	6	36.00	Oil	24	2.40	30.00	12.00	150.00	3.00	.....
1810	O. H.	.....	Coal	4	24.00	Oil	30	3.00	30.00	15.00	30.00	6.00	18.00
1811	3	54.00	Coal	1	6.00	Oil	18	1.80	30.00	12.00	75.00	4.00	.....
1812	3	72.00	Coal	1	6.00	Oil	12	1.20	20.00	6.00	25.00	.....	.....
1813	3	43.00	Coal	4	24.00	Oil	20	2.00	10.00	6.00	20.00	.....	.....
1814	3	66.00	Coal	2	15.00	Oil	20	2.00	10.00	6.00	50.00	.....	.....
1815	5	96.00	.....	.....	32.00	Oil	.....	3.00	25.00	25.00	400.00	.....	.....
1816	O. H.	.....	.....	.....	35.00	Oil	.....	5.20	60.00	75.00	325.00	.....	19.00
1817	5	88.00	.....	.....	26.25	Oil	.....	4.30	50.00	35.00	45.00	.....	.....
1818	O. H.	.....	.....	.....	32.00	Oil	.....	4.20	75.00	100.00	.....	40.00	17.00
1819	6	84.00	.....	.....	13.50	Oil	.....	2.20	25.00	10.00	.....	.....	.....
1820	O. H.	.....	.....	.....	60.00	Oil	.....	7.20	50.00	60.00	325.00	12.00	24.00
1821	O. H.	.....	.....	.....	28.00	Oil	.....	5.60	45.00	55.00	250.00	15.00	15.00
1822	O. H.	.....	.....	.....	32.00	Oil	.....	4.70	15.00	12.00	18.00	.....	15.00
1823	O. H.	.....	Coal	.....	16.00	.....	.....	3.00	45.00	42.00	52.00	18.00	10.00
1824	O. H.	.....	Gas	.....	10.00	.....	.....	3.00	18.00	8.00	40.00	18.00	19.00
1825	O. H.	.....	Gas	.....	13.50	.....	.....	6.00	55.00	55.00	100.00	15.00	38.00
1826	O. H.	.....	Gas	.....	13.50	.....	.....	.....	45.00	30.00	32.00	.....	20.00
1827	O. H.	.....	.....	.....	13.50	.....	.....	3.50	30.00	30.00	25.50	30.00	6.00
1828	O. H.	.....	.....	.....	12.00	.....	.....	4.00	42.00	50.00	38.00	12.00	28.00
1829	O. H.	.....	.....	.....	15.00	.....	.....	3.00	45.00	40.00	60.00	25.00	26.00
1830	O. H.	.....	Gas	.....	24.50	.....	.....	.....	95.00	55.00	45.00	82.00	32.50
1831	.....	70.00	.....	.....	10.00	.....	.....	2.50	28.00	17.00	20.00	15.00	1.50
1832	O. H.	.....	.....	.....	20.00	.....	.....	5.00	30.00	15.00	10.00	10.00	6.00
1833	O. H.	.....	.....	.....	22.00	.....	.....	3.00	55.00	42.00	34.00	10.00	7.00
1834	5	65.00	.....	.....	15.50	Oil	.....	7.50	17.00	12.00	10.00	5.00	.....
1835	5	50.00	.....	.....	16.00	Oil	.....	8.00	16.00	12.00	20.00	5.00	.....
1836	8	90.00	.....	.....	22.75	Oil	.....	9.00	16.00	10.00	50.00	8.00	.....
1837	6	65.00	.....	.....	14.50	Oil	.....	7.00	14.00	17.00	25.00	4.00	.....
1838	6	66.00	.....	.....	18.00	Oil	.....	7.00	16.00	16.00	20.00	4.00	.....
1839	7	75.00	.....	.....	25.00	Oil	.....	8.00	17.00	20.00	45.00	3.00	.....
1840	7	62.50	.....	.....	22.50	Oil	.....	7.00	23.00	18.00	40.00	5.00	.....
1841	8	96.00	.....	.....	23.50	Oil	.....	9.00	21.00	20.00	60.00	8.00	.....
1842	5	60.00	.....	.....	14.50	Oil	.....	6.00	17.00	12.00	20.00	3.00	.....
1843	6	72.00	.....	.....	18.00	Oil	.....	7.50	20.00	20.00	20.00	4.00	.....
1844	4	50.00	.....	.....	14.50	Oil	.....	6.70	18.00	15.00	19.00	5.00	.....
1845	7	75.00	.....	.....	21.50	Oil	.....	6.00	17.00	16.00	.....	14.00	.....
1846	6	70.00	Coal	4	14.50	Oil	.....	7.50	25.00	18.00	16.00	6.00	.....
1847	.....	06.00	Coal	.....	15.00	Oil	20	3.00	40.00	21.00	13.00	15.00	38
1848	.....	72.00	Coal	.....	12.25	Oil	8	1.25	35.00	25.00	18.00	8.00	.....
1849	7	00.00	.....	.....	20.50	Oil	.....	8.50	21.00	15.00	40.00	5.00	.....
1850	6	72.00	.....	.....	21.00	Oil	.....	8.00	17.00	17.00	56.00	10.00	.....
1851	6	72.00	.....	.....	25.00	Oil	.....	9.50	15.00	10.00	60.00	5.00	.....
1852	6	70.00	.....	.....	20.00	Oil	.....	8.00	16.00	15.00	40.00	4.00	.....
1853	5	60.00	.....	.....	21.00	Oil	.....	8.00	14.00	16.00	30.00	10.00	.....
1854	6	60.00	.....	.....	20.00	Oil	.....	8.25	15.00	18.00	30.00	12.00	.....
1855	5	50.00	.....	.....	18.00	Oil	.....	7.50	12.50	15.00	15.00	18.00	.....
1856	6	60.00	.....	.....	21.00	Oil	.....	9.50	18.00	16.00	30.00	22.00	.....



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

{O. H. indicates that the family own the house in which they live.}

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
\$17.50	\$28.60			\$5.00		\$2.50		\$8.00	\$14.00	\$3.00	\$18.00	\$327.10	1785
	30.00			10.00		2.50	\$10.00	16.00	8.00	6.00	12.00	285.80	1786
	13.00					3.00			7.50	6.00	12.00	196.90	1787
				3.00		2.50			8.00	14.00	14.00	199.50	1788
	5.20		\$3.00						9.00	30.00	33.00	320.20	1789
	22.40			29.00		6.00	2.00		14.00	4.00	20.00	440.40	1790
				6.00	\$2.00	2.50			8.00	10.00	20.00	308.50	1791
									12.00	5.00	10.00	139.20	1792
	18.10			2.00					7.50	10.00	16.00	190.30	1793
	18.20		5.00	6.00	6.00	6.00	1.00		8.00	5.00	25.00	331.20	1794
8.00				24.00	3.00	6.00		20.00	10.00	6.00	30.00	256.00	1795
						6.00			6.00	3.00	15.00	240.00	1796
6.50	5.20				6.00	6.00		20.00	10.00	2.00	10.00	167.70	1797
				4.00				30.00	8.00	5.00	18.00	238.40	1798
	15.40			5.00	5.00		2.00	30.00		5.00	15.00	344.40	1799
				18.00		6.00			15.00	1.00	20.00	441.80	1800
					4.00	6.00		20.00	9.00	2.00	18.00	216.80	1801
				10.00			1.00		5.00	25.00	18.00	225.40	1802
				14.00	4.00			25.00	15.00	7.00	20.00	334.80	1803
				3.00		6.00			6.00		20.00	181.00	1804
				6.50					7.00	8.00	20.00	288.30	1805
	31.20			12.00			2.00	40.00	20.00	30.00	25.00	490.20	1806
	12.00			3.00	2.00			12.00	5.00	3.00	46.00	202.40	1807
				4.00	2.00	6.00			18.00	5.00	16.00	247.40	1808
					6.00				14.00	10.00	20.00	379.40	1809
2.35	2.60					3.00	1.50	14.00	18.00	15.00	20.00	202.45	1810
				10.00				30.00	6.00	5.00	16.00	249.80	1811
								20.00	8.00		16.00	174.20	1812
									5.00	5.00		120.00	1813
									5.00	4.50	12.00	170.50	1814
9.00	12.00			8.00	2.00	3.50					5.60	621.10	1815
				10.00	5.00	8.00	15.00		10.20		7.25	574.65	1816
7.50	24.00				3.00	12.00			8.40	2.00	6.25	311.70	1817
9.00			6.50	12.00	8.00	9.00	15.00			10.00	6.25	343.95	1818
	15.60			15.00		7.00		6.00	7.20	11.00	4.75	201.25	1819
9.00	35.00	\$3.00		30.00	5.00				14.40	12.00	7.25	644.85	1820
4.90	13.00		12.00	12.00		5.50		10.20	85.00	6.75	568.95	1821	
				14.75		1.25		8.40	25.00	5.10	151.20	1822	
	6.50	7.00		8.00	5.00	12.00	4.00			11.00	240.00	479.50	1823
	6.50			5.00		3.00				215.00		345.50	1824
45.00		6.50	6.00	18.00	2.50	7.00	8.00			11.00	87.00	473.50	1825
23.00		6.50		8.00	8.00	13.50	8.00			5.00	29.00	241.50	1826
12.50			15.00		2.50	11.00	2.50			21.00	119.00	322.00	1827
20.00	15.00	7.00	30.00		2.00	15.50	30.50			10.00	25.00	341.00	1828
11.00		7.00	4.50	10.00		6.00	37.00			10.00	18.00	317.50	1829
15.50		7.00	23.50	21.00	5.00	30.00	15.00			5.00	112.00	568.00	1830
				5.00	1.00	3.00	10.00			0.00	20.00	209.00	1831
		6.00	5.00	7.00	1.00	8.00				5.00		128.00	1832
2.50			3.00	9.00	6.00	11.00	10.00			15.00		229.50	1833
	12.50			3.00	2.00	4.00				24.00	18.00	195.50	1834
	12.50				3.00	5.00				10.00	14.00	171.50	1835
	13.00	6.00		5.00	5.00	6.00		5.00	14.50	18.00	13.00	291.25	1836
			12.00	4.00	2.00	5.00				3.00	16.00	188.50	1837
				3.00	3.00	5.00		4.00	14.00	4.00	12.00	192.00	1838
	12.00			3.00	2.00	6.00		4.00	14.00	4.00	15.00	233.00	1839
		6.00		5.00	3.00	7.00		5.00		5.00	21.00	230.00	1840
	12.00		12.00	5.00	5.00	10.00			14.50	6.00	17.00	319.00	1841
				3.00	2.00	4.00			13.00	4.00	15.00	173.50	1842
				5.00	2.00	5.00			14.50	3.00	13.00	204.00	1843
					3.00	6.00				2.00	20.00	159.20	1844
			12.00		3.00	8.00				8.00	17.00	197.50	1845
			12.00	4.00	2.00	7.00				5.00	20.00	297.00	1846
	30.00		7.00	1.00	10.00	8.25	30.00			15.00	106.00	416.63	1847
				2.00	3.00	10.00	25.00			6.00	60.00	277.50	1848
	12.00				3.00	7.00			14.10	5.00	20.00	261.10	1849
	12.50	8.00		5.00	3.00	8.00		3.00	15.00	28.00	16.00	299.50	1850
				5.00	1.00	9.00				19.00	26.00	256.50	1851
	12.00			5.00	1.00	7.00			13.50	3.00	20.00	234.50	1852
		7.00		4.00	2.00	7.00		5.00	14.00	6.00	20.00	224.00	1853
		8.00			3.00	9.00		4.00	13.50	8.00	18.00	226.75	1854
		7.00		5.00	2.00	8.00				8.00	25.00	191.00	1855
			13.50	5.00	2.00	8.50		4.00		23.00	26.00	263.50	1856



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
1857	7	\$90.00			\$25.00	Oil		\$8.50	\$15.00	\$15.00	\$25.00	\$10.00	
1858	8	96.00			25.00	Oil		9.50	21.00	18.00	70.00	17.00	
1859	5	75.00			20.00	Oil		8.00	16.00	17.00	36.00	5.00	
1860	5	50.00			14.00	Oil		6.50	12.60	25.00		3.00	
1861	5	55.00			18.00	Oil		7.00	13.00	16.00		4.00	
1862	6	72.00			19.00	Oil		8.00	16.50	18.00	18.00	3.00	
1863	5	60.00			20.00	Oil		8.00	16.00	18.00	20.00	12.00	
1864	4	50.00			20.00	Oil		6.00	14.00	14.00		14.00	
1865	7	90.00			25.00	Oil		9.00	20.00	24.00	60.00	12.00	
1866	6	60.00			15.00	Oil		6.75	12.00	13.00	26.00	3.00	
1867	7	80.00			21.50	Oil		6.00	19.00	17.00	22.00	3.00	
1868	6	70.00			21.00	Oil		3.60	13.00	16.00	40.00	10.00	
1869	8	112.00			30.00	Oil		8.50	13.00	17.00	80.00	8.00	
1870	4	55.00			20.00	Oil			16.00	16.00		4.00	
1871	2	48.00	Coal	7	17.50	Oil	12	1.20	60.00	60.00		75.00	\$3.00
1872	3	96.00	Coal	12	30.00	Oil	20	3.00	40.00	40.00	30.00		3.00
1873	4	84.00	Coal	12	30.00	Oil	24	3.60	60.00	60.00	10.00	45.00	3.00
1874	5	96.00	Coal	10	25.00	Oil	18	2.34	75.00	60.00			3.00
1875	4	126.00				Oil	18	2.34	50.00	20.00	125.00	23.00	3.00
1876	5	144.00	Coal		30.00	Oil	20	2.40	57.00	30.00	115.00		3.00
1877	4	122.00	Coal	12	30.00	Oil	24	3.60	30.00	55.00		125.00	5.00
1878	3	108.00				Oil	20	3.00	25.00	50.00	75.00		3.00
1879	3	72.00				Oil	18	2.70	30.00	15.00	12.00		3.00
1880	2	48.00	Coal	10	24.00	Oil	18	2.34	35.00	15.00	30.00		3.00
1881	3	84.00	Coal		7.20	Oil	48	4.80	20.00	5.00	6.00		3.00
1882	3	96.00	Coal	10	25.00	Oil	42	4.20	50.00	10.00			3.00
1883	4	120.00	Coal		32.00	Oil	52	9.36	75.00	50.00	75.00	80.00	5.00
1884	5	156.00	Coal	18	36.00	Oil	48	6.72	57.00	25.00	175.00	25.00	3.00
1885	4	120.00	Coal	10	25.00	Oil	58	7.20	26.00	15.00	100.00		3.00
1886	5	156.00	Coal	12	30.00	Oil	18	2.52	50.00	40.00	30.00	22.00	3.00
1887	2	72.00	Coal		36.00	Oil	18	2.70	75.00	50.00		30.00	3.00
1888	4	96.00	Coal	8	20.00	Oil	18	2.14	35.00	5.00	85.00		3.50
1889	O. H.		Coal	15	37.50	Oil	50	6.50	50.00	25.00	50.00	15.00	10.00
1890	3	84.00	Coal		28.00	Oil	18	2.34	45.00	25.00	15.00		3.00
1891	4	120.00	Coal		32.00	Oil	52	6.76	50.00	35.00	45.00		3.00
1892	4	126.00	Wood		5.00	Oil	24	3.12	25.00	20.00	40.00		3.00
1893	6	178.00	Coal		32.50	Oil	30	4.50	45.00	15.00	200.00		3.00
1894	3	72.00	Coal		24.00	Oil	30	4.50	80.00	50.00			
1895	4	126.00	Coal	15	30.00	Oil	18	2.32	50.00	20.00	125.00	16.00	3.00
1896	3	10.28	Coal	8	11.42	Oil	13	4.45	43.22	15.95	4.28	7.14	1.86
1897	2	10.28	Coal	12	11.42	Oil		4.12	35.70	11.42	39.27	17.85	3.71
1898	2	10.28	Coal	12	11.42	Oil	9	4.42	29.51	22.61	11.90	10.71	1.43
1899	2	7.14	Coal	11	9.38	Oil		3.24	28.56	15.06	6.19	2.62	.71
1900	2	13.71	Coal	16	13.33	Oil	13	3.95	46.41	16.42	17.85	16.66	4.00
1901	2	10.13	Coal		5.24	Oil		2.69	25.09	10.52	3.19	20.94	1.43
1902	1	5.71	Coal		3.81	Oil		.85	9.99	3.33	5.81		
1903	2	5.71	Coal	10	8.57	Oil		2.38	4.76	3.57		4.76	
1904	1	3.57	Coal	10	8.57	Oil		1.53	9.52	9.52			1.31
1905	2	14.28	Coal	10	8.57	Oil		2.86	13.09	8.33	23.32	2.38	4.15
1906	2	7.62	Coal	10	8.57	Oil		2.32	32.54	19.04	3.33	17.61	.71
1907	2	10.28	Coal	8	7.62	Oil	19	3.09	12.14	8.81	23.42	3.33	1.14
1908	2	6.85	Coal	8	9.38	Oil	9	2.74	32.44	15.95	4.76	19.64	1.43
1909	2	6.76	Coal	12	9.99	Oil	7	1.53	37.84	16.18	.95	21.30	1.14
1910	2	7.62	Coal	6	10.47	Oil		2.00	20.59	9.16	14.38	12.61	1.00
1911	2	9.99	Coal	12	11.42	Oil		1.72	48.79	5.95	3.57	7.14	2.86
1912	2	10.18	Coal	10	9.52	Oil		2.24	43.32		16.66	6.19	1.43
1913	2	10.28	Coal	6	5.88	Oil	7	1.90	28.32	5.71	1.90	19.04	1.14
1914	2	10.28	Coal	16	20.94	Oil		3.94	35.70	7.14	14.28	9.52	3.81
1915	2	8.57	Coal	11	9.00	Oil		1.51	15.64	10.54	16.57	5.38	.71
1916	2	8.57	Coal	9	7.62	Oil		2.26	20.06	6.76	15.04	2.62	.71
1917	2	14.28	Coal	5	8.57	Oil		2.01	12.85	4.76	7.14	3.15	1.43
1918	2	8.57	Coal	7	10.47	Oil		2.26	24.67	5.76	8.09	2.62	1.14
1919	2	6.85	Coal	5	7.14	Oil		1.60	24.75	10.95	3.16	10.52	.71
1920	2	6.85	Coal	5	8.57	Oil		2.26	24.09	8.64	2.62	2.86	1.14
1921	2	10.28	Coal	5	7.62	Oil		1.37	16.00	20.23		4.76	1.14
1922	2	14.28	Coal		6.19	Oil		1.19	13.09	7.62	6.66	5.24	.71
1923	2	10.28	Coal	7	11.02	Oil		2.32	28.80	13.16	15.47	15.57	1.14
1924	2	7.14	Coal	6	5.71	Oil		1.53	28.56	15.23		12.85	1.14
1925		7.14	Coal		4.28	Oil		1.43	15.47	9.52	3.57	8.33	
1926		5.71	Coal		4.20	Oil		1.10	12.95	8.09	13.80	3.93	
1927	2	14.28	Coal	10	8.57	Oil		1.90	23.80	16.66	21.42	14.28	8.57
1928	2	17.14	Coal	10	8.57	Oil		4.12	23.97	16.66	13.57	9.83	2.48

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organizations.		Religion.	Charity.	Books and newspapers.	Amusements and vacation.	Intoxicating liquors.	Tobacco.	Sickness and death.	Other.	Total for year.	Budget number.
Property.	Life.	Labor.	Other.										
-----	\$12.50	-----	-----	\$5.00	\$2.00	\$8.00	-----	-----	-----	\$18.00	\$24.00	\$258.00	1857
-----	18.50	\$7.00	-----	5.00	3.00	12.00	-----	-----	-----	12.00	24.00	357.00	1858
-----	-----	-----	\$12.00	-----	3.00	5.00	-----	\$5.00	\$14.00	8.00	15.00	233.50	1859
-----	-----	-----	-----	-----	3.00	4.00	-----	-----	13.50	4.00	12.00	146.50	1860
-----	12.00	-----	-----	5.00	2.00	7.00	-----	4.00	10.00	4.00	14.00	171.00	1861
-----	-----	-----	12.00	5.00	2.00	7.00	-----	4.00	14.00	-----	12.00	210.50	1862
-----	-----	7.00	-----	-----	3.00	9.00	-----	-----	-----	10.00	24.00	207.00	1863
-----	-----	-----	-----	3.00	2.00	5.00	-----	4.00	18.00	8.00	26.00	184.00	1864
-----	12.50	8.00	-----	5.00	3.00	10.00	-----	-----	15.60	10.00	20.00	323.50	1865
-----	-----	6.00	-----	-----	5.00	6.00	-----	4.00	-----	5.00	17.00	181.75	1866
-----	-----	-----	-----	5.00	2.00	6.00	-----	-----	13.50	3.00	15.00	213.00	1867
-----	-----	8.00	-----	9.00	2.00	5.00	-----	4.00	14.00	5.00	21.00	246.60	1868
-----	-----	-----	-----	6.00	3.00	9.00	-----	-----	12.50	7.00	16.00	322.00	1869
-----	-----	-----	9.00	7.00	4.00	6.00	-----	6.00	14.00	5.00	15.00	183.00	1870
-----	-----	-----	-----	-----	-----	1.50	-----	-----	7.60	-----	4.50	278.50	1871
-----	-----	-----	-----	7.50	10.00	15.00	\$12.00	-----	26.00	30.00	8.00	350.50	1872
\$5.50	-----	-----	-----	12.00	4.00	10.40	-----	-----	10.00	47.00	6.00	390.50	1873
-----	-----	-----	-----	5.00	10.00	15.00	13.00	-----	10.20	20.00	4.00	338.54	1874
-----	-----	6.00	-----	-----	7.00	2.60	-----	-----	4.16	-----	12.50	381.60	1875
-----	25.00	-----	-----	20.00	10.00	16.65	-----	-----	-----	150.00	162.00	765.05	1876
-----	-----	4.25	-----	15.00	10.00	7.80	-----	-----	24.00	8.00	7.50	447.15	1877
-----	3.00	-----	-----	15.00	10.00	8.00	25.00	100.00	-----	80.00	9.25	514.25	1878
-----	-----	-----	-----	3.00	-----	1.50	-----	-----	10.00	15.00	4.00	168.20	1879
-----	-----	-----	-----	-----	-----	-----	-----	-----	5.20	-----	4.25	166.79	1880
-----	-----	4.00	-----	-----	4.00	2.00	-----	-----	5.00	12.00	6.50	163.50	1881
-----	-----	-----	-----	-----	-----	3.25	-----	-----	10.00	-----	9.00	210.45	1882
-----	30.00	-----	-----	10.00	10.00	20.00	15.00	-----	12.75	20.00	8.00	572.11	1883
-----	-----	-----	-----	2.00	1.00	4.00	-----	-----	5.20	-----	42.00	537.92	1884
-----	-----	-----	-----	5.00	2.00	6.00	-----	12.00	10.40	-----	12.00	343.60	1885
3.50	24.00	-----	-----	5.00	-----	3.50	-----	-----	5.00	-----	26.00	400.52	1886
-----	-----	-----	-----	8.00	2.00	15.60	30.00	-----	-----	-----	5.00	329.30	1887
-----	-----	-----	-----	5.00	2.00	-----	-----	-----	5.20	12.00	6.00	276.84	1888
4.00	40.00	-----	12.00	5.00	15.00	10.00	-----	-----	26.00	100.00	40.00	446.00	1889
-----	-----	-----	-----	5.00	2.00	3.00	-----	15.00	10.00	-----	6.00	243.34	1890
2.00	32.00	-----	-----	-----	4.00	7.80	52.00	-----	9.00	40.00	7.00	445.56	1891
-----	-----	-----	-----	5.00	3.00	3.00	-----	-----	9.76	50.00	5.00	297.88	1892
-----	-----	-----	-----	15.00	-----	-----	-----	-----	12.00	100.00	39.00	644.00	1893
-----	-----	-----	-----	10.00	-----	8.00	-----	-----	6.00	20.00	5.00	279.50	1894
-----	-----	6.00	-----	2.00	2.00	-----	-----	30.00	27.20	10.00	12.00	461.72	1895
-----	-----	-----	6.85	.71	.29	1.24	11.56	4.88	9.90	20.43	9.66	164.12	1896
-----	-----	-----	-----	1.43	.71	7.90	4.76	6.19	8.57	19.83	12.00	195.16	1897
-----	-----	-----	-----	-----	3.09	1.43	10.71	4.76	2.38	20.84	9.04	154.53	1898
-----	-----	-----	-----	-----	1.00	1.55	5.71	13.04	4.45	23.48	4.14	126.27	1899
-----	-----	-----	.85	-----	3.33	2.38	9.52	18.09	0.52	28.05	9.83	213.90	1900
-----	-----	-----	-----	.71	1.12	-----	10.78	9.52	3.33	17.43	22.21	144.33	1901
-----	-----	-----	-----	-----	-----	-----	4.76	11.19	2.86	12.38	19.04	79.73	1902
-----	-----	-----	-----	1.24	-----	.95	-----	6.19	1.14	9.28	17.27	65.82	1903
-----	-----	-----	-----	1.43	-----	-----	-----	3.57	-----	5.71	7.21	51.94	1904
-----	-----	-----	-----	.48	-----	-----	-----	8.57	4.28	14.23	4.40	108.99	1905
-----	-----	-----	-----	-----	.85	-----	9.04	7.14	4.28	16.31	12.78	142.14	1906
-----	-----	-----	1.43	.95	.29	1.09	-----	10.23	1.86	18.66	17.61	121.95	1907
-----	-----	3.43	.95	.48	.71	4.88	-----	12.00	7.99	20.78	14.99	159.40	1908
-----	-----	-----	-----	-----	2.86	7.14	7.14	8.57	5.11	13.51	10.60	142.88	1909
-----	-----	-----	-----	1.00	-----	7.14	-----	8.71	2.86	1.43	13.17	112.14	1910
-----	-----	-----	-----	-----	2.86	-----	-----	28.56	7.14	.58	17.71	148.29	1911
-----	-----	-----	-----	1.19	.53	.95	2.38	5.71	3.57	11.89	14.20	129.96	1912
-----	-----	-----	-----	1.19	.48	-----	7.14	10.47	-----	20.68	10.00	124.13	1913
-----	-----	.48	-----	2.86	9.52	18.09	9.52	4.76	12.92	163.76	-----	-----	1914
-----	-----	-----	-----	.88	-----	5.95	10.47	3.09	6.24	17.21	111.76	-----	1915
-----	-----	1.02	-----	.78	-----	.95	8.33	4.69	18.30	4.69	102.40	-----	1916
-----	-----	-----	-----	.71	.55	-----	5.95	7.00	3.09	19.26	12.50	103.25	1917
-----	-----	-----	-----	.71	.36	-----	10.95	8.19	2.86	20.55	4.40	111.60	1918
-----	-----	-----	-----	.71	.29	-----	5.95	14.28	4.28	17.71	14.99	123.89	1919
-----	-----	-----	-----	.95	.36	1.19	7.14	8.81	2.86	17.93	2.92	99.19	1920
-----	-----	-----	-----	1.43	.48	-----	4.76	9.52	3.57	1.43	14.01	96.69	1921
-----	-----	.48	-----	-----	-----	-----	-----	6.66	4.99	1.90	17.34	86.35	1922
-----	-----	-----	-----	1.30	-----	5.47	9.28	4.43	15.95	17.05	151.33	-----	1923
-----	-----	-----	-----	1.19	-----	9.04	10.54	3.91	3.45	17.57	117.86	-----	1924
-----	-----	.71	-----	-----	-----	5.95	6.66	2.86	4.64	9.04	79.60	-----	1925
-----	-----	-----	-----	-----	-----	2.38	9.28	2.62	10.95	9.52	84.53	-----	1926
-----	-----	-----	-----	.95	.76	.95	7.14	15.83	2.86	17.38	1.14	157.27	1927
.78	-----	-----	1.43	1.19	.48	-----	.48	14.88	1.43	7.14	6.18	129.55	1928



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Budget number.	Rent.		Fuel.			Lighting.			Clothing.			Furniture and utensils.	Taxes.
	Rooms.	Cost.	Kind.	Quantity (tons).	Cost.	Kind.	Quantity (gallons).	Cost.	Husband.	Wife.	Children.		
1929	2	\$17.13	Coal	.....	\$5.71	Oil	.....	\$2.70	\$10.76	\$5.71	\$45.22	\$4.76	\$0.88
1930	2	11.42	Coal	.....	7.14	Oil	.....	3.05	19.25	11.90	15.47	1.43	8.22
1931	8	146.00	Coal	.....	48.67	Gas	.....	9.73	73.00	73.00	97.33	19.47	36.50
1932	O. H.	.....	Coal	.....	38.93	Gas	.....	7.30	97.33	97.33	48.67	9.73	43.80
1933	8	97.33	Coal	.....	29.20	Oil	.....	4.87	34.07	29.20	38.93	9.73	21.90
1934	O. H.	.....	Coal	.....	43.80	Gas	.....	9.73	58.40	48.67	58.40	14.60	38.93
1935	5	77.86	Coal	.....	29.20	Gas	.....	4.87	24.33	24.33	68.13	2.43	.....
1936	3	36.50	Coal	.....	19.47	Oil	.....	2.43	19.47	19.47	14.60	1.22	.....
1937	4	48.67	Coal	.....	14.60	Oil	.....	2.43	14.60	9.73	9.73	1.22	.....
1938	O. H.	.....	Coal	.....	24.33	Gas	.....	8.52	19.47	19.47	48.67	1.22	14.60
1939	O. H.	.....	Coal	.....	29.20	Gas	.....	4.87	24.33	24.33	73.00	1.22	14.60
1940	5	63.26	Coal	.....	24.33	Oil	.....	2.92	19.47	14.60	48.67	1.22	.....
1941	6	87.60	Coal	.....	34.07	Gas	.....	7.30	38.93	38.93	38.93	4.87	.....
1942	7	97.33	Coal	.....	29.20	Gas	.....	7.30	34.07	34.07	97.33	9.73	.....
1943	4	48.67	Coal	.....	19.47	Oil	.....	3.65	14.60	14.60	38.93	2.43	.....
1944	4	48.67	Coal	.....	19.47	Oil	.....	3.65	19.47	19.47	19.47	1.22	.....
1945	5	63.26	Coal	.....	19.47	Oil	.....	3.65	21.90	19.47	.....	2.43	.....
1946	6	97.33	Coal	.....	29.20	Gas	.....	7.30	24.33	24.33	48.67	9.73	.....
1947	O. H.	.....	Coal	.....	14.60	Oil	.....	3.65	14.60	19.47	19.47	2.43	14.60
1948	4	68.13	Coal	.....	24.33	Gas	.....	4.87	9.73	19.47	38.93	2.43	.....
1949	5	58.40	Coal	.....	19.47	Oil	.....	4.87	19.47	14.60	20.20	2.43	.....
1950	5	75.92	Coal	.....	29.20	Oil	.....	3.89	19.47	19.47	20.20	1.22	.....
1951	5	68.13	Coal	.....	24.33	Gas	.....	4.87	24.33	19.47	48.67	2.43	.....
1952	4	63.26	Coal	.....	19.47	Oil	.....	4.38	24.33	24.33	24.33	1.22	.....
1953	4	48.67	Coal	.....	19.47	Gas	.....	3.65	24.33	24.33	24.33	2.43	.....
1954	3	30.50	Coal	.....	10	24.33	Oil	.....	5.60	29.20	.....	77.86	.....
1955	3	21.42	Coal	.....	12	29.20	Oil	.....	6.33	24.33	19.47	.....	.....
1956	4	35.12	Coal	.....	12	29.20	Oil	.....	3.16	14.60	9.73	.....	.....
1957	3	28.38	Coal	.....	10	24.33	Oil	.....	4.38	14.60	9.73	38.93	.....
1958	3	37.88	Coal	.....	10	24.33	Oil	.....	3.65	14.60	9.73	19.47	.....
1959	4	36.83	Coal	.....	10	24.33	Oil	.....	4.38	14.60	19.47	14.60	.....
1960	4	32.61	Coal	.....	10	24.33	Oil	.....	3.89	14.60	12.16	2.43	.....
1961	3	32.61	Coal	.....	10	24.33	Oil	.....	4.38	19.47	19.47	24.33	.....
1962	4	41.04	Coal	.....	10	24.33	Oil	.....	6.33	19.47	19.47	68.13	.....
1963	4	35.77	Coal	.....	10	24.33	Oil	.....	4.14	14.60	9.73	14.60	.....
1964	4	25.63	Coal	.....	12	29.20	Oil	.....	5.36	24.33	19.47	82.73	.....
1965	3	30.00	Coal	.....	12	29.20	Oil	.....	4.87	20.20	29.20	9.73	.....
1966	5	34.07	Coal	.....	12	29.20	Oil	.....	4.87	29.20	29.20	4.87	.....
1967	4	29.44	Coal	.....	10	24.33	Oil	.....	4.38	24.33	19.47	9.73	.....
1968	3	28.38	Coal	.....	10	24.33	Oil	.....	5.36	24.33	29.20	48.67	.....
1969	5	46.72	Coal	.....	12	29.20	Oil	.....	3.65	19.47	21.83	9.73	.....
1970	6	80.90	Coal	.....	12	29.20	Oil	.....	3.65	9.73	9.73	48.67	.....
1971	O. H.	.....	Coal	.....	15	36.50	Oil	.....	4.87	38.93	29.20	.....	.....
1972	3	35.04	Coal	.....	12.16	.....	.....	4.38	9.73	9.73	24.33	1.46	.....
1973	4	27.41	Coal	.....	12.16	Oil	.....	6.33	12.16	9.73	48.66	2.43	.....
1974	3	40.55	Coal	.....	12.16	Oil	.....	4.87	14.60	14.60	58.40	7.30	.....
1975	3	21.09	Coal	.....	12.16	.....	.....	4.14	14.60	12.16	29.20	.....	.....
1976	3	40.06	Coal	.....	12.16	Oil	.....	4.14	12.16	.....	9.73	.....	.....
1977	8	97.33	Coal	.....	29.20	Gas	.....	7.30	48.67	48.67	73.00	4.87	19.47
1978	4	58.40	Coal	.....	10.47	Oil	.....	2.92	19.47	10.47	12.17	1.22	.....
1979	2	24.17	Coal	.....	10	24.33	Oil	.....	3.65	24.33	24.33	.....	.....
1980	4	27.33	Coal	.....	10	24.33	Oil	.....	4.38	19.47	14.60	.....	.....
1981	4	34.72	Coal	.....	10	24.33	Oil	.....	5.84	19.47	19.47	19.47	.....
1982	.....	34.07	Coal	.....	9.73	Oil	.....	9.73	19.47	19.47	34.07	4.87	6.09
1983	.....	48.67	Coal	.....	12.16	Oil	.....	9.73	19.47	24.33	97.33	0.73	9.73
1984	2	38.93	Coal	.....	9.73	.....	.....	4.87	17.03	19.47	29.20	2.43	3.65
1985	4	48.67	Coal	.....	12.16	Oil	.....	9.73	19.47	14.60	43.80	4.87	7.30
1986	.....	43.80	Coal	.....	12.16	Oil	.....	4.87	38.93	36.50	29.20	2.43	1.70
1987	.....	38.93	.....	.....	9.73	.....	.....	7.30	24.33	29.20	68.13	4.87	7.30
1988	.....	31.63	Coal	.....	9.73	Oil	.....	4.87	24.33	14.60	29.20	4.87	2.43
1989	.....	38.93	Coal	.....	9.73	Oil	.....	7.30	17.03	12.16	24.33	4.87	7.30
1990	.....	43.80	Coal	.....	14.60	Oil	.....	7.30	48.67	19.47	58.40	9.73	12.16
1991	.....	43.80	Coal	.....	9.73	Oil	.....	7.30	24.33	24.33	14.60	7.30	7.30
1992	.....	43.80	Coal	.....	9.73	Oil	.....	7.30	34.07	24.33	38.93	9.73	7.30
1993	.....	43.80	Coal	.....	12.16	.....	.....	7.30	24.33	14.60	70.56	12.16	7.30
1994	.....	77.86	Coal	.....	14.60	Oil	.....	12.16	29.20	29.20	126.53	9.73	17.03
1995	.....	43.80	Coal	.....	9.73	Oil	.....	7.30	29.20	19.47	24.33	4.87	7.30
1996	4	58.40	Coal	.....	0.73	Oil	.....	7.30	29.20	10.47	34.07	4.87	10.95
1997	.....	43.80	Coal	.....	12.16	.....	.....	7.30	24.33	14.60	20.20	4.87	7.30
1998	6	97.33	Coal	.....	17.03	.....	.....	14.60	34.07	29.20	87.60	14.60	17.03
1999	4	43.80	Coal	.....	12.16	Oil	.....	7.30	21.90	24.33	58.40	4.87	7.30
2000	4	43.80	Coal	.....	12.16	Oil	.....	4.87	24.33	24.33	58.53	4.87	7.80



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
.....	.....	.....	.....	\$0.48	\$0.38	.....	\$3.57	\$17.37	\$2.14	\$2.14	\$4.10	\$123.05	1929
.....	.....	.....	.....	.95	.29	.....	.....	12.97	2.86	8.57	3.71	108.66	1930
.....	\$19.46	.....	12.17	4.87	4.87	\$29.20	97.33	97.33	12.17	9.73	.....	790.83	1931
14.60	.....	.....	8.76	4.87	9.73	9.73	73.00	97.33	9.73	4.87	.....	575.71	1932
.....	9.74	\$7.30	12.17	.....	2.43	2.43	24.33	48.67	.....	24.33	.....	396.63	1933
34.07	19.46	.....	12.16	4.87	3.65	7.30	97.33	107.66	9.73	9.73	.....	577.89	1934
.....	.....	.....	12.16	4.87	2.43	4.87	2.43	.....	6.33	.....	.....	264.24	1935
.....	4.86	2.43	6.33	2.43	2.43	2.43	1.22	6.33	6.33	2.92	.....	150.87	1936
.....	.....	1.05	.....	.....	.....	2.43	9.73	29.20	9.73	2.92	.....	156.04	1937
.....	2.10	2.92	7.30	.....	2.43	1.22	1.22	9.73	7.30	4.87	.....	175.37	1938
.....	.....	2.92	7.30	2.43	2.43	2.43	2.43	.....	.....	2.92	.....	194.41	1939
.....	6.98	2.43	6.33	.....	.....	2.43	2.43	3.65	4.87	2.91	.....	206.50	1940
.....	3.41	.....	7.30	4.87	7.30	4.87	33.93	48.67	9.73	2.92	.....	378.63	1941
.....	9.74	.....	12.17	4.87	2.43	4.87	34.06	48.67	12.17	24.83	.....	462.34	1942
.....	2.92	2.92	5.84	.....	1.22	2.43	14.60	38.93	6.33	2.92	.....	220.46	1943
.....	12.66	2.92	9.73	2.43	2.43	4.87	4.87	38.93	7.30	14.60	.....	232.16	1944
.....	2.19	2.92	6.33	4.87	.....	4.87	24.33	.....	.....	.....	.....	175.69	1945
.....	9.74	7.30	6.33	4.87	4.87	4.87	38.93	.....	6.33	.....	.....	324.13	1946
.....	3.89	2.92	6.33	.....	2.43	2.43	9.73	24.33	6.33	.....	.....	147.21	1947
.....	.....	2.92	7.30	.....	.24	2.43	.....	2.43	6.33	.73	.....	190.27	1948
.....	.....	.....	6.33	.....	.....	2.43	.49	14.60	4.87	.....	.....	177.16	1949
.....	.....	2.43	7.30	2.43	1.22	2.43	1.70	12.17	.....	2.43	.....	210.48	1950
.....	.....	.....	7.30	.....	.....	2.43	2.43	7.30	4.87	9.73	.....	226.29	1951
.....	.....	.....	12.17	2.43	2.43	4.87	.24	1.95	.....	2.92	.....	183.33	1952
.....	12.66	5.84	12.65	.....	4.87	4.87	14.60	97.33	9.73	.....	.....	309.70	1953
.....	.....	.....	20.30	.....	.....	4.22	.....	18.98	18.98	4.22	37.96	272.15	1954
.....	.....	.....	6.85	.....	.....	3.16	.....	18.98	18.98	3.17	.....	151.89	1955
.....	.....	.....	6.85	.....	.....	.....	.....	.....	8.44	1.06	.....	108.16	1956
.....	.....	.....	6.85	.....	.....	.....	.....	.....	.....	2.13	.....	129.33	1957
.....	.....	.....	6.85	.....	.....	.....	.....	.....	12.65	2.12	.....	131.28	1958
.....	.....	.....	6.85	4.87	.....	.....	.....	.....	.....	3.17	.....	129.10	1959
.....	.....	.....	6.85	.....	.....	.....	.....	.....	.....	2.12	.....	98.99	1960
.....	.....	.....	6.85	.....	.....	.....	.....	12.66	18.98	3.17	.....	166.25	1961
.....	.....	.....	6.85	.....	.....	3.16	.....	.....	.....	3.17	.....	191.95	1962
.....	.....	.....	6.85	.....	.....	.....	.....	.....	.....	3.17	37.89	151.08	1963
.....	.....	.....	15.82	.....	.....	2.11	9.73	63.26	33.74	5.27	.....	316.65	1964
.....	.....	.....	13.70	.....	.....	.....	.....	49.48	25.30	4.23	.....	225.81	1965
.....	.....	.....	6.85	.....	.....	7.38	11.60	.....	16.87	4.23	.....	181.34	1966
.....	.....	.....	6.85	.....	.....	3.16	.....	12.05	12.65	3.17	.....	150.16	1967
.....	.....	.....	6.85	.....	.....	3.16	9.73	.....	12.65	4.23	.....	196.89	1968
.....	.....	.....	6.85	.....	.....	2.11	.....	.....	.....	2.12	.....	144.18	1969
.....	.....	.....	28.47	.....	.....	4.22	.....	38.93	24.33	4.22	.....	232.05	1970
.....	.....	.....	6.85	6.33	.....	9.49	.....	.....	16.87	.....	117.05	266.09	1971
.....	.....	.....	.....	.....	.....	1.46	.....	12.65	6.33	1.05	.....	118.32	1972
.....	.....	.....	3.10	.....	.....	1.46	.....	12.65	6.35	1.06	.....	143.56	1973
.....	9.49	6.33	3.16	2.43	1.46	2.43	.....	25.30	12.65	1.05	.....	216.78	1974
.....	3.16	.....	1.46	.....	.....	1.46	.....	.....	6.33	1.05	.....	106.81	1975
.....	3.16	3.16	.....	7.30	.....	1.46	.....	12.65	12.65	1.05	.....	119.68	1976
.....	.....	.....	12.17	7.30	.....	.....	48.67	58.40	18.98	.....	19.47	500.80	1977
.....	.....	1.05	6.08	1.22	2.43	1.22	1.22	37.90	6.33	1.05	.....	191.68	1978
.....	.....	.....	6.85	4.87	.....	5.27	19.46	12.65	12.65	3.16	6.34	172.06	1979
.....	.....	.....	6.85	18.98	.....	.....	.....	18.98	.....	2.12	.....	137.04	1980
.....	.....	.....	6.85	6.33	.....	3.16	19.46	18.98	15.82	4.23	.....	198.13	1981
.....	2.44	5.84	1.22	4.87	2.43	1.22	9.73	6.33	10.54	.....	.....	182.12	1982
.....	2.44	29.20	.....	4.87	14.60	12.16	97.32	.....	.....	.....	63.26	455.00	1983
.....	.....	6.36	.....	.....	2.43	2.43	9.74	.....	.....	.....	.....	146.27	1984
.....	2.10	6.33	.....	9.73	2.43	4.87	24.33	.....	.....	.....	.....	210.39	1985
.....	.....	.....	.....	7.30	.....	2.43	21.90	.....	.....	2.43	.....	203.65	1986
.....	2.44	14.60	.....	7.30	4.87	2.43	34.06	24.33	14.60	31.07	.....	328.49	1987
.....	2.44	7.30	.....	9.73	4.87	7.30	68.13	.....	.....	.....	24.33	262.79	1988
.....	2.10	.....	.....	7.30	2.45	2.45	21.69	.....	.....	17.03	.....	157.84	1989
.....	3.16	14.60	.....	.....	19.47	4.87	73.00	.....	.....	9.73	.....	338.96	1990
.....	4.74	14.60	.....	14.60	4.87	12.16	17.03	24.33	14.60	11.00	.....	260.22	1991
.....	1.22	14.60	.....	24.33	14.60	4.87	29.20	.....	.....	63.26	9.73	337.00	1992
.....	2.44	7.30	2.43	.....	7.30	4.87	19.46	.....	.....	12.16	.....	248.17	1993
.....	2.44	29.20	.....	34.07	24.33	14.60	97.33	.....	.....	9.73	.....	528.01	1994
.....	2.44	14.60	.....	9.73	4.87	12.16	24.33	.....	.....	.....	.....	214.13	1995
.....	3.16	12.16	.....	14.60	4.87	7.30	35.94	.....	.....	.....	.....	255.02	1996
.....	2.10	14.60	.....	4.87	4.87	4.87	24.33	.....	.....	.....	.....	199.20	1997
2.43	10.63	14.60	4.87	38.93	14.60	14.60	82.72	72.99	.....	.....	.....	567.83	1998
.....	2.10	14.60	4.87	9.73	4.87	4.87	24.33	.....	.....	.....	4.87	250.30	1999
.....	2.10	14.60	.....	4.87	4.87	4.87	29.20	.....	.....	.....	.....	235.70	2000

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.		
2001		\$34.07	Coal		\$9.73			\$7.30	\$17.03	\$19.47	\$38.93	\$4.87	\$2.43
2002	3	38.93	Coal		9.73	Oil		7.30	14.60	9.73	19.47	4.87	4.87
2003	4	53.53	Coal		12.16	Oil		9.73	24.33	14.60	24.33	4.87	9.73
2004	4	43.80	Coal		12.16	Oil		7.30	17.03	38.93	58.40	4.87	9.73
2005		68.13	Coal		14.60	Oil		9.73	43.80	43.80	121.66	14.60	19.47
2006		38.93			9.73			7.30	29.20	24.33	97.33	7.30	4.87
2007	5	53.53	Coal		14.60	Oil		9.73	24.33	19.47	38.93	4.87	9.73
2008	6	87.60	Coal		19.47	Gas		14.60	34.07	24.33	150.86	34.07	21.90
2009		34.07			9.73			9.73	19.47	19.47	58.40	4.87	7.30
2010	O. H.		Coal		9.73			9.73	34.07	24.33	63.26	9.73	9.73
2011		38.93	Coal		9.73	Oil		9.73	24.33	14.60	43.80	4.87	7.30
2012		63.26	Coal		9.73	Oil		9.73	58.40	48.67	77.86	218.99	19.47
2013		43.80			9.73			9.73	34.07	38.93	102.20	9.73	9.73
2014		43.80	Coal		9.73	Oil		7.30	24.33	29.20	111.93	9.73	7.30
2015		43.80			9.73			9.73	29.20	29.20	48.67	9.73	
2016		68.13	Coal		14.60	Oil		9.73	24.33	19.47	116.80	14.60	14.60
2017		31.63			9.73	Oil		4.87	21.90	19.47		2.43	1.46
2018		55.96	Coal		19.47	Oil		9.73	24.33	21.90	48.67	12.16	2.43
2019		38.93	Coal		12.16	Oil		6.09	24.33	19.47		4.87	1.46
2020		48.67	Coal		14.60	Oil		7.30	17.03	19.47	72.99	9.73	1.95
2021		58.40	Coal		17.03	Oil		9.73	29.20	24.33		9.73	2.43
2022		48.67	Coal		9.73	Gas		9.73	29.20	29.20	19.47	0.73	9.73
2023		48.67	Coal		13.38	Oil		6.09	18.25	24.33	70.56	2.43	1.95
2024		68.13	Coal		19.47	Gas		9.73	24.33	24.33	58.40	7.30	3.41
2025		26.76	Coal		7.30	Oil		4.87	12.16	12.16			1.22
2026		38.93	Coal		14.60	Oil		7.30	19.47	19.47	43.80	2.43	1.95
2027		38.93	Coal		12.16	Oil		6.09	14.60	14.60	58.40	2.43	1.95
2028		68.13	Coal		19.47	Gas		9.73	41.56	34.07	43.80		3.41
2029		48.67	Coal		12.16	Gas		12.16	34.07	29.20	121.66	9.73	7.30
2030		26.76	Coal		9.73	Oil		6.09	19.47	14.60	29.20		1.22
2031	4	58.40	Coal		14.60	Gas		9.73	34.07	29.20	92.46	9.73	9.73
2032		48.67	Coal		14.60	Gas		9.73	48.67	38.93	72.99	9.73	7.30
2033	5	77.86	Coal		14.60	Oil		9.73	34.07	34.07	145.99	14.60	12.16
2034		58.40	Coal		17.03	Oil		7.30	48.67	48.67	121.66	9.73	7.55
2035		46.23	Coal		13.38	Oil		6.09	24.33	21.92	38.93	2.43	2.19
2036		41.36			12.16	Oil		4.87	29.20	24.33	4.87		
2037		72.99	Coal		17.03			12.16	24.33	19.47			3.65
2038		34.07	Coal		12.65	Oil		4.87	38.93	34.07	2.43	1.46	1.46
2039		48.67	Coal		17.03	Oil		7.30	24.33	29.20	48.67	9.73	2.19
2040		38.93	Coal		14.60	Gas		9.73	48.67	63.26	9.73	4.87	1.70
2041		48.67	Coal		13.38	Oil		4.87	21.90	19.47		2.43	2.43
2042	2	34.07	Coal		7.30	Oil		7.30	12.18	17.03	2.43		1.70
2043	3	43.80	Coal		14.60	Oil		8.52	29.20	24.33	14.60	9.73	2.19
2044		72.99	Coal		19.47	Oil		9.73	48.67	51.10		14.60	3.65
2045	2	31.63	Coal		9.73	Oil		8.52	19.47	19.47			1.46
2046		29.20			9.73	Oil		4.87	19.47	21.90	4.87		1.46
2047		38.93	Coal		13.38	Oil		7.30	14.60	17.03	26.76	7.30	1.95
2048		29.20	Coal		9.73	Oil		4.87	9.73	9.73	20.20		1.46
2049	5	72.99	Coal		21.90			12.16	29.20	24.33	48.67	14.60	3.65
2050		48.67	Coal		14.60	Oil		7.30	29.20	29.20	9.73	7.30	2.43
2051		38.93	Coal		12.16	Oil		4.87	14.60	14.60	31.63		1.95
2052		48.67	Coal		14.60	Oil		7.30	29.20	31.63	59.40	2.43	2.43
2053		34.07	Coal		9.73	Oil		12.16	29.20	14.60	31.63	7.30	4.87
2054	2	38.93	Coal		12.16	Oil		4.86	14.60	19.47	14.60		1.95
2055		77.86	Coal		19.47	Oil		9.73	19.47	29.20	72.99	7.30	3.89
2056		55.96	Coal		17.03	Oil		7.30	14.60	21.90	43.80		2.68
2057		51.10	Coal		17.03	Oil		7.30	43.80	42.58	72.99	7.30	
2058		38.93	Coal		14.60	Oil		9.73	24.33	24.33	58.40	14.60	1.70
2059	5	58.40	Coal		12.16	Oil		9.73	29.20	38.93	58.40	4.87	12.16
2060	5	53.40	Coal		12.16	Oil		7.30	21.89	24.33	77.86	4.87	8.52
2061	5	72.99	Coal		14.60	Oil		9.73	19.47	14.60	87.60	7.29	14.60
2062	4	58.40			12.16			7.30	17.03	14.60	77.86	7.30	9.73
2063	5	68.13	Coal		12.13	Oil		7.30	24.33		97.33	9.73	14.60
2064	4	48.67	Coal		12.16	Oil		9.73	29.20	38.93	97.33	4.87	9.73
2065		53.53	Coal		12.16	Oil		7.30	24.33	14.60	48.67	7.30	14.60
2066	4	48.67	Coal		12.16	Oil		7.30	26.76	24.33	68.13	4.87	9.73
2067	3	38.93	Coal		9.73	Oil		9.73	24.33	31.63	21.90	4.87	4.87
2068	2	31.63	Coal		9.73	Oil		4.87	17.03	19.47	43.80	2.43	2.43
2069	5	87.60	Coal		14.60	Oil		9.73	34.07	24.33	58.40	24.33	24.33
2070	3	20.04	Coal		12.16	Oil		4.38	14.60	12.16	48.67	2.43	
2071	7	194.66	Coal		43.80	Gas		14.60	38.93	38.93	29.20	9.73	2.92
2072	4	63.26	Coal		19.47	Oil		2.92	14.60	14.60	38.93	1.22	



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
		\$12.16			\$4.87	\$4.87	\$19.46	\$48.67				\$223.86	2001
		6.33		\$7.30	2.43		4.87					179.10	2002
	\$1.22	14.60		9.73	4.87	4.87	24.33	29.20	\$19.47			215.90	2003
				9.73	4.87	4.87	29.20					240.89	2004
	4.74	14.60	\$4.87	4.87	14.60		87.59				\$58.40	525.46	2005
	2.44	14.60	2.43		9.73	7.30	34.06	24.33	17.05	\$21.90		352.83	2006
	2.44	14.60			4.87	2.43	9.73	14.60	12.65			236.51	2007
	2.44	29.20	9.73	19.47	29.20		155.73				87.57	720.24	2008
	2.10	7.30		9.73		2.43	12.16					196.76	20-9
\$2.43	2.44	14.60	2.43	14.60	4.87	19.47	29.20				24.33	274.95	2010
	2.10	7.30		9.73	4.87	4.87	19.47	24.33				225.96	2011
	4.22	14.60		19.47	9.73	4.87	77.86				9.73	646.59	2012
	3.16	14.60		24.33	9.73	9.73	58.40					377.87	2013
	2.44	7.30		19.47	4.87		43.80				19.47	340.67	2014
	2.44	14.60		14.60	14.60	4.87	29.20	68.13	19.47		24.33	372.30	2015
	2.92	7.30		7.30	9.73	4.87	58.40					372.78	2016
				2.43		2.43	7.30	24.33	14.60	3.65		146.23	2017
	3.90	3.65	1.22			4.87	38.93			9.73	107.06	364.01	2018
			2.43	1.22	1.22	2.43	7.30				2.43	124.34	2019
		3.65	2.43	2.43	1.22		40.16			7.30	86.87	335.80	2020
		3.65	2.43	2.43	2.43	7.30	53.53	29.20		9.73		261.55	2021
	2.44	14.60		14.60	4.87	4.87	29.20	19.47				255.51	2022
	4.86	7.30	2.43	1.22	1.22	2.43	38.94	24.33	9.73	4.87	9.73	292.72	2023
						3.65	29.20	38.93	14.60	9.73	9.73	320.94	2024
						2.43	9.74					76.64	2025
				2.43		2.43	4.87			7.30		164.98	2026
				1.22		2.43	21.90			21.90	4.87	201.48	2027
				2.43	2.43	7.30	19.47			4.87	9.73	263.63	2028
	2.44	14.60		14.60	9.73	9.73	70.56	34.07	14.60	17.03		462.31	2029
						2.43	21.90			4.87	4.87	141.14	2030
	3.16			4.87		9.73	48.67					324.35	2031
1.22		14.60	7.30	34.07	19.47	17.03	73.00			7.30	24.33	448.94	2032
	2.63	14.60		9.73	14.60	4.87	43.80	29.20		68.13		530.64	2033
	4.86	2.43		3.65	4.87	4.87	27.73			7.30	14.60	389.32	2034
		2.43				4.87	26.76			4.87		194.43	2035
						3.04	9.74					129.57	2036
1.22						2.43	9.73				24.33	187.34	2037
		3.29	7.30	1.22		7.30	41.36		14.60	3.65	77.86	287.12	2038
	4.86	4.87	2.43	1.46	1.22	21.90	29.20	24.33		7.30		284.69	2039
			7.30	6.09		12.16	65.21			4.87	9.73	296.85	2040
				1.22		2.43	38.93	29.20	19.47	2.43		206.83	2041
						2.43	4.87			1.22		90.53	2042
	3.90	3.65	1.22	2.43		8.52	41.36			2.43	4.87	215.35	2043
	7.30	9.73		7.30	4.87	9.73	46.23	97.33	19.47	12.16	4.87	439.20	2044
						2.43	17.03			2.43		112.17	2045
						7.30	19.46			4.87		123.13	2046
				2.43		2.43	25.56			2.43	2.43	162.53	2047
						1.22	14.60			4.87		114.61	2048
	4.86	7.30	2.43	3.65		9.73	58.40			19.47	172.75	506.09	2049
		4.87	2.43	1.22	1.22	7.30	24.34			7.30	53.54	250.65	2050
						2.43	4.87			2.43		128.47	2051
				1.22	1.22	4.87	26.77			2.43	1.22	232.39	2052
	2.44	14.60	2.43		9.73	7.30	87.59	24.33	14.60	14.60		321.18	2053
						1.22				2.43	38.93	149.15	2054
		2.43		4.87		2.43	36.49			34.07	4.87	325.07	2055
		2.43		2.43		7.30	14.60			2.43	4.87	197.33	2056
		2.43		2.43		7.30	17.03			3.65		274.94	2057
	3.90	2.43	2.43	1.22	2.43	9.73	24.34			4.87	4.87	242.84	2058
	4.22			12.16	4.87	9.73	34.07				48.66	337.56	2059
	2.10			4.87	4.87	7.30	29.20					263.67	2060
					2.43	9.73	48.68	215.21			9.73	526.66	2061
				9.73	2.43	4.87	29.22					252.73	2062
	2.11			14.60	9.73	9.73	34.07					303.79	2063
	2.63			9.73	4.87	9.73	24.33			9.73	9.73	321.37	2064
	2.63			9.73	9.73	9.73	34.06	29.20	19.47			297.04	2065
	2.10			9.73	4.87	14.60	29.20					262.45	2066
				9.73	2.43	9.73	14.60					182.48	2067
	2.10			1.22	1.22	4.87	14.62					155.42	2068
	8.34		4.87	14.60	14.60	14.60	63.27				87.60	485.27	2069
	3.16		2.43	2.43	1.46	3.65			6.33	1.05		134.95	2070
		2.92	6.33	4.87	.24	4.87	4.87		4.87	2.92		404.66	2071
		1.05	9.73	1.22		1.22	1.22		6.33	2.92		178.69	2072



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.		
2073	4	\$34.07	Coal	.....	\$19.47	Oil	.....	\$3.65	\$24.33	\$24.33	\$48.67	\$2.43	.....
2074	4	27.74	Coal	12	29.20	Oil	.....	4.87	24.33	24.33	48.67	.....	.....
2075	5	35.12	Coal	12	29.20	Oil	.....	4.87	38.93	29.20	38.93	.....	.....
2076	5	37.23	Coal	12	29.20	Oil	.....	4.87	29.20	29.20	14.60	.....	.....
2077	4	25.63	Coal	12	29.20	Oil	.....	4.14	34.07	29.20	.....	.....	.....
2078	4	34.07	Coal	12	29.20	Oil	.....	4.38	34.07	34.07	.....	.....	.....
2079	O. H.	.....	Coal	12	23.86	Gas	.....	9.73	29.20	38.93	.....	14.60	\$1.87
2080	4	30.50	Coal	10	24.33	Oil	.....	5.60	14.60	14.60	38.93	.....	.....
2081	O. H.	.....	Coal	12	29.20	Gas	.....	9.73	29.20	34.07	121.66	9.73	2.55
2082	3	24.33	Coal	12	29.20	Oil	.....	4.87	24.33	29.20	9.73	.....	.....
2083	4	35.12	Coal	12	29.20	Oil	.....	4.87	24.33	29.20	58.40	.....	.....
2084	5	35.12	Coal	12	29.20	Oil	.....	4.87	24.33	19.47	43.80	.....	.....
2085	5	53.53	Coal	10	24.33	Oil	.....	4.87	29.20	19.47	4.87	.....	.....
2086	4	27.24	Coal	12	29.20	Oil	.....	9.40	19.47	9.73	34.07	.....	.....
2087	6	47.77	Coal	12	29.20	Oil	.....	4.87	19.47	19.47	24.33	.....	.....
2088	5	30.90	Coal	12	29.20	Oil	.....	3.16	9.73	14.60	.....	.....	.....
2089	6	36.18	Coal	12	29.20	Oil	.....	4.38	19.47	19.47	9.73	.....	.....
2090	5	30.90	Coal	12	29.20	Oil	.....	4.14	24.33	19.47	4.87	.....	.....
2091	3	33.74	Coal	.....	12.16	Oil	.....	4.14	14.60	14.60	58.40	2.43	.....
2092	2	21.09	Coal	.....	12.16	Oil	.....	4.87	14.60	14.60	14.60	2.43	.....
2093	3	27.41	Coal	.....	13.16	Oil	.....	4.38	19.47	14.60	21.33	7.30	.....
2094	3	40.06	Coal	.....	12.10	Oil	.....	4.38	14.60	14.60	43.80	2.43	.....
2095	O. H.	.....	.....	.....	12.16	Oil	.....	4.87	14.60	14.60	29.20	7.30	4.87
2096	4	36.50	Coal	.....	14.60	Oil	.....	2.92	24.33	9.73	.....	97.33	.....

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
.....	.....	\$2.92	\$7.30	\$2.43	\$2.43	\$2.43	\$0.73	.....	.....	.....	.....	\$175.19	2073
.....	.....	.....	6.85	12.65	.....	4.22	.....	\$12.65	\$25.30	\$3.17	.....	223.98	2074
.....	.....	.....	15.82	18.98	.....	.....	.....	.....	.....	3.16	.....	214.21	2075
.....	.....	.....	.....	.....	.....	3.16	14.60	12.66	16.87	3.16	.....	194.75	2076
.....	.....	.....	15.81	9.73	.....	7.38	14.60	.....	.....	3.16	.....	172.92	2077
.....	.....	.....	6.85	.....	.....	3.16	24.33	71.23	19.47	3.17	.....	264.00	2078
.....	.....	.....	6.85	6.33	.....	6.33	14.60	18.98	.....	5.27	120.22	209.27	2079
.....	.....	.....	14.76	.....	.....	3.16	.....	31.63	.....	2.11	6.33	186.55	2080
.....	.....	.....	6.85	25.30	.....	5.27	43.67	.....	18.98	3.16	208.41	552.78	2081
.....	.....	.....	6.85	.....	.....	5.27	.....	17.80	.....	3.16	12.67	167.41	2082
.....	.....	.....	6.85	.....	.....	42.09	.....	18.98	16.87	3.16	25.31	294.38	2083
.....	.....	.....	6.85	.....	.....	.....	.....	37.96	14.60	4.23	.....	220.43	2084
.....	.....	.....	6.85	12.65	.....	42.09	16.32	.....	.....	3.17	.....	217.35	2085
.....	.....	.....	13.70	.....	.....	.....	4.87	.....	25.30	4.22	.....	177.29	2086
.....	.....	.....	6.85	.....	.....	7.38	19.47	.....	.....	4.20	18.99	202.00	2087
.....	.....	.....	6.85	.....	.....	.....	.....	.....	.....	.....	71.10	165.54	2088
.....	.....	.....	6.85	.....	.....	2.11	.....	18.98	16.87	3.17	.....	166.41	2089
.....	.....	.....	6.85	12.65	.....	7.37	.....	.....	.....	3.17	6.33	149.28	2090
.....	.....	.....	.....	.....	.....	2.43	2.43	25.30	6.35	1.06	.....	186.39	2091
.....	\$3.16	.....	3.16	2.43	.....	.....	.....	12.65	12.65	1.05	.....	129.68	2092
.....	.....	6.33	6.33	2.43	1.46	2.43	.....	12.65	12.65	2.11	.....	194.48	2093
.....	9.49	6.33	6.33	2.43	2.43	3.16	14.60	25.30	12.65	1.05	.....	177.35	2094
.....	6.32	6.33	.....	2.43	1.46	2.43	.....	12.65	12.65	1.05	.....	112.26	2095
\$1.46	6.33	6.33	6.33	.....	.....	3.16	.....	.....	.....	1.05	.....	235.36	2096
.....	2.62	2.92	.....	2.43	.....	4.87	34.06	3.65	.....	.....	.....	.....	.....

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
1713	5	No...	\$60.00	\$142.50	\$229.00	\$431.50	\$360.00	.....	.....	\$360.00	.....	\$71.50
1714	2	No...	60.00	112.80	185.00	357.80	340.00	.....	.....	340.00	.....	17.80
1715	7	No...	108.00	337.08	328.55	773.63	852.50	.....	.....	852.50	\$78.87	.....
1716	3	No...	120.00	250.40	231.60	602.00	697.50	.....	\$36.00	733.50	131.50	.....
1717	4	No...	120.00	242.44	249.60	612.04	900.00	.....	.....	900.00	287.96	.....
1718	6	No...	108.00	431.64	284.40	824.04	472.50	.....	456.00	928.50	104.46	.....
1719	4	No...	96.00	473.51	354.20	923.71	1,500.00	.....	.....	1,500.00	576.29	.....
1720	7	No...	144.00	306.46	353.95	804.41	1,380.00	.....	25.00	1,405.00	600.59	.....
1721	5	No...	144.00	333.04	470.40	947.44	972.00	.....	.....	972.00	24.56	.....
1722	3	No...	84.00	240.00	204.40	528.40	572.00	.....	.....	572.00	43.60	.....
1723	3	No...	96.00	209.60	277.82	643.42	646.50	.....	.....	646.50	3.08	.....
1724	4	No...	72.00	200.85	155.62	428.47	429.00	.....	.....	429.00	.53	.....
1725	4	No...	96.00	272.10	203.65	571.75	625.00	.....	.....	625.00	53.25	.....
1726	6	No...	72.00	208.00	231.50	511.50	520.00	.....	.....	520.00	8.50	.....
1727	4	No...	96.00	207.60	185.05	488.65	500.00	.....	.....	500.00	11.35	.....
1728	5	No...	96.00	215.32	299.00	610.32	600.00	.....	.....	600.00	.....	10.32
1729	3	No...	84.00	229.10	192.65	505.75	600.00	.....	.....	600.00	94.25	.....
1730	3	No...	96.00	300.00	250.40	646.40	634.50	.....	.....	634.50	11.90	.....
1731	3	No...	84.00	230.46	120.99	435.45	330.00	.....	.....	330.00	105.45	.....
1732	3	No...	84.00	245.92	282.35	612.27	700.00	.....	.....	700.00	87.73	.....
1733	5	No...	120.00	358.26	316.40	794.66	922.50	.....	.....	922.50	127.84	.....
1734	3	No...	96.00	230.92	225.80	552.72	707.25	.....	.....	707.25	154.53	.....
1735	5	No...	66.00	360.00	208.10	634.10	457.00	.....	.....	457.00	177.10	.....
1736	5	No...	84.00	360.00	312.60	756.60	535.50	.....	.....	535.50	221.10	.....
1737	4	No...	72.00	360.00	133.40	565.40	515.00	.....	.....	515.00	50.40	.....
1738	4	No...	108.00	480.00	295.40	883.40	814.88	.....	182.00	996.88	113.48	.....
1739	6	No...	84.00	254.10	307.55	645.65	526.00	.....	.....	526.00	119.65	.....
1740	5	No...	84.00	142.35	173.50	399.85	375.00	.....	.....	375.00	24.85	.....
1741	10	No...	84.00	585.00	374.80	1,043.80	640.00	\$376.00	.....	1,016.00	27.80	.....
1742	10	No...	120.00	514.93	370.90	1,005.83	786.00	420.00	.....	1,206.00	200.17	.....
1743	3	No...	60.00	250.86	191.90	502.76	452.00	.....	.....	452.00	50.76	.....
1744	7	No...	96.00	276.50	291.40	663.90	697.50	.....	.....	697.50	33.60	.....
1745	6	No...	120.00	500.80	328.40	949.20	955.26	406.62	.....	1,361.88	412.68	.....
1746	2	No...	54.00	300.00	210.40	564.40	752.00	.....	.....	752.00	187.60	.....
1747	3	No...	108.00	333.70	283.30	725.00	750.00	.....	.....	750.00	25.00	.....
1748	2	No...	96.00	240.60	279.44	616.04	680.00	.....	.....	680.00	63.96	.....
1749	2	No...	72.00	135.00	454.60	661.60	325.00	.....	.....	325.00	336.60	.....
1750	4	No...	90.00	334.80	163.80	588.60	620.00	.....	.....	620.00	31.40	.....
1751	4	No...	84.00	290.28	293.90	668.18	694.16	.....	.....	694.16	25.98	.....
1752	3	Yes...	.....	240.00	161.20	401.20	420.00	.....	.....	420.00	18.80	.....
1753	6	No...	96.00	217.30	133.20	446.50	275.50	.....	.....	275.50	171.00	.....
1754	6	No...	60.00	191.70	177.80	429.50	449.45	.....	70.00	519.45	89.95	.....
1755	6	Yes...	.....	280.25	243.00	523.25	480.00	.....	.....	480.00	43.25	.....
1756	7	No...	108.00	309.15	128.80	545.95	325.00	150.00	.....	475.00	70.95	.....
1757	5	No...	84.00	195.06	87.00	366.06	150.00	.....	.....	150.00	216.06	.....
1758	3	No...	96.00	235.90	209.80	541.70	270.00	200.00	.....	470.00	71.70	.....
1759	7	No...	96.00	335.98	226.00	657.98	540.00	120.00	120.00	780.00	122.02	.....
1760	3	No...	48.00	217.18	97.20	362.38	345.00	.....	.....	345.00	17.38	.....
1761	4	No...	72.00	142.03	83.00	297.03	190.00	.....	.....	190.00	107.03	.....
1762	2	No...	120.00	207.00	124.40	451.40	475.00	.....	.....	475.00	23.60	.....
1763	6	No...	96.00	303.82	225.00	624.82	720.00	45.00	.....	765.00	140.18	.....
1764	5	No...	66.00	272.70	165.50	504.20	400.00	100.00	.....	500.00	4.20	.....
1765	4	No...	78.00	174.73	126.10	378.83	263.20	.....	20.00	283.20	95.63	.....
1766	3	No...	54.00	209.80	139.40	403.20	350.00	.....	.....	350.00	53.20	.....
1767	3	No...	96.00	225.41	288.00	609.44	626.53	.....	.....	626.53	17.09	.....
1768	4	No...	96.00	265.00	203.00	564.00	800.00	.....	.....	800.00	236.00	.....
1769	6	No...	84.00	272.00	314.70	670.70	840.00	.....	.....	840.00	169.30	.....
1770	4	Yes...	.....	505.06	250.70	555.76	350.00	.....	238.00	588.00	32.24	.....
1771	5	Yes...	.....	262.92	290.85	553.77	550.00	.....	50.00	600.00	46.23	.....
1772	3	No...	Free	200.06	125.50	325.56	360.00	.....	.....	360.00	34.44	.....
1773	3	Yes...	.....	195.20	315.50	510.70	850.00	.....	.....	850.00	339.30	.....
1774	4	Yes...	.....	229.70	732.03	961.70	1,000.00	.....	48.00	1,048.00	86.30	.....
1775	5	No...	120.00	247.60	220.80	588.40	675.00	.....	.....	675.00	86.60	.....
1776	8	No...	120.00	353.40	352.40	825.80	300.00	220.00	320.00	840.00	14.20	.....
1777	12	Yes...	.....	676.40	460.00	1,136.40	120.00	450.00	372.00	942.00	194.40	.....
1778	6	No...	120.00	349.20	330.50	799.70	630.00	.....	238.00	868.00	68.30	.....
1779	4	No...	90.00	201.90	172.50	464.40	240.00	.....	108.00	348.00	116.40	.....
1780	9	No...	114.00	392.79	360.00	866.79	260.00	535.00	.....	795.00	71.79	.....
1781	2	No...	60.00	113.56	68.20	241.76	200.00	.....	.....	200.00	41.76	.....
1782	8	No...	96.00	297.10	203.50	596.60	300.00	.....	320.00	620.00	23.40	.....
1783	4	Yes...	.....	240.41	238.70	479.11	130.00	150.00	190.00	470.00	9.11	.....
1784	6	No...	60.00	324.96	191.00	575.96	275.00	.....	210.00	485.00	90.96	.....
1785	4	No...	100.00	262.30	227.10	589.40	275.00	240.00	.....	515.00	74.40	.....
1786	3	Yes...	.....	279.00	235.80	564.80	20.00	400.00	60.00	480.00	84.80	.....
1787	6	No...	60.00	250.60	136.90	447.50	300.00	.....	.....	300.00	147.50	.....



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
1788	6	No...	\$60.00	\$290.10	\$139.50	\$489.60	\$260.00			\$260.00		\$229.60
1789	6	No...	120.00	248.00	200.20	568.20	420.00	\$60.00		480.00		88.20
1790	6	No...	96.00	340.10	344.40	780.50	240.00	370.00	\$192.00	802.00	\$21.50	
1791	9	No...	103.00	292.52	200.50	601.02	334.26	256.00		590.26		10.76
1792	2	No...	60.00	105.11	73.20	244.31	250.00			250.00	5.69	
1793	3	No...	72.00	213.80	118.30	404.10	300.00			300.00		104.10
1794	5	No...	60.00	265.70	271.20	596.90	600.00			600.00	3.10	
1795	4	Yes...		283.55	256.00	539.55	530.00		180.00	730.00	190.45	
1796	3	No...	96.00	204.75	144.00	444.75	324.70		120.00	444.70		.05
1797	3	Yes...		176.82	167.70	344.52	356.00		88.00	444.00	99.48	
1798	6	No...	60.00	253.24	178.40	491.64	304.00	120.00		424.00		67.64
1799	5	No...	72.00	305.30	272.40	649.70	250.00	395.00		645.00		4.70
1800	7	No...	96.00	533.25	345.80	975.05	360.00	615.00		975.00		.05
1801	4	No...	48.00	234.00	168.80	450.80	175.00	245.00		420.00		30.80
1802	3	No...	66.00	259.45	159.40	484.85	300.00		25.00	325.00		159.85
1803	6	No...	96.00	339.25	238.80	674.05	346.34	320.00		666.34		7.71
1804	2	No...	96.00	198.00	85.00	379.00	390.00			390.00	11.00	
1805	5	No...	96.00	250.06	192.30	538.36	456.60			456.60		81.76
1806	6	No...	120.00	229.30	370.20	719.50	220.00	420.00		640.00		79.50
1807	2	No...	60.00	154.40	142.40	356.80	250.00	132.00		382.00	25.20	
1808	5	No...	78.00	321.60	169.40	569.00	460.00			460.00		109.00
1809	10	No...	96.00	373.60	283.40	753.00	337.24	111.00	140.00	588.24		164.76
1810	6	Yes...		311.90	202.45	514.35	410.50		44.00	454.50		59.85
1811	6	No...	54.00	267.30	195.80	517.10	300.00	100.00	30.00	430.00		87.10
1812	6	No...	72.00	165.75	102.20	339.95	270.00		120.00	390.00	50.05	
1813	7	No...	48.00	143.00	72.00	263.00	230.00		50.00	280.00	17.00	
1814	6	No...	66.00	163.80	104.50	334.30	200.00	150.00		350.00	10.70	
1815	2	No...	96.00	147.49	525.10	768.59	780.00			780.00	11.41	
1816	8	Yes...		352.65	574.65	927.30	838.00	675.00		1,513.00	585.70	
1817	5	No...	88.00	197.57	223.70	509.27	900.00			900.00	390.73	
1818	2	Yes...		209.48	343.95	553.43	1,575.00			1,575.00	1,021.57	
1819	2	No...	84.00	140.97	117.25	342.22	390.00		9.00	399.00	56.78	
1820	8	Yes...		349.77	644.85	994.62	1,092.00			1,092.00	97.38	
1821	7	Yes...		402.89	568.95	971.84	546.00	420.00		966.00		5.84
1822	3	Yes...		219.81	151.20	371.01	405.60		29.50	435.10	64.09	
1823	4	Yes...		251.50	479.50	731.00	1,650.00			1,650.00	919.00	
1824	6	Yes...		163.00	345.50	508.50	480.00			480.00		28.50
1825	7	Yes...		319.50	473.50	793.00	2,050.00		100.00	2,150.00	1,357.00	
1826	4	Yes...		232.50	241.50	474.00	1,440.00		75.00	1,515.00	1,041.00	
1827	4	Yes...		180.00	322.00	502.00	1,120.00			1,120.00	618.00	
1828	4	Yes...		197.00	341.00	538.00	1,400.00		150.00	1,550.00	1,012.00	
1829	5	Yes...		170.00	317.50	487.50	850.00		150.00	1,000.00	512.50	
1830	4	Yes...		200.80	568.00	768.80	1,940.00		75.00	2,015.00	1,246.20	
1831	4	No...	70.00	148.00	139.00	357.00	390.00			390.00	33.00	
1832	5	Yes...		180.00	128.00	308.00	550.00			550.00	242.00	
1833	5	Yes...		204.75	229.50	434.25	1,800.00			1,800.00	1,365.75	
1834	4	No...	65.00	219.95	130.50	415.45	431.00			431.00	15.55	
1835	4	No...	50.00	241.78	121.50	413.28	506.00			506.00	92.72	
1836	7	No...	90.00	332.97	201.25	624.22	863.50			863.50	239.28	
1837	5	No...	65.00	264.09	123.50	452.59	540.00			540.00	87.41	
1838	4	No...	66.00	218.70	126.00	410.70	442.50			442.50	31.80	
1839	5	No...	75.00	254.68	178.00	507.68	515.50			515.50	7.82	
1840	6	No...	62.50	226.14	167.50	456.14	507.50			507.50	51.36	
1841	6	No...	96.00	359.73	223.00	678.73	967.00			967.00	288.27	
1842	4	No...	60.00	207.21	113.50	380.71	421.00			421.00	40.29	
1843	4	No...	72.00	222.00	132.00	426.00	510.50			510.50	84.50	
1844	4	No...	50.00	208.14	109.20	367.34	414.15			414.15	46.81	
1845	2	No...	75.00	203.13	122.50	400.63	512.20			512.20	111.57	
1846	4	No...	70.00	215.27	137.00	422.27	509.00			509.00	86.73	
1847	4	No...	96.00	217.25	320.63	633.88	695.00		260.00	955.00	321.12	
1848	4	No...	72.00	153.05	205.50	430.55	710.00			710.00	279.45	
1849	7	No...	90.00	330.28	171.10	591.38	753.50			753.50	156.12	
1850	5	No...	72.00	215.17	227.50	514.67	521.00			521.00	6.33	
1851	7	No...	72.00	282.50	184.50	539.00	463.50			463.50		75.50
1852	6	No...	70.00	274.65	164.50	509.15	442.50			442.50		66.65
1853	4	No...	60.00	212.64	164.00	436.64	430.00			430.00		6.64
1854	4	No...	60.00	218.53	160.75	445.28	483.00			483.00		37.72
1855	3	No...	50.00	219.90	141.00	410.90	432.50			432.50	21.60	
1856	3	No...	60.00	237.72	203.50	501.22	563.80			563.80	62.58	
1857	4	No...	90.00	216.68	163.00	474.68	440.00			440.00		34.68
1858	7	No...	96.00	302.48	261.00	659.48	855.90			855.90	206.42	
1859	5	No...	75.00	214.52	158.50	448.02	432.50			432.50		15.52
1860	3	No...	50.00	203.65	96.50	350.15	430.00			430.00	79.85	
1861	2	No...	55.00	203.19	116.00	374.19	428.00			428.00	48.81	
1862	8	No...	72.00	228.76	138.50	439.26	523.50			523.50	84.24	

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
1863	3	No...	\$60.00	\$228.93	\$147.00	\$435.93	\$438.50	.....	.....	\$438.50	\$2.57	.....
1864	2	No...	50.00	201.73	134.00	385.73	416.00	.....	.....	416.00	30.87	.....
1865	5	No...	90.00	247.26	233.50	570.76	750.00	.....	.....	750.00	179.24	.....
1866	4	No...	60.00	227.43	121.75	409.18	442.50	.....	.....	442.50	33.32	.....
1867	4	No...	80.00	223.18	133.00	436.18	509.10	.....	.....	509.10	72.92	.....
1868	5	No...	70.00	240.76	176.60	487.36	450.00	.....	.....	450.00	.....	\$37.36
1869	8	No...	112.00	276.63	210.00	598.63	512.00	.....	.....	512.00	.....	86.63
1870	2	No...	55.00	186.10	128.00	369.10	428.60	.....	.....	428.60	59.50	.....
1871	2	No...	48.00	125.49	230.50	403.99	479.88	.....	.....	479.88	75.89	.....
1872	5	No...	96.00	175.87	254.50	526.37	723.92	.....	.....	723.92	197.55	.....
1873	3	No...	84.00	199.23	306.50	589.73	621.00	.....	.....	621.00	31.27	.....
1874	2	No...	96.00	152.41	242.54	490.95	603.72	.....	.....	603.72	112.77	.....
1875	9	No...	126.00	373.37	255.60	754.97	435.00	.....	\$384.00	819.00	61.03	.....
1876	5	No...	144.00	278.22	621.05	1,043.27	000.00	.....	25.00	925.00	.....	118.27
1877	3	No...	122.00	234.00	325.15	681.15	213.20	.....	192.00	1,405.20	724.05	.....
1878	4	No...	108.00	200.43	406.25	714.68	710.16	.....	.....	710.16	.....	4.52
1879	3	No...	72.00	154.90	96.20	323.10	384.00	.....	.....	384.00	60.90	.....
1880	5	No...	48.00	197.09	118.70	363.88	369.80	.....	.....	369.80	5.92	.....
1881	4	No...	84.00	186.28	79.50	349.78	643.18	.....	.....	643.18	293.40	.....
1882	2	No...	96.00	202.24	114.45	412.69	626.12	.....	.....	626.12	213.43	.....
1883	6	No...	120.00	259.85	452.11	831.96	528.00	.....	192.00	720.30	.....	111.96
1884	9	No...	156.00	322.73	381.92	860.65	414.80	\$423.00	.....	847.80	.....	12.85
1885	8	No...	120.00	250.60	223.00	594.20	395.00	50.00	.....	445.00	.....	149.20
1886	4	No...	156.00	147.17	244.52	547.69	498.75	.....	.....	498.75	.....	48.94
1887	2	No...	72.00	161.53	257.30	490.83	601.66	.....	.....	601.66	110.83	.....
1888	4	No...	96.00	182.26	180.84	460.10	394.80	.....	.....	394.80	.....	71.30
1889	6	Yes...	.....	259.01	446.00	744.01	1,000.00	.....	419.00	1,419.00	674.99	.....
1890	3	No...	84.00	198.30	159.34	402.64	400.00	.....	.....	400.00	.....	2.64
1891	6	No...	120.00	208.58	325.56	654.14	1,500.00	.....	.....	1,500.00	845.86	.....
1892	5	No...	126.00	257.61	171.88	555.49	416.00	.....	192.00	608.00	52.51	.....
1893	8	No...	178.00	251.60	466.00	895.60	1,050.00	.....	.....	1,050.00	154.40	.....
1894	2	No...	72.00	149.70	207.50	429.20	575.00	.....	.....	575.00	145.80	.....
1895	5	No...	126.00	401.11	935.72	862.83	1,000.00	574.00	.....	1,574.00	711.17	.....
1896	4	No...	10.28	151.13	153.84	315.25	335.86	.....	.....	335.86	20.61	.....
1897	8	No...	10.28	142.75	184.88	337.01	305.95	.....	.....	305.95	.....	31.96
1898	5	No...	10.28	82.59	144.25	237.12	228.16	.....	.....	228.16	.....	8.96
1899	4	No...	7.14	116.45	119.13	242.72	276.29	.....	.....	276.29	33.57	.....
1900	5	No...	13.71	194.74	200.19	408.64	455.80	.....	.....	455.80	47.16	.....
1901	3	No...	10.13	105.13	134.20	249.46	257.33	.....	.....	257.33	7.87	.....
1902	2	No...	5.71	98.93	74.02	178.66	146.61	.....	23.80	170.41	.....	8.25
1903	3	No...	5.71	145.65	60.11	211.47	114.24	62.13	.....	176.37	.....	35.10
1904	5	No...	3.57	77.09	48.37	129.03	114.24	22.85	.....	137.09	8.06	.....
1905	9	No...	14.28	135.10	91.71	244.09	190.48	.....	.....	190.48	.....	53.61
1906	3	No...	7.62	93.29	134.52	235.43	212.40	.....	.....	212.40	.....	23.03
1907	0	No...	10.28	237.56	111.67	359.51	311.09	48.55	.....	359.64	.....	.....
1908	3	No...	6.85	115.54	152.55	274.94	273.51	.....	.....	273.51	.....	1.43
1909	3	No...	6.76	88.96	136.12	231.84	225.11	.....	.....	225.11	.....	6.73
1910	6	No...	7.62	133.27	104.52	245.41	174.29	69.02	.....	243.31	.....	2.10
1911	5	No...	9.99	159.27	138.30	307.56	336.40	.....	.....	336.40	28.84	.....
1912	8	No...	10.18	194.71	119.78	324.67	198.26	109.24	11.90	319.40	.....	5.27
1913	5	No...	10.28	164.73	113.85	288.86	202.01	.....	85.68	287.69	.....	1.17
1914	7	No...	10.28	189.12	153.48	352.88	367.16	.....	.....	367.16	14.28	.....
1915	6	No...	8.57	105.96	103.19	217.72	214.66	.....	.....	214.66	.....	3.06
1916	7	No...	8.57	112.15	93.83	214.55	214.55	.....	.....	214.55	.....	.....
1917	4	No...	14.28	98.13	88.97	201.38	201.30	.....	.....	201.30	.....	.....
1918	4	No...	8.57	132.37	103.03	243.97	247.27	.....	.....	247.27	3.30	.....
1919	3	No...	6.85	115.13	117.04	239.02	246.50	.....	.....	246.50	7.48	.....
1920	4	No...	6.85	103.09	92.34	202.28	202.49	.....	.....	202.49	.....	.....
1921	2	No...	10.28	72.83	86.41	169.52	172.14	.....	.....	172.14	2.62	.....
1922	5	No...	14.28	106.16	72.07	192.51	192.99	.....	.....	192.99	.....	.....
1923	5	No...	10.28	109.46	141.05	260.79	269.43	.....	.....	269.43	8.64	.....
1924	2	No...	7.14	103.11	110.72	220.97	251.81	.....	.....	251.81	30.84	.....
1925	4	No...	7.14	78.37	72.46	157.97	150.52	.....	.....	150.52	.....	7.45
1926	6	No...	5.71	98.51	78.62	183.04	182.40	.....	.....	182.40	.....	6.64
1927	6	No...	14.28	152.82	142.99	310.09	265.37	.....	.....	265.37	.....	44.72
1928	5	No...	17.14	145.16	112.41	274.71	184.85	.....	14.28	199.13	.....	75.58
1929	7	No...	17.13	185.87	105.92	308.92	111.86	185.73	.....	247.59	.....	11.33
1930	4	No...	11.42	145.18	97.24	253.84	287.93	.....	.....	287.93	34.14	.....
1931	8	No...	146.00	418.77	644.83	1,209.60	1,459.95	.....	.....	1,459.95	250.35	.....
1932	4	Yes...	.....	258.41	575.71	834.12	1,021.97	.....	.....	1,021.97	187.85	.....
1933	5	No...	97.33	204.66	299.30	661.29	729.98	.....	.....	729.98	68.69	.....
1934	6	Yes...	.....	349.16	577.89	927.05	1,459.95	.....	.....	1,459.95	532.90	.....
1935	8	No...	77.80	243.82	186.38	508.06	486.65	43.80	.....	530.45	22.39	.....
1936	5	No...	36.50	190.29	114.37	341.16	389.32	.....	.....	389.32	48.16	.....



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
1937	4	No...	\$48.67	\$135.96	\$107.37	\$292.00	\$292.00			\$292.00		
1938	8	Yes...		219.80	175.37	395.17	340.66	\$54.51		395.17		
1939	8	Yes...		235.55	194.41	529.96	364.99	218.99		583.98	\$54.02	
1940	7	No...	63.26	158.49	143.24	364.99	364.99			364.99		
1941	6	No...	87.60	295.44	201.03	674.07	729.98			729.98	55.91	
1942	8	No...	97.33	366.04	365.01	828.38	729.98	146.00		875.98	47.60	
1943	8	No...	48.67	198.06	171.79	418.52	340.66		\$77.86	418.52		
1944	3	No...	48.67	202.62	183.49	434.78	486.65			486.65	51.87	
1945	2	No...	63.26	136.80	112.43	312.49	340.66			340.66	28.17	
1946	5	No...	97.33	265.15	226.80	589.28	729.98			729.98	140.70	
1947	5	Yes...		204.82	147.21	352.03	364.99			364.99	12.96	
1948	7	No...	68.13	237.98	122.14	428.25	330.92	97.33		428.25		
1949	7	No...	58.40	141.60	118.76	318.76	318.76			318.76		
1950	5	No...	75.92	157.67	134.58	368.15	379.59		24.33	403.92	35.77	
1951	9	No...	63.13	184.57	154.16	410.86	389.32			389.32		\$21.54
1952	4	No...	63.26	200.99	125.07	389.32	389.32			389.32		
1953	3	No...	48.67	244.73	261.09	554.49	486.65	291.99		778.64	224.15	
1954	4	No...	30.50	205.65	241.65	477.80	326.06	180.06		506.12	28.32	
1955	2	No...	21.42	177.15	130.47	329.04	306.59			306.59		22.45
1956	2	No...	35.12	92.09	73.04	200.25	164.48		35.77	200.25		
1957	6	No...	28.38	165.59	100.95	294.92	215.10	79.82		294.92		
1958	6	No...	37.88	135.40	93.40	266.68	227.75	38.93		266.68		
1959	4	No...	36.83	133.69	92.27	262.79	262.79			262.79		
1960	3	No...	32.61	115.14	66.38	214.13	214.13			214.13		
1961	4	No...	32.61	159.81	133.64	326.06	277.39	48.67		326.06		
1962	8	No...	41.04	282.53	150.91	474.48	379.59	94.89		474.48		
1963	6	No...	35.77	101.98	115.31	253.06	253.06			253.06		
1964	7	No...	25.63	335.46	291.02	652.11	257.92	394.19		652.11		
1965	3	No...	30.90	139.18	194.91	364.99	364.99			364.99		
1966	3	No...	34.07	164.41	147.27	345.75	364.99			364.99	19.24	
1967	4	No...	29.44	141.83	120.72	201.99	291.99			291.99		
1968	7	No...	28.28	168.10	168.51	364.99	364.99			364.99		
1969	4	No...	46.72	108.88	97.46	253.06	253.06			253.06		
1970	7	No...	30.00	203.86	201.15	435.91	240.41	189.79	9.73	439.93	4.02	
1971	2	Yes...		151.83	266.09	417.92	467.18			467.18	49.26	
1972	5	No...	35.04	157.76	83.28	276.08	283.05	25.30		308.35	32.27	
1973	10	No...	27.41	270.78	116.15	414.34	317.01	97.33		414.34		
1974	7	No...	40.55	360.43	176.23	577.21	425.40	277.39		702.79	125.58	
1975	8	No...	21.09	194.08	85.72	300.89	307.95			307.05	7.06	
1976	2	No...	40.06	133.00	79.62	252.77	262.16			262.16	9.39	
1977	5	No...	97.33	294.32	403.47	795.12	729.98	243.33		973.31	178.19	
1978	4	No...	58.40	197.64	133.28	389.32	267.66	97.33	24.33	389.32		
1979	2	No...	24.17	139.40	147.89	311.46	311.46			311.46		
1980	2	No...	27.33	123.61	109.71	260.65	253.06		77.86	330.92	70.27	
1981	5	No...	34.72	191.21	163.41	389.34	340.66		48.68	389.34		
1982	7	No...	34.07	199.41	148.05	381.53	364.99			364.99	16.54	
1983	7	No...	48.67	277.20	406.33	732.20	291.90	447.72		739.71	7.51	
1984	5	No...	38.93	218.72	107.84	364.99	340.66		24.33	340.99		
1985	7	No...	48.67	291.21	161.72	501.60	389.32	141.13		530.45	28.85	
1986	4	No...	43.80	407.64	150.85	611.29	486.65	170.33		656.98	45.69	
1987	8	No...	38.93	266.95	289.68	585.44	583.98			583.98	1.46	
1988	5	No...	31.63	248.10	231.16	510.98	510.98			510.98		
1989	5	No...	38.93	231.48	118.91	389.32	243.33	145.99		389.32		
1990	8	No...	43.80	405.11	205.16	744.07	827.31			827.31	83.24	
1991	4	No...	43.80	200.62	216.42	460.84	462.32		34.07	496.39	35.55	
1992	5	No...	43.80	295.64	293.20	632.64	632.64			632.64		
1993	7	No...	43.80	311.28	204.87	559.45	389.32	248.19		637.51	78.06	
1994	8	No...	77.86	554.86	404.15	1,082.87	330.92	1,046.20		1,377.21	204.34	
1995	5	No...	43.80	208.43	170.33	422.50	462.32		38.93	501.25	78.69	
1996	6	No...	58.40	317.00	196.62	572.02	778.64		43.80	822.44	250.42	
1997	6	No...	43.80	399.37	155.40	598.57	559.64		38.93	598.57		
1998	7	No...	97.33	475.26	470.50	1,043.09	900.30	194.66	121.66	1,216.62	173.53	
1999	7	No...	43.80	418.14	206.50	668.44	802.87			802.07	134.53	
2000	7	No...	43.80	282.78	191.90	518.48	583.98			583.98	65.50	
2001	4	No...	34.07	262.79	189.79	486.65	364.99	121.66		486.65		
2002	6	No...	38.93	215.09	140.17	394.19	364.99		29.20	394.19		
2003	7	No...	53.53	319.42	162.37	535.32	535.32			535.32		
2004	6	No...	43.80	340.17	197.09	581.06	559.65		73.00	632.65	51.59	
2005	7	No...	68.13	429.41	457.33	954.87	948.97	136.27	58.40	1,143.64	188.77	
2006	8	No...	38.93	461.18	313.90	814.01	656.98	126.53		783.51		30.50
2007	7	No...	53.53	262.78	182.98	499.29	462.32		102.20	564.52	65.23	
2008	9	No...	87.60	431.41	632.64	1,151.65	656.98	637.51	73.00	1,367.49	215.84	
2009	8	No...	34.07	358.33	162.69	555.09	360.12	175.20	53.53	568.85	33.76	
2010	8	Yes...		377.89	274.95	652.84	608.31		97.33	705.64	52.80	
2011	7	No...	38.93	303.56	187.03	529.52	389.32	126.53	38.93	554.78	25.26	



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total	Hus- band.	Wife and child- ren.	All other sources.	Total		
2012	6	No...	\$63.26	\$268.37	\$583.33	\$914.96	\$851.64	\$107.06		\$958.70	\$43.74	
2013	9	No...	43.80	319.20	334.07	697.07	705.64		\$43.80	749.44	52.37	
2014	9	No...	43.80	370.08	296.87	710.75	369.85	311.46	53.53	734.84	24.09	
2015	8	No...	43.80	316.77	328.50	689.07	681.31	97.33		778.64	89.57	
2016	8	No...	68.13	435.06	304.65	807.84	389.32	418.52		807.84		
2017	2	No...	31.63	233.36	114.60	379.59	379.59			379.59		
2018	5	No...	55.96	375.70	308.05	739.71	729.98			729.98		\$9.73
2019	2	No...	38.93	292.91	85.41	417.25	389.32			389.32		27.93
2020	7	No...	48.67	387.69	287.13	723.45	778.64	73.00		851.64	128.15	
2021	2	No...	58.40	317.52	203.15	579.07	729.98			729.98	150.91	
2022	5	No...	48.67	204.88	206.84	460.39	462.32		34.07	496.39	36.00	
2023	6	No...	48.67	295.46	244.05	583.18	583.93			583.93		4.20
2024	4	No...	68.13	493.61	252.81	814.55	729.98	291.99		1,021.97	207.42	
2025	2	No...	26.76	191.02	49.88	267.66	267.66			267.66		
2026	5	No...	38.93	321.67	126.05	486.65	486.65			486.65		
2027	6	No...	38.93	377.02	162.55	578.50	486.65	121.66		608.31	29.81	
2028	5	No...	68.13	474.74	200.50	743.37	778.64			778.64	35.27	
2029	9	No...	48.67	516.81	413.64	979.12	729.98	330.93	58.40	1,119.31	140.19	
2030	5	No...	26.76	369.85	114.38	510.99	492.32		48.67	510.99		
2031	7	No...	58.40	438.69	265.95	763.04	851.64	160.59		1,012.23	249.19	
2032	6	No...	48.67	467.17	400.27	916.11	924.64	321.20	48.67	1,294.51	378.40	
2033	10	No...	77.86	501.58	452.78	1,032.22	705.64	467.19		1,172.83	140.61	
2034	5	No...	58.40	463.82	330.92	853.14	973.30	233.59		1,206.89	353.75	
2035	6	No...	46.23	312.61	148.20	507.04	486.65	121.66		608.31	101.27	
2036	3	No...	41.36	232.52	88.21	362.09	364.99			364.99	2.90	
2037	2	No...	72.99	181.10	114.35	268.44	340.66		97.33	437.99	69.55	74.86
2038	3	No...	34.07	298.72	253.05	585.84	486.65		24.33	510.98		
2039	4	No...	48.67	310.95	236.02	595.64	486.65	189.79	53.53	729.97	134.33	
2040	3	No...	38.93	359.99	257.92	656.84	866.24			866.24	209.40	
2041	2	No...	48.67	239.20	158.16	446.03	486.65			486.65	40.62	
2042	3	No...	34.07	177.13	56.46	267.66	267.66			267.66		
2043	3	No...	43.80	368.63	171.55	583.98	583.98			583.98		
2044	2	No...	72.99	334.20	366.21	773.40	973.30			973.30	199.90	
2045	2	No...	31.63	277.15	80.54	389.32	389.32			389.32		
2046	3	No...	29.20	217.53	93.93	340.66	340.66			340.66		
2047	4	No...	38.93	281.04	123.60	443.57	437.98		48.67	486.65	43.08	
2048	5	No...	29.20	202.75	85.41	317.36	243.33		48.66	291.99		25.37
2049	4	No...	72.99	315.06	433.10	821.15	729.98	267.65	24.33	1,021.96	200.81	
2050	3	No...	48.67	294.65	201.98	545.30	583.98			583.98	38.68	
2051	6	No...	38.93	251.12	89.54	379.59	379.59			379.59		
2052	6	No...	48.67	418.92	183.72	681.31	583.98	97.33		681.31		
2053	6	No...	34.07	289.23	287.11	610.41	632.64			632.64	22.23	
2054	5	No...	38.93	240.17	110.22	389.32	291.99		97.33	389.32		
2055	5	No...	77.86	445.74	247.21	770.81	729.98	218.99		948.97	178.16	
2056	5	No...	55.96	353.17	141.37	550.50	583.98			583.98	33.48	
2057	6	No...	51.10	439.33	223.84	714.27	729.98	121.66		851.64	137.37	
2058	5	No...	38.93	316.80	203.91	559.64	486.65		72.99	559.64		
2059	7	No...	58.40	441.20	279.16	778.76	948.97			948.97	170.21	
2060	7	No...	58.40	405.39	205.27	669.06	486.65	184.93		671.58	2.52	
2061	7	No...	72.99	495.31	453.67	1,021.97	827.31	194.66		1,021.97		
2062	8	No...	58.40	375.03	194.33	627.76	360.12	267.64		627.76		
2063	5	No...	68.13	478.96	235.60	782.75	1,021.97	175.19		1,107.16	414.41	
2064	7	No...	48.67	498.85	272.70	820.22	924.64			924.64	104.42	
2065	6	No...	53.53	374.62	243.51	671.66	802.97		38.93	841.90	170.24	
2066	8	No...	48.67	501.20	213.78	763.65	608.31	243.33	38.93	890.57	126.92	
2067	5	No...	38.93	250.10	143.55	432.58	355.25		97.33	452.58	20.00	
2068	7	No...	31.63	297.17	123.79	452.59	379.59	43.80	29.20	452.59		
2069	5	No...	87.60	431.52	397.67	916.79	973.30	218.99		1,192.29	275.50	
2070	8	No...	20.44	250.91	114.91	385.86	332.11	87.60		419.71	33.85	
2071	4	No...	194.66	227.07	210.00	631.73	364.99	486.05		851.64	219.91	
2072	7	No...	63.26	238.85	115.43	417.54	354.28	63.26		417.54		
2073	6	No...	34.07	230.05	141.12	405.24	364.99	97.33		462.32	57.08	
2074	6	No...	27.74	169.49	196.24	393.47	301.72	75.90	24.33	401.95	8.48	
2075	3	No...	35.12	184.66	179.09	398.87	321.19	82.73		403.92	5.05	
2076	4	No...	37.23	155.64	157.52	350.39	350.39			350.39		
2077	2	No...	25.63	138.54	147.29	311.46	253.06		58.40	311.46		
2078	2	No...	34.07	159.39	229.93	423.39	423.39			423.39		
2079	2	Yes...		135.23	299.27	434.50	457.45			457.45	22.95	
2080	4	No...	30.50	158.98	156.05	345.53	243.93	102.20		345.53		
2081	9	Yes...		419.83	552.78	972.61	821.19	618.05	227.75	1,166.99	194.38	
2082	3	No...	24.33	139.18	143.08	306.59	306.59			306.59		
2083	5	No...	35.12	248.23	259.26	542.61	301.72	240.89		542.61		
2084	8	No...	35.12	192.17	185.31	412.60	340.66	92.46		435.12	20.52	
2085	4	No...	53.53	193.84	163.82	321.19	291.99		29.20	321.19		
2086	4	No...	27.24	206.90	150.05	384.19	189.79	221.41	9.73	420.93	33.74	

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Concluded.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
2087	5	No...	\$47.77	\$162.99	\$154.23	\$364.99	\$364.99	.....	.....	\$364.99	.....	.....
2088	2	No...	30.90	165.38	134.64	330.92	330.92	.....	.....	330.92	.....	.....
2089	4	No...	36.18	132.86	130.23	299.27	257.92	.....	.....	257.92	.....	\$41.35
2090	3	No...	30.90	130.54	113.38	279.82	279.82	.....	.....	279.82	.....	.....
2091	8	No...	33.74	255.86	152.65	442.25	365.98	\$136.27	.....	442.25	.....	.....
2092	3	No...	21.09	179.99	108.59	309.67	287.44	121.66	.....	409.10	\$99.43	.....
2093	3	No...	27.41	257.41	167.07	451.89	355.82	209.26	.....	565.08	113.19	.....
2094	5	No...	40.06	228.13	137.29	405.48	335.83	126.53	.....	462.36	56.88	.....
2095	4	Yes..	.....	219.33	112.26	331.59	386.78	82.73	.....	469.51	137.92	.....
2096	2	No...	36.50	105.30	198.86	340.66	340.66	.....	.....	340.66	.....	.....

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS.

[No inference can be drawn from lack of fulness in some of these notes as uniformity of statement was found to be impracticable and was not insisted upon.]

1713. In debt; company house, badly furnished; children nearly nude.
1714. In debt; company house; board, not plastered; in very bad condition; water standing under house.
1715. Surplus on hand; house comfortably furnished; partly carpeted; sewing machine.
1716. Surplus on hand; house fairly furnished; no carpets.
1717. Surplus invested in building association; house comfortably furnished; all rooms carpeted; sewing machine.
1718. Surplus in savings bank; house comfortably furnished and carpeted; piano and sewing machine.
1719. Surplus in savings bank; house comfortably furnished; all rooms carpeted; sewing machine.
1720. Surplus invested in building association; house comfortably furnished; all rooms carpeted; sewing machine.
1721. Surplus used to pay old debts; house comfortably furnished; all rooms carpeted; sewing machine.
1722. Surplus on hand; house neatly furnished and carpeted.
1723. Surplus on hand.
1724. Surplus on hand.
1725. Surplus on hand.
1726. Surplus on hand.
1727. Surplus on hand.
1728. In debt; dingy frame house.
1729. Surplus; put it in Swedish building loan association.
1730. In debt; house comfortably furnished; carpets on parlor and one bedroom; chickens.
1731. In debt; bare floors; no books; wife cannot read; husband never does.
1732. Surplus on hand.
1733. Surplus invested in building association; house comfortably furnished and carpeted; sewing machine; pays cash for everything.
1734. Surplus on hand; house comfortably furnished; parlor only carpeted; sewing machine.
1735. In debt; house very poorly furnished; no carpets; lost much time the past year.
1736. In debt; house not well furnished; only one carpet; sewing machine; husband drinks.
1737. In debt; house poorly furnished; no carpets; sewing machine.
1738. Surplus on hand; house plainly furnished and partly carpeted.
1739. In debt; supports his mother at his home.
1740. In debt.
1741. In debt; house comfortably furnished and carpeted; lost much time; two daughters at work.
1742. Surplus on hand; house comfortably furnished; sewing machine; keep chickens.
1743. In debt; poorly furnished; one room carpeted; steady worker.
1744. Surplus on hand; comfortably furnished and carpeted; sewing machine.
1745. Surplus, some on hand, other used to pay back debt; comfortably furnished and carpeted; sewing machine.
1746. Surplus on hand; comfortably furnished; no carpets.
1747. Surplus on hand.
1748. Surplus used to pay old debts; live in a bad neighborhood; sanitary conditions very bad.
1749. In debt; dark, unpleasant rooms; no pictures or books.
1750. Surplus on hand; house fairly furnished; carpet only in parlor; sewing machine.
1751. Surplus on hand; house only partially furnished; no carpets; sewing machine.
1752. Surplus on hand; own house; very few comforts.
1753. In debt; house comfortably furnished, carpets on all rooms.
1754. Surplus on hand; company house, well carpeted, clean, and in order; no water or other conveniences.
1755. In debt; house well located, dry and healthy; rooms small and plainly furnished.
1756. In debt; house clean and well furnished.
1757. In debt; company house, miserably poor; ordinary furniture; no carpets.
1758. In debt; company house, well furnished; carpets, piano.
1759. Surplus on hand; company house, plainly furnished; carpets; no water in house.
1760. In debt; company house, plainly furnished; carpets.
1761. In debt; house plainly furnished.
1762. Surplus on hand; house comfortably furnished; carpets.
1763. Surplus; company house, plainly furnished; carpets.
1764. In debt; comfortable house, plainly furnished; old carpets.
1765. In debt; tenement house in poor condition.
1766. In debt; tenement house; sanitary condition bad; no drainage; little furniture and clothes.
1767. Surplus on hand; company house, well furnished; all rooms carpeted.
1768. Surplus on hand; company house, comfortably furnished.
1769. Surplus on hand; comfortably situated; good furniture.
1770. Surplus on hand; own two houses; live in one; rents other; \$14.
1771. Surplus on hand; been paying for property for some years; all in good order and neat.
1772. Surplus on hand; live in rooms rent free; house owned by brother; nicely kept and good furniture.
1773. Surplus on hand; own lovely home, comfortably furnished, in good condition.
1774. Surplus on hand; own home, well furnished; two pianos, organ, pictures, and books.
1775. Surplus on hand; occupy rooms on second floor; house in good repair, and clean surroundings.
1776. Surplus on hand; rooms over grocery, in good condition.
1777. In debt; woman owns and runs a saloon left her by her first husband; place dirty.
1778. Surplus on hand; surroundings comfortable; carpets and easy chairs.
1779. In debt; rooms small and plainly furnished; owe back rent and store accounts.
1780. In debt; house comfortably furnished; do not work regularly.
1781. In debt; little furniture; no carpets; trade at company store; behind in account.
1782. Surplus on hand; company house; dirty place; bad sanitary condition; children barefooted and ragged.
1783. In debt; own house; furniture; and carpets in each room.
1784. In debt; house badly built and poorly furnished.



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

1785. In debt; house clean, but plainly furnished.  
 1786. In debt; own house; rent out upper portion; furniture plain; badly kept.  
 1787. In debt; little furniture; bare floors; wife and children dirty.  
 1788. In debt; company house, well lighted and ventilated; carpets in two rooms.  
 1789. In debt; company house, in bad condition; no carpets.  
 1790. Surplus on hand; company house; sanitary condition bad; plainly furnished.  
 1791. In debt; family large and dependent; place said to be damp.  
 1792. Surplus on hand; house dirty and uncomfortable.  
 1793. In debt; house uncomfortable; man injured and not capable of hard work.  
 1794. Surplus on hand; house comfortably furnished; carpets.  
 1795. Surplus on hand; own house, well furnished.  
 1796. In debt; company house; rooms pleasant and comfortable.  
 1797. Surplus on hand; house comfortable.  
 1798. In debt; company house; plainly furnished.  
 1799. In debt; house clean, but plainly furnished; wife works in laundry.  
 1800. In debt; comfortable house, well furnished and clean.  
 1801. In debt; old property; dirty in and outside.  
 1802. In debt; house plainly furnished, but clean.  
 1803. In debt; company house; no conveniences and little furniture.  
 1804. Surplus on hand; house plainly furnished, but clean; no carpets.  
 1805. In debt; company house; place dirty.  
 1806. In debt; company house, poorly furnished.  
 1807. Surplus on hand; house poorly furnished, but clean.  
 1808. In debt; house plainly furnished, but clean; man lost nearly four months' work.  
 1809. In debt; house plainly furnished, dirty house.  
 1810. In debt; own house; place dirty; little furniture.  
 1811. In debt; house poorly furnished.  
 1812. Surplus on hand; place very dirty.  
 1813. Surplus on hand; company house; wretched house, dirty and bare.  
 1814. Surplus on hand; company house, poorly furnished.  
 1815. Surplus on hand.  
 1816. Surplus in bank.  
 1817. Surplus invested in real estate.  
 1818. Surplus in the bank.  
 1819. Surplus in the bank; chickens.  
 1820. Surplus on hand; live in good style.  
 1821. In debt.  
 1822. Surplus in the bank; cows and chickens.  
 1823. Surplus put into farm and stock.  
 1824. In debt; sold a piece of property to pay debts.  
 1825. Surplus invested in real estate and put in bank.  
 1826. Surplus invested in real estate and put in bank.  
 1827. Surplus used to finish paying for house; painted and put roof on house.  
 1828. Surplus put in building and loan association; repaired property.  
 1829. Surplus in bank.  
 1830. Surplus invested in real estate.  
 1831. Surplus on hand.  
 1832. Surplus invested in real estate.  
 1833. Surplus invested in real estate.  
 1834. Surplus on hand; house neat and clean.  
 1835. Surplus used to pay old debts; house neat and clean.  
 1836. Surplus in bank; house well kept.  
 1837. Surplus used to pay old debts; house well kept.  
 1838. Surplus used to pay old debts; house neat and clean; flower garden and chickens.  
 1839. Surplus on hand; house well kept.  
 1840. Surplus on hand; house neat and clean.  
 1841. Surplus on hand; house well kept; organ.  
 1842. Surplus used to pay old debts; house well kept.  
 1843. Surplus used to pay old debts; house neat and clean.  
 1844. Surplus used to pay old debts; house well kept.  
 1845. Surplus used to pay old debts; house well kept.  
 1846. Surplus used to pay old debts; live well.  
 1847. Surplus in bank and invested in building association; house plainly but neatly furnished; sewing machine, organ, and books.  
 1848. Surplus in building and loan association; house well furnished, but not tidy; no evidence of culture.  
 1849. Surplus on hand; home attractive and pleasant; garden; organ and pictures.  
 1850. Surplus on hand; home comfortable; organ.  
 1851. In debt, caused by extraordinary expenses; live comfortably; flower garden; organ.  
 1852. In debt; live comfortably; chickens.  
 1853. In debt; home not comfortable.  
 1854. Surplus used to pay old debts; house very clean; flower garden; organ.  
 1855. Surplus used to pay old debts; house neat and clean.  
 1856. Surplus used to pay old debts; home comfortable.  
 1857. In debt; home comfortable; flower garden.  
 1858. Surplus in bank; home comfortable.  
 1859. In debt; house well kept; live comfortably.  
 1860. Surplus used to pay old debts; home comfortable.  
 1861. Surplus used to pay old debts; home comfortable.  
 1862. Surplus used to pay old debts; home comfortable.  
 1863. Surplus on hand; home comfortable.  
 1864. Surplus used to pay old debts; home comfortable.  
 1865. Surplus on hand; home neat and clean.  
 1866. Surplus used to pay old debts; home well kept.  
 1867. Surplus used to pay old debts; home neat and clean.  
 1868. In debt; home comfortable.

## TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

- 1869. In debt; home comfortable; garden.
- 1870. Surplus used to pay old debts; house neat; live comfortably.
- 1871. Surplus in bank.
- 1872. Surplus in bank.
- 1873. Surplus on hand.
- 1874. Surplus invested.
- 1875. Surplus invested.
- 1876. In debt.
- 1877. Surplus invested.
- 1878. In debt.
- 1879. Surplus on hand.
- 1880. Surplus on hand.
- 1881. Surplus in bank.
- 1882. Surplus on hand.
- 1883. In debt.
- 1884. In debt.
- 1885. In debt; carried on grocer's book.
- 1886. In debt.
- 1887. Surplus in bank.
- 1888. In debt; carried on grocer's book.
- 1889. Surplus invested; laying up money every year; cow.
- 1890. In debt.
- 1891. Surplus invested; laying up money every year.
- 1892. Surplus on hand.
- 1893. Surplus invested; family illiterate; cow.
- 1894. Surplus on hand.
- 1895. Surplus invested.
- 1896. Surplus on hand; rooms comfortable; musical instruments; garden; pigs and chickens.
- 1897. In debt; rooms comfortable; some hooks.
- 1898. In debt; rooms neat and clean.
- 1899. Surplus in savings bank; rooms plainly furnished, but very clean.
- 1900. Surplus in savings bank; rooms clean and neat.
- 1901. Surplus in savings bank; rooms comfortable.
- 1902. In debt; room very clean and neat; some hooks.
- 1903. In debt; rooms clean and neat; garden.
- 1904. Surplus on hand; room comfortable; garden; goat and chickens.
- 1905. In debt; rooms uncomfortable.
- 1906. In debt; rooms well furnished and clean.
- 1907. Surplus on hand; rooms uncomfortable; poultry.
- 1908. In debt; rooms comfortable.
- 1909. In debt; rooms clean and neat.
- 1910. In debt; rooms poorly furnished, but clean; pig and poultry.
- 1911. Surplus on hand; rooms comfortable.
- 1912. In debt; rooms comfortable.
- 1913. In debt; rooms comfortable; keep pig.
- 1914. Surplus on hand; rooms fairly well furnished and clean.
- 1915. In debt; rooms poorly furnished, but clean; garden; goat and poultry.
- 1916. Accounts balance; rooms comfortable; musical instruments; pigs and chickens.
- 1917. In debt; rooms comfortable.
- 1918. Surplus on hand; rooms comfortable.
- 1919. Surplus on hand; rooms comfortable.
- 1920. Surplus on hand; rooms comfortable; pig and poultry.
- 1921. Surplus on hand; rooms clean and neat; chickens.
- 1922. Surplus on hand; rooms very clean; pig and chickens.
- 1923. Surplus on hand; rooms comfortable.
- 1924. Surplus on hand; rooms well furnished and clean; pig.
- 1925. In debt; rooms uncomfortable; poultry.
- 1926. In debt; rooms poorly furnished, but clean.
- 1927. In debt.
- 1928. In debt; small vegetable garden and poultry.
- 1929. In debt; rooms uncomfortable; sewing machine; garden.
- 1930. Surplus in bank; small garden; chickens.
- 1931. Surplus on hand; house handsomely furnished; very expensive family.
- 1932. Surplus on hand; house well furnished.
- 1933. Surplus invested in savings bank; good house, well furnished.
- 1934. Surplus invested in building society; house well furnished; piano and pictures.
- 1935. Surplus on hand; good house, well furnished.
- 1936. Surplus on hand; small house, nicely furnished.
- 1937. Accounts balance; house poorly furnished.
- 1938. Accounts balance; good house, fairly well furnished; nearly paid for through building society.
- 1939. Surplus invested in building society; good house, well furnished.
- 1940. Accounts balance; house fairly well furnished.
- 1941. Surplus on hand; good house, well furnished.
- 1942. Surplus on hand; good house, well furnished.
- 1943. Accounts balance; house fairly well furnished.
- 1944. Surplus invested; good house, well furnished.
- 1945. Surplus invested in building society; good house, well furnished.
- 1946. Surplus invested in savings bank; house well furnished.
- 1947. Surplus on hand; house well furnished.
- 1948. Accounts balance; house fairly well furnished.
- 1949. Accounts balance; good house, well furnished.
- 1950. Surplus on hand; good house, well furnished.
- 1951. In debt; house comfortably furnished.

TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

1952. Accounts balance; good house, fairly well furnished.  
 1953. Surplus on hand; house poorly furnished and kept.  
 1954. Surplus in savings bank; company house, comfortably furnished.  
 1955. In debt; company house, fairly furnished.  
 1956. Accounts balance; company house, clean, but poorly furnished.  
 1957. Accounts balance; company house, neat and clean; good garden.  
 1958. Accounts balance; company house, clean and fairly furnished; good garden.  
 1959. Accounts balance; company house, well furnished; good garden.  
 1960. Accounts balance; company house, well furnished; good garden.  
 1961. Accounts balance; company house, comfortable; good garden.  
 1962. Accounts balance; company house, well furnished; good garden.  
 1963. Accounts balance; company house, tumble down; hardly any furniture; children ragged and dirty.  
 1964. Accounts balance; company house, well furnished; good garden.  
 1965. Accounts balance; company house, well furnished; garden, but do not cultivate.  
 1966. Surplus on hand; company house, comfortably furnished; good garden.  
 1967. Accounts balance; company house, clean, but poorly furnished; good garden.  
 1968. Accounts balance; company house; garden.  
 1969. Accounts balance; company house, comfortable; good garden.  
 1970. Surplus on hand; company house; good garden; pigs.  
 1971. Surplus on hand; own a good house; garden.  
 1972. Surplus on hand; house poorly furnished.  
 1973. Accounts balance; good home, comfortably furnished.  
 1974. Surplus on hand; well furnished house; small garden.  
 1975. Surplus on hand; small house poorly furnished.  
 1976. Surplus on hand; good house, well furnished.  
 1977. Surplus on hand; good house, fairly well furnished.  
 1978. Accounts balance; house fairly well furnished.  
 1979. Accounts balance; company house, well furnished; neat and clean.  
 1980. Surplus in bank; company house; well furnished, good garden; pigs; receives a pension.  
 1981. Accounts balance; company house, poorly furnished; good garden.  
 1982. In debt; live comfortably.  
 1983. Surplus on hand.  
 1984. Accounts balance.  
 1985. Surplus on hand.  
 1986. Surplus on hand.  
 1987. In debt.  
 1988. Accounts balance.  
 1989. Accounts balance.  
 1990. Surplus in bank.  
 1991. Surplus invested in cooperative store.  
 1992. Accounts balance.  
 1993. Surplus on hand.  
 1994. Surplus in bank.  
 1995. Surplus invested in cooperative store; comfortable home; some books.  
 1996. Surplus invested in cooperative store and bank; good home.  
 1997. Accounts balance.  
 1998. Surplus invested in building society; comfortable home; piano; own some real estate.  
 1999. Surplus used to pay old debts.  
 2000. Surplus on hand.  
 2001. Accounts balance; very uncomfortable house.  
 2002. Accounts balance.  
 2003. Accounts balance; good comfortable home.  
 2004. Surplus on hand; small garden; pigs.  
 2005. Surplus invested in cooperative store; comfortable house; organ.  
 2006. In debt.  
 2007. Surplus used to pay off existing debt.  
 2008. Surplus invested in cooperative store; comfortable home.  
 2009. Surplus invested in cooperative store.  
 2010. Surplus invested in cooperative building society; own house, paid for through the building society.  
 2011. Surplus on hand.  
 2012. Surplus on hand; comfortable home; live and dress well.  
 2013. Surplus invested in cooperative store.  
 2014. Surplus invested in cooperative store.  
 2015. Surplus in savings bank.  
 2016. Accounts balance.  
 2017. Accounts balance.  
 2018. In debt.  
 2019. In debt.  
 2020. Surplus in savings bank; comfortable home; piano.  
 2021. Surplus on hand.  
 2022. Surplus invested in cooperative store.  
 2023. In debt.  
 2024. Surplus in savings bank.  
 2025. Accounts balance.  
 2026. Accounts balance.  
 2027. Surplus on hand.  
 2028. Surplus on hand; comfortable houses; small garden.  
 2029. Surplus invested in cooperative store.  
 2030. Accounts balance.  
 2031. Surplus on hand.  
 2032. Surplus invested partly in cooperative store and partly in bank.



TABLE XIX.—STEEL: COST OF LIVING, BY FAMILIES—Concluded.

## G.—REMARKS—Concluded.

2033. Surplus invested in name of and for benefit of children.  
 2034. Surplus invested in bank.  
 2035. Surplus used to pay old debts.  
 2036. Surplus on hand.  
 2037. Surplus invested in goods for furnishing shop which wife keeps.  
 2038. In debt.  
 2039. Surplus invested.  
 2040. Surplus in bank.  
 2041. Surplus on hand.  
 2042. Accounts balance.  
 2043. Accounts balance; industrious, and live well.  
 2044. Surplus in bank; good house, well furnished.  
 2045. Accounts balance.  
 2046. Accounts balance.  
 2047. Surplus on hand.  
 2048. In debt.  
 2049. Surplus invested.  
 2050. Surplus on hand; comfortable, well furnished house.  
 2051. Accounts balance.  
 2052. Accounts balance; live well.  
 2053. Surplus on hand; took whole family to the Highlands on vacation.  
 2054. Accounts balance; a comfortable home; own shares in cooperative store.  
 2055. Surplus in savings bank.  
 2056. Surplus on hand.  
 2057. Surplus on hand.  
 2058. Accounts balance.  
 2059. Surplus on hand; comfortable home; piano.  
 2060. Surplus on hand.  
 2061. Accounts balance.  
 2062. Accounts balance.  
 2063. Surplus on hand.  
 2064. Surplus on hand; eldest child deaf and dumb; was taught tailor trade.  
 2065. Surplus invested in cooperative store and bank.  
 2066. Surplus on hand; comfortable home.  
 2067. Surplus on hand; leader of choir, for which he receives \$90.73.  
 2068. Accounts balance.  
 2069. Surplus on hand; nice flat of five rooms, well furnished.  
 2070. Surplus in bank; small house, well furnished.  
 2071. Surplus invested in building society; house well furnished; wife keeps confectionery store.  
 2072. Accounts balance; house well furnished.  
 2073. Surplus on hand; small house, well furnished.  
 2074. Surplus on hand; company house; good garden; sell vegetables.  
 2075. Surplus on hand; company house; good garden.  
 2076. Accounts balance; company house; good garden.  
 2077. Accounts balance; company house; secretary of two clubs, from which he receives \$58.40 per year.  
 2078. Accounts balance; company house; comfortable.  
 2079. Surplus in bank, where he has a good sum; own house, well furnished.  
 2080. Accounts balance; company house; comfortably furnished; good garden.  
 2081. Surplus in bank; own house, well furnished; two cows; sells milk; good garden; chickens.  
 2082. Accounts balance; company house; good garden.  
 2083. Accounts balance; company house, well furnished; good garden.  
 2084. Surplus on hand; company house, neat and clean; good garden.  
 2085. Accounts balance; good house; garden; conducts singing in meeting, for which he is paid \$29.20 per year.  
 2086. Surplus on hand; company house; good garden.  
 2087. Accounts balance; company house, well furnished; good garden.  
 2088. Accounts balance; company house, poorly furnished; hardly a chair to sit on; garden.  
 2089. In debt; company house, poorly furnished; always in debt.  
 2090. Accounts balance; company house neat and clean; good garden.  
 2091. Accounts balance; small house, crowded, but clean and neat.  
 2092. Surplus in postal savings bank; good house, well furnished.  
 2093. Surplus invested for son's benefit; good house, well furnished.  
 2094. Surplus on hand; good house, well furnished.  
 2095. Surplus invested in building society; own house; live comfortably; nice garden.  
 2096. Accounts balance; house fairly well furnished.

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES.

## A.—DESCRIPTION OF THE FAMILY.

Bnd- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Beard- ers and others.	Total per- sons in fam- ily.	
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2097	Alabama	American.	Head cutter	Home			1			3
2098	do	American.	Head cutter	Home			1			3
2099	do	American.	Miner.	Home		2				4
2100	do	American.	Miner.	Home	1	2		1		6
2101	do	American.	Miner.	Home	1	1	2			6
2102	do	American.	Carpenter	Home		1	1	2		6
2103	do	American.	Foreman, track	Home			2	1		5
2104	do	American.	Mine boss.	Home		1	4			7
2105	do	American.	Carpenter	Home	1		2	2		7
2106	do	American.	Carpenter	Home						2
2107	do	American.	Miner.	Home		2	4			8
2108	do	American.	Head cutter.	Home			1			3
2109	do	American.	Head cntter.	Home	1	2	1	1		7
2110	do	American.	Miner.	Home			1			3
2111	do	American.	Engineer.	Home						2
2112	do	American.	Engineer, loco- motive.	Home			1	1		4
2113	do	American.	Miner.	Home	2	2	2	1		9
2114	do	American.	Machinist	Home						2
2115	do	American.	Miner.	Home		1	2			5
2116	do	American.	Miner.	Home						2
2117	do	American.	Miner.	Home		2		1		5
2118	do	American.	Miner.	Home						2
2119	do	American.	Blacksmith	Home	2	3	2			9
2120	do	American.	Miner	Home	1		1	1	1	6
2121	do	American.	Head cntter.	Home			3	1		6
2122	do	American.	Tippleman	Home			3	1		6
2123	do	American.	Pipelayer	Home		1				3
2124	do	American.	Laborer	Home				1		3
2125	do	American.	Switchman	Home			1			3
2126	do	American.	Miner.	Home		2		1	4	12
2127	do	American.	Driver.	Home			3			2
2128	do	American.	Head cutter.	Home	1			2		5
2129	do	American.	Miner.	Home			3			5
2130	do	American.	Miner.	Home			1			3
2131	do	American.	Head cutter.	Home			2			4
2132	do	American.	Laborer.	Home			2	2		6
2133	do	American.	Pumper.	Home		1	4			7
2134	do	American.	Driver.	Home						2
2135	do	American.	Miner.	Home						2
2136	do	American.	Loader.	Work			4			6
2137	do	American.	Loader.	Home			2		1	5
2138	do	American.	Driver.	Work				2		4
2139	do	American.	Loader.	Work						2
2140	do	English.	Head cutter.	Home		1				3
2141	do	English.	Head cutter.	Home	1	3	3			9
2142	do	English.	Head cutter.	Home		1				3
2143	do	English.	Miner.	Home		1	2			5
2144	do	English.	Machinist	Home			3			5
2145	do	English.	Miner.	Home					2	4
2146	do	French.	Weghman.	Work	1			3		6
2147	do	German.	Head cntter.	Home		1	4			7
2148	do	Irish.	Miner.	Home		2	5		1	8
2149	do	Irish.	Miner.	Home						2
2150	do	Scotch.	Head cutter.	Home	3		4			9
2151	do	Scotch.	Miner.	Home			3			5
2152	do	Scotch.	Miner.	Home	1	3	2			8
2153	do	Scotch.	Engineer	Home			3	1		6
2154	do	Scotch.	Mjner.	Home	2		2	4		10
2155	do	Scotch.	Tippleman.	Home	1	3	2			8
2156	do	Scotch.	Miner.	Home			1			3
2157	Indiana.	American.	Loader.	Home				3		5
2158	do	American.	Miner.	Home	1		1	4		8
2159	do	American.	Miner.	Home			2	1		5
2160	do	American.	Cutter	Home			2			4
2161	do	American.	Miner	Work	2		1	1		6
2162	do	American.	Fireman	Home			2	2		6
2163	do	American.	Miner	Home			2	4		8
2164	do	American.	Driver	Home			1			3
2165	do	American.	Miner	Home			1			3
2166	do	American.	Cutter	Home						2
2167	do	American.	Miner	Home			1			3

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

End- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2168	Indiana....	American.	Cutter.....	Home			3	1		6
2169	do.....	American.	Teamster.....	Home			1	1		4
2170	do.....	American.	Miner.....	Home			1			3
2171	do.....	American.	Miner.....	Home			2			4
2172	do.....	American.	Miner.....	Home			1	1		4
2173	do.....	American.	Miner.....	Home			2			4
2174	do.....	American.	Miner.....	Home	1		1	1		5
2175	do.....	American.	Miner.....	Home	1		1	2		6
2176	do.....	American.	Miner.....	Home	1		3	2		8
2177	do.....	American.	Dumper.....	Home			2	3		7
2178	do.....	American.	Miner.....	Home			2			4
2179	do.....	American.	Tracklayer.....	Home				2		4
2180	do.....	American.	Cutter.....	Home						2
2181	do.....	American.	Driver.....	Home			1			3
2182	do.....	American.	Miner.....	Home						2
2183	do.....	American.	Miner.....	Home				2		4
2184	do.....	American.	Miner.....	Home			1			3
2185	do.....	American.	Miner.....	Home				2		4
2186	do.....	American.	Miner.....	Home						2
2187	do.....	American.	Dumper.....	Home			1	2		5
2188	do.....	American.	Miner.....	Home			1	2		5
2189	do.....	American.	Miner.....	Home						2
2190	do.....	American.	Blacksmith.....	Home			2			4
2191	do.....	American.	Cutters' helper.....	Home			1		1	4
2192	do.....	German.	Miner.....	Home						2
2193	Ohio.....	American.	Miner.....	Home	3	2				7
2194	do.....	American.	Miner.....	Home		1	1		1	5
2195	do.....	American.	Tracklayer.....	Home		2				4
2196	do.....	American.	Miner.....	Home		3	3			8
2197	do.....	American.	Miner.....	Home		3	2			7
2198	do.....	American.	Miner.....	Home			3			5
2199	do.....	American.	Miner.....	Home						2
2200	do.....	American.	Miner.....	Home		3	2			7
2201	do.....	American.	Miner.....	Home		3	2			7
2202	do.....	American.	Miner.....	Home	1	2	2			7
2203	do.....	American.	Water hauler.....	Home		2	2			6
2204	do.....	American.	Miner.....	Home						2
2205	do.....	American.	Blacksmith.....	Home	1	2	1			6
2206	do.....	American.	Miner.....	Home		3	1			6
2207	do.....	American.	Driver.....	Home		2				4
2208	do.....	American.	Driver.....	Home			1			3
2209	do.....	American.	Miner.....	Home			3			5
2210	do.....	American.	Miner.....	Home			1			3
2211	do.....	American.	Miner.....	Home			2			4
2212	do.....	American.	Miner.....	Home						2
2213	do.....	American.	Miner.....	Home		2	2			6
2214	do.....	American.	Miner.....	Home		1	2			5
2215	do.....	American.	Miner.....	Home			2		1	5
2216	do.....	American.	Miner.....	Home		4	3			9
2217	do.....	American.	Miner.....	Home	1	3	2			8
2218	do.....	American.	Miner.....	Home			2			4
2219	do.....	American.	Miner.....	Home			2		2	6
2220	do.....	American.	Driver.....	Home	1	3	1			7
2221	do.....	American.	Miner.....	Home	3	1	1			6
2222	do.....	American.	Miner.....	Home			1			3
2223	do.....	American.	Miner.....	Home			2			4
2224	do.....	American.	Driver.....	Home	1	2	1			6
2225	do.....	American.	Dumper.....	Home		2	1			5
2226	do.....	American.	Miner.....	Home		3	2			7
2227	do.....	American.	Dumper, boss.....	Home	2		2	3		9
2228	do.....	American.	Engineer.....	Home			1			3
2229	do.....	American.	Miner.....	Home	2	2	2		1	9
2230	do.....	American.	Miner.....	Home						2
2231	do.....	American.	Miner.....	Home						2
2232	do.....	American.	Engineer.....	Home	1	5	2			10
2233	do.....	American.	Foreman, bank.....	Home			1	3		6
2234	do.....	American.	Laborer.....	Home	1		3	3		9
2235	do.....	American.	Miner.....	Home					2	4
2236	do.....	Canadian.	Miner.....	Home	1	1	1			5
2237	do.....	English.	Tracklayer.....	Home		1	1			4
2238	do.....	English.	Miner.....	Home			1			3
2239	do.....	English.	Miner.....	Home	1	3	1			7



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget number.	Locality.	Nationality.	Occupation or condition of—					Beard-ers and others.	Total persons in family.
			Husband.	Wife at home or at work.	At work.	At school.	At home.	Unknown.	
2240	Ohio	English	Weighman	Home			2		4
2241	do	English	Dumper	Home		1	2		5
2242	do	English	Miner	Home		1	2		5
2243	do	English	Miner	Home	1	4			7
2244	do	English	Miner	Home				1	3
2245	do	English	Miner	Home	2	2	1		7
2246	do	English	Miner	Home		2	2		6
2247	do	English	Miner	Home		1	1		4
2248	do	English	Miner	Home	1				3
2249	do	English	Miner	Home		2	2	1	7
2250	do	English	Miner	Home	1	1			4
2251	do	English	Miner	Home	2	3	3		10
2252	do	English	Miner	Home	1	3			6
2253	do	English	Miner	Home			3		5
2254	do	English	Miner	Home	1		1	3	7
2255	do	German	Miner	Home	2	3	1		8
2256	do	German	Miner	Home	1	1			4
2257	do	German	Miner	Home			3		5
2258	do	German	Miner	Home	1	1	1	3	8
2259	do	German	Teamster	Home			3		5
2260	do	German	Miner	Home	1			1	4
2261	do	German	Miner	Home	1	2			5
2262	do	Irish	Miner	Home					2
2263	do	Irish	Miner	Home		1	3		6
2264	do	Irish	Miner	Home	2	2	1		7
2265	do	Irish	Miner	Home	1	2	1		6
2266	do	Irish	Miner	Home	1	1	1		5
2267	do	Irish	Engineer	Home			1		3
2268	do	Irish	Miner	Work	2	2	2		8
2269	do	Irish	Miner	Home					2
2270	do	Irish	Pumpman	Home	2	2			6
2271	do	Irish	Miner	Home			2		4
2272	do	Irish	Miner	Home	1	2	3	3	11
2273	do	Irish	Stable boss	Home	1	4	3	1	11
2274	do	Irish	Miner	Home	3	3			8
2275	do	Irish	Miner	Home	2	1			5
2276	do	Irish	Miner	Home		1			3
2277	do	Irish	Miner	Work	6	2	1	2	13
2278	do	Irish	Miner	Home		2			4
2279	do	Irish	Foreman, bank	Home		4			6
2280	do	Irish	Miner	Home	1		1	3	7
2281	do	Irish	Miner	Home			1		3
2282	do	Irish	Miner	Home		4	2		8
2283	do	Irish	Miner	Home			1	1	4
2284	do	Swiss	Miner	Home			2		4
2285	do	Swiss	Miner	Home			3		5
2286	do	Swiss	Miner	Home		2	2		6
2287	do	Welsh	Miner	Home			2		4
2288	do	Welsh	Miner	Home	1	2			5
2289	do	Welsh	Miner	Home	1	2	3		8
2290	do	Welsh	Driver	Home	1	5	2		10
2291	do	Welsh	Miner	Home		1			3
2292	do	Welsh	Miner	Home		1			3
2293	do	Welsh	Miner	Home					2
2294	do	Welsh	Miner	Home	2	1			5
2295	do	Welsh	Miner	Home					2
2296	Pennsylvania	American	Miner	Home	2	2	2		8
2297	do	American	Miner	Home		3	1		6
2298	do	American	Miner	Home	2	2	2		8
2299	do	American	Miner	Home					2
2300	do	American	Miner	Home		2	2		6
2301	do	American	Miner	Home	1	2	3		8
2302	do	American	Miner	Home			4		6
2303	do	American	Miner	Home	1	2			5
2304	do	American	Checkman	Home					2
2305	do	American	Driver	Home		1	1	1	5
2306	do	American	Miner	Home	1	3	3		9
2307	do	American	Miner	Home					2
2308	do	American	Carpenter and weighman.	Home		5	2		9
2309	do	American	Miner	Home	1				3
2310	do	American	Miner	Home		2	2		6

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget number.	Locality.	Nationality.	Occupation or condition of—						Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2311	Pennsylvania.	American.	Driver.....	Home			2			4
2312	do	American.	Miner.....	Home		2				4
2313	do	American.	Miner.....	Home						2
2314	do	American.	Miner.....	Home		3	2			7
2315	do	American.	Carpenter and miner	Home		2	1			5
2316	do	American.	Mine boss.....	Home			2			4
2317	do	American.	Minor.....	Home			1			3
2318	do	American.	Miner.....	Home			2			4
2319	do	American.	Miner.....	Home	2	4	2			10
2320	do	American.	Driver.....	Home		1	2			5
2321	do	American.	Miner.....	Home		2	2			6
2322	do	American.	Checkman.....	Home						2
2323	do	American.	Miner.....	Home		3				5
2324	do	American.	Laborer.....	Home			2			4
2325	do	American.	Miner.....	Home						2
2326	do	American.	Weighman.....	Home			3			5
2327	do	American.	Miner.....	Home			5			7
2328	do	American.	Fireman.....	Home		1	1			4
2329	do	American.	Driver.....	Home						2
2330	do	American.	Mine boss.....	Home	1				2	5
2331	do	American.	Blacksmith.....	Home						2
2332	do	American.	Miner.....	Home			2			4
2333	do	American.	Driver.....	Home		1				3
2334	do	American.	Miner.....	Home		3			1	6
2335	do	American.	Driver.....	Home			2			4
2336	do	American.	Miner.....	Home		1	3			6
2337	do	American.	Blacksmith.....	Home			2			4
2338	do	American.	Miner.....	Home			2			4
2339	do	American.	Dumper.....	Home	1	1	3			7
2340	do	American.	Driver.....	Home			2			4
2341	do	American.	Tracklayer.....	Home			2			4
2342	do	American.	Miner.....	Home			4			6
2343	do	American.	Miner.....	Home			4		1	7
2344	do	American.	Driver.....	Home			1			3
2345	do	American.	Miner.....	Home			4			6
2346	do	American.	Dumper.....	Home			7			9
2347	do	American.	Laborer.....	Home			4			6
2348	do	American.	Carpenter.....	Home					1	3
2349	do	American.	Weighmaster.....	Home						2
2350	do	American.	Miner.....	Home	3		3			8
2351	do	American.	Miner.....	Home			4			6
2352	do	American.	Miner.....	Home	2		2			6
2353	do	American.	Miner.....	Home	4		2			8
2354	do	American.	Miner.....	Home			1			3
2355	do	American.	Miner.....	Home	1	2	3			8
2356	do	American.	Blacksmith.....	Home			1			3
2357	do	American.	Driver.....	Home						2
2358	do	American.	Miner.....	Work			3			5
2359	do	American.	Miner.....	Home	1	4	2		2	11
2360	do	American.	Weighmaster.....	Home			3			5
2361	do	American.	Miner.....	Home			4			6
2362	do	American.	Miner.....	Home	4		2			8
2363	do	American.	Miner.....	Home			2			4
2364	do	American.	Miner.....	Home			3			5
2365	do	American.	Miner.....	Home						2
2366	do	American.	Laborer.....	Home			1			3
2367	do	American.	Miner.....	Home			3			5
2368	do	Austrian.	Miner.....	Home			2			4
2369	do	Belgian.....	Miner.....	Home	1	2	1			6
2370	do	Belgian.....	Miner.....	Home		1	2			5
2371	do	Danish.....	Miner.....	Home		1	3			5
2372	do	Danish.....	Miner.....	Home			2			4
2373	do	Danish.....	Miner.....	Home			2			4
2374	do	English.....	Miner.....	Home	1		5			8
2375	do	English.....	Miner.....	Home	2		6			10
2376	do	English.....	Miner.....	Home			1			3
2377	do	English.....	Tracklayer.....	Home			1			3
2378	do	English.....	Miner.....	Home			4			6
2379	do	English.....	Miner.....	Home	2				1	5
2380	do	English.....	Miner.....	Home	1					3
2381	do	English.....	Driver.....	Home			1			3
2382	do	English.....	Driver.....	Home						2

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2383	Pennsylv'ia.	English.	Miner	Home		1				3
2384	do	English.	Miner	Home			3			5
2385	do	English.	Miner	Home		1	3			6
2386	do	English.	Miner	Home			2			4
2387	do	English.	Miner	Home	1	2	2			7
2388	do	English.	Miner	Home		2	1			5
2389	do	English.	Miner	Home	3		4		1	10
2390	do	English.	Miner	Home	1	1	3			7
2391	do	English.	Miner	Home			1			3
2392	do	English.	Miner	Home			4			6
2393	do	English.	Miner	Home	2		1			5
2394	do	English.	Miner	Home			3			5
2395	do	English.	Miner	Home			1			3
2396	do	English.	Miner	Home			2			4
2397	do	English.	Miner	Home			1			3
2398	do	English.	Miner	Home			1			3
2399	do	English.	Miner	Home	1		2			5
2400	do	English.	Miner	Home	2		1			5
2401	do	English.	Miner	Home			1			3
2402	do	English.	Miner	Home	1		3			6
2403	do	English.	Foreman, track	Home			4			6
2404	do	English.	Miner	Home	2		3			7
2405	do	English.	Miner	Home	2		5			9
2406	do	English.	Miner	Home	1					3
2407	do	English.	Miner	Home			4			6
2408	do	English.	Miner	Home			6			8
2409	do	English.	Miner	Home	2		5			9
2410	do	English.	Miner	Home			2			4
2411	do	English.	Driver	Home			2			4
2412	do	English.	Miner	Home			1			3
2413	do	English.	Miner	Home	2		6		1	11
2414	do	English.	Miner	Home			4			6
2415	do	English.	Miner	Home			2		3	7
2416	do	English.	Policeman	Home			2			4
2417	do	English.	Miner	Home	2		3			7
2418	do	English.	Miner	Home			2			4
2419	do	English.	Miner	Home						2
2420	do	English.	Miner	Home	2		4		1	9
2421	do	English.	Mine boss	Home			5		1	8
2422	do	English.	Slate picker	Home			1			3
2423	do	English.	Miner	Home			3			5
2424	do	English.	Miner	Home	1					3
2425	do	English.	Miner	Home						2
2426	do	English.	Miner	Home		2	1		4	9
2427	do	English.	Miner	Home		2	1			5
2428	do	English.	Miner	Home						2
2429	do	English.	Fire boss	Home	1		1			4
2430	do	English.	Miner	Home		2	1			5
2431	do	English.	Miner	Home						2
2432	do	English.	Miner	Home	2		1			5
2433	do	English.	Miner	Home			3			5
2434	do	English.	Engineer	Home	1	2	4			9
2435	do	French	Miner	Home		1				3
2436	do	French	Miner	Home	2	2	3		1	10
2437	do	French	Miner	Home			2			4
2438	do	French	Miner	Home			1			3
2439	do	French	Miner	Home			2			4
2440	do	French	Miner	Home	3					5
2441	do	French	Miner	Home						2
2442	do	French	Miner	Home	1	2	3			8
2443	do	French	Miner	Home		1				3
2444	do	French	Weighman	Home			4		2	8
2445	do	French	Miner	Home			2			4
2446	do	French	Miner	Home			1			3
2447	do	German	Engineer	Home			4		1	7
2448	do	German	Blacksmith	Home					1	3
2449	do	German	Miner	Home	1		1			4
2450	do	German	Miner	Home	2	3				7
2451	do	German	Laborer	Home			3			5
2452	do	German	Miner	Home			5			7
2453	do	German	Miner	Home						2
2454	do	German	Miner	Home		4	2			8



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—					Board- ers and others.	Total per- sons in fam- ily.	
			Husband.	Wife at home or at work.	Children—					
					At work.	At school.	At home.			Un- known.
2455	Pennsylvania	German	Miner	Home			2		4	
2456	do	German	Miner	Home		1			3	
2457	do	German	Miner	Home	1	4	1		8	
2458	do	German	Driver and laborer	Home			3		5	
2459	do	German	Miner	Home	1	3	3		6	
2460	do	German	Miner	Home			2	1	9	
2461	do	German	Miner	Home					2	
2462	do	German	Miner	Home	1	1	2	1	7	
2463	do	German	Miner	Home	2	2	1		7	
2464	do	German	Miner	Home			2		4	
2465	do	German	Miner	Home					2	
2466	do	German	Miner	Home	2	3	2		9	
2467	do	German	Miner	Home		1	4		7	
2468	do	German	Miner	Home		1	1		4	
2469	do	German	Miner	Home					2	
2470	do	German	Miner	Home	2	1			5	
2471	do	German	Miner	Home		1	2		5	
2472	do	German	Miner	Home		2	3		7	
2473	do	German	Miner	Home			2		4	
2474	do	German	Miner	Work	2	4	2		10	
2475	do	German	Miner	Home		3	1		6	
2476	do	German	Miner	Home		3	1		6	
2477	do	German	Miner	Home			1		3	
2478	do	German	Miner and weigh- man.	Home	3	2	3		10	
2479	do	German	Miner	Home	1	2	3		8	
2480	do	German	Miner	Home			2		4	
2481	do	German	Miner	Home	1				3	
2482	do	German	Miner	Home		1	3		6	
2483	do	German	Miner	Home					2	
2484	do	German	Miner	Home	2	3	2		9	
2485	do	German	Miner	Home	1				3	
2486	do	German	Miner	Home			1	1	4	
2487	do	German	Miner	Home					2	
2488	do	German	Miner	Home	2	2	3		9	
2489	do	German	Miner	Home			3		5	
2490	do	German	Miner	Home	1	1	1		5	
2491	do	German	Miner	Home			4		6	
2492	do	German	Miner	Home	1		2	2	7	
2493	do	German	Miner	Home	2	3	4		11	
2494	do	German	Miner	Home	2	2	1		7	
2495	do	Hungarian	Miner	Home	1	1			4	
2496	do	Hungarian	Miner	Home		2	1		5	
2497	do	Hungarian	Miner	Home		2	1		5	
2498	do	Irish	Miner	Home	2		4	1	9	
2499	do	Irish	Miner	Home	3	2	2		9	
2500	do	Irish	Miner	Home		3	1		6	
2501	do	Irish	Miner	Home			1		3	
2502	do	Irish	Miner	Home			1	1	4	
2503	do	Irish	Miner	Home			2	1	5	
2504	do	Irish	Leader and miner	Home					2	
2505	do	Irish	Miner	Home	3		5		10	
2506	do	Irish	Miner	Home		4	2		8	
2507	do	Irish	Miner	Home	1	1	4		8	
2508	do	Irish	Miner	Home					2	
2509	do	Irish	Miner	Home	1				3	
2510	do	Irish	Blacksmith	Home	3		4		9	
2511	do	Irish	Miner	Home	2		4		8	
2512	do	Irish	Miner	Home	1	2	2		7	
2513	do	Irish	Miner	Home					2	
2514	do	Irish	Miner	Home		2	1		5	
2515	do	Irish	Miner	Home		1	2		5	
2516	do	Irish	Miner	Home					2	
2517	do	Italian	Miner	Home			1		3	
2518	do	Scotch	Miner	Home	1		4		7	
2519	do	Scotch	Driver, boss	Home			3		5	
2520	do	Scotch	Miner	Home	1		3		6	
2521	do	Scotch	Miner	Home					2	
2522	do	Scotch	Weighman	Home	2		4		8	
2523	do	Scotch	Mine boss	Home			6		8	
2524	do	Scotch	Miner	Home	3	2	2		9	

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2525	Pennsylv'ia.	Scotch	Miner	Home	1	2	6			15
2526	do	Scotch	Miner	Home			3			1
2527	do	Scotch	Miner	Home						2
2528	do	Scotch	Miner	Home	1		3			6
2529	do	Scotch	Miner	Home	2		5			9
2530	do	Scotch	Miner	Home			3		1	6
2531	do	Scotch	Driver	Home			1			3
2532	do	Scotch	Miner	Home					1	3
2533	do	Scotch	Miner	Home					1	3
2534	do	Scotch	Miner	Home			4			6
2535	do	Scotch	Miner	Home			1			3
2536	do	Scotch	Miner	Home	2		7			11
2537	do	Scotch	Miner	Home	4		7			13
2538	do	Scotch	Miner	Home			2			4
2539	do	Scotch	Miner	Home			5			7
2540	do	Scotch	Miner	Home			4			6
2541	do	Scotch	Miner	Home	1	2	3		1	9
2542	do	Scotch	Miner	Home	1	1	2			6
2543	do	Scotch	Miner	Home	2		5			9
2544	do	Scotch	Miner	Home		2	1			5
2545	do	Swedish	Miner	Home			2			4
2546	do	Swedish	Miner	Home			2			4
2547	do	Welsh	Miner	Home			2			4
2548	do	Welsh	Miner	Home	1		1			4
2549	do	Welsh	Miner	Home	2		5			9
2550	do	Welsh	Miner	Home			2			4
2551	do	Welsh	Miner	Home			1			3
2552	do	Welsh	Miner	Home			2		3	7
2553	do	Welsh	Miner	Home	2		7			11
2554	do	Welsh	Miner	Home	1	2	1			6
2555	do	Welsh	Miner	Home	2		1			5
2556	do	Welsh	Miner	Home	1	1	1			5
2557	do	Welsh	Laborer	Home						2
2558	do	Welsh	Foreman, drivers	Home			2			4
2559	do	Welsh	Miner	Home	4		4			10
2560	do	Welsh	Miner	Home	3		2			7
2561	do	Welsh	Miner	Home	1		3			6
2562	do	Welsh	Miner	Home	2	1	3			8
2563	do	Welsh	Laborer and timber- man	Home			3		2	7
2564	do	Welsh	Miner	Home	2		3		1	8
2565	do	Welsh	Laborer	Home	5		4			11
2566	do	Welsh	Miner	Home			5			7
2567	do	Welsh	Miner	Home			1			3
2568	do	Welsh	Miner	Home	1					3
2569	do	Welsh	Miner	Home	1	2	3			8
2570	do	Welsh	Driver	Home			1			3
2571	do	Welsh	Miner	Home	1					3
2572	do	Welsh	Miner	Home			3			5
2573	do	Welsh	Miner	Home			1			3
2574	do	Welsh	Driver	Home			1			3
2575	do	Welsh	Miner	Home			4			6
2576	do	Welsh	Miner	Home			4		1	7
2577	do	Welsh	Miner	Home		2	3			7
2578	do	Welsh	Miner	Home	1		2		1	6
2579	do	Welsh	Miner	Home			5			7
2580	do	Welsh	Laborer	Home	3		1			6
2581	do	Welsh	Miner	Home	2		1			5
2582	do	Welsh	Miner	Home	1					3
2583	do	Welsh	Miner	Home	2		6			10
2584	do	Welsh	Miner	Home	1		6			9
2585	do	Welsh	Miner	Home	1					3
2586	do	Welsh	Miner	Home	1	1				4
2587	do	Welsh	Driver	Home			1			3
2588	do	Welsh	Miner	Home		1	3			6
2589	do	Welsh	Miner	Home	1		6			9
2590	do	Welsh	Miner	Home			5		1	8
2591	do	Welsh	Miner	Home			4		3	9
2592	do	Welsh	Miner	Home		2	1			5
2593	do	Welsh	Laborer	Home		1	3			6
2594	do	Welsh	Miner	Home	1	1			2	6
2595	do	Welsh	Miner	Home	1		4			7

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known		
2596	Pennsylvania.	Welsh	Roadman	Home		2	2			6
2597	W. Virginia.	American.	Weighmaster	Home		1		1		4
2598	do	American.	Miner	Home	1				3	8
2599	do	American	Miner	Home	2	1	1			6
2600	do	German	Pumper	Home			1	2		5
2601	do	German	Miner	Home	1	4	1			8
2602	do	German	Miner	Home	1	1	1			5
2603	do	Irish	Miner	Home	1			2	1	6
2604	do	Irish	Blacksmith	Home		2	2			6
2605	Belgium	Belgian	Miner	Home	3					5
2606	do	Belgian	Foreman, laborers	Home	2	1				5
2607	do	Belgian	Foreman, miners	Home		2	1			5
2608	do	Belgian	Mine boss	Home	1	3				6
2609	do	Belgian	Miner	Home						2
2610	do	Belgian	Driver	Home	2	1	1			6
2611	do	Belgian	Miner	Home		3	1			6
2612	do	Belgian	Miner	Home		3	3			8
2613	do	Belgian	Miner	Home	4	3	2			11
2614	do	Belgian	Miner	Home		3		1		6
2615	Germany	German	Head cutter	Home		1	1		2	6
2616	do	German	Timberman	Home	2		1			5
2617	do	German	Timberman	Home	1	1	2		1	7
2618	do	German	Tracklayer	Home		4	4			10
2619	do	German	Miner	Home		1	2		2	7
2620	do	German	Gallery cutter	Home	1				3	6
2621	do	German	Miner	Home		4	2		1	9
2622	do	German	Miner	Home	1	4	3			10
2623	do	German	Laborer	Home	1		1			4
2624	do	German	Miner	Home	2	4	1			9
2625	do	German	Roadman	Home			5		3	10
2626	do	German	Miner	Home		3	2		2	9
2627	do	German	Miner	Home						2
2628	do	German	Miner	Home		2	1			5
2629	do	German	Miner	Home		1	3			6
2630	do	German	Miner	Home	1	3	2			8
2631	do	German	Miner	Home		3	2			7
2632	do	German	Miner	Home		1		1	3	7
2633	Groat Britain	English	Bank man	Home		3				5
2634	do	English	Engineman	Home	2	2				6
2635	do	English	Deputy overman	Home	2	2	1			7
2636	do	English	Screenner	Home		2	1			5
2637	do	English	Inclined-plane man	Home		2	1			5
2638	do	English	Miner	Home		3	1			6
2639	do	English	Miner	Home	2	2				6
2640	do	English	Miner	Home	2	2				6
2641	do	English	Miner	Home	2	3				7
2642	do	English	Miner	Home	3	3				8
2643	do	English	Miner	Home	2	4				8
2644	do	English	Miner	Home		5				7
2645	do	English	Miner	Home	2	3				7
2646	do	English	Miner	Home	1	3				6
2647	do	English	Hostlor	Home	1	3	1			7
2648	do	English	Miner	Home	1	3	2			8
2649	do	English	Miner	Home		2	1			5
2650	do	English	Miner	Home	1	1	2			6
2651	do	English	Minor	Home		2	2			6
2652	do	English	Laborer	Home		2	2			6
2653	do	English	Sawyer	Home	1		2			4
2654	do	English	Mason	Home			1			3
2655	do	English	Engineer	Home		1				3
2656	do	English	Carpenter	Home						2
2657	do	English	Blacksmith	Home		2				4
2658	do	English	Fitter	Home						2
2659	do	English	Fireman	Home	2	1	1			6
2660	do	English	Fine cleaner	Home		4				6
2661	do	English	Roadman	Home	1		1			4
2662	do	English	Engincer	Home		3				5
2663	do	English	Laborer	Home	2					5
2664	do	English	Bank man	Home	2	2	2			8



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget number.	Locality.	Nationality.	Occupation or condition of—						Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Unknown.		
2665	Great Britain	English	Bank man	Home	2	1				5
2666	do	English	Bank man	Home		2	1			5
2667	do	English	Bank man	Home	2	1	1			6
2668	do	English	Bank man	Home		3	2			7
2669	do	English	Blacksmith	Home		3	1			6
2670	do	English	Blacksmith	Home	1	2				5
2671	do	English	Blacksmith	Home	1	2	1			6
2672	do	English	Blacksmith	Home	3	3	1			9
2673	do	English	Foreman, blacksmiths.	Home		4				6
2674	do	English	Bricklayer	Home	1	3				6
2675	do	English	Carpenter	Home		4				6
2676	do	English	Carpenter	Home		3	2			7
2677	do	English	Carpenter	Home						2
2678	do	English	Carpenter	Home			3			5
2679	do	English	Carpenter	Home			1			3
2680	do	English	Carpenter	Home		2	2			6
2681	do	English	Engineer, locomotive	Home		4	1			7
2682	do	English	Engineer, locomotive	Home	1	2				5
2683	do	English	Engineman, fan	Home		3	2			7
2684	do	English	Engineman, fan	Home		1	1			4
2685	do	English	Engineman, hauling	Home			2			4
2686	do	English	Engineman, winding	Home		3	2			7
2687	do	English	Fireman	Home		2	1			5
2688	do	English	Foreman, laborers	Home		1				3
2689	do	English	Inspector	Home	1	4	1			8
2690	do	English	Laborer	Home		2	1			5
2691	do	English	Laborer, yard	Home	1	2	2			7
2692	do	English	Laborer, yard	Home		2	1			5
2693	do	English	Lampman	Home		3	1			6
2694	do	English	Lampman	Home		3				5
2695	do	English	Lampman	Home	1	2				5
2696	do	English	Machinist	Home			3			5
2697	do	English	Machinist	Home	1		1			4
2698	do	English	Mason	Home	1	3	2			8
2699	do	English	Mason	Home		1	3			6
2700	do	English	Packer			3	3			7
2701	do	English	Pumpman	Home	2	1	2			7
2702	do	English	Screenener		2		1			4
2703	do	English	Screenener	Home			1			3
2704	do	English	Screenener	Home		3	1			6
2705	do	English	Screenener	Home	3	3				8
2706	do	English	Screenener	Home			2			4
2707	do	English	Screenener	Home	1	3				6
2708	do	English	Screenener	Home		2	2			6
2709	do	English	Horseshoer	Home		2				4
2710	do	English	Timekeeper	Home		2				4
2711	do	English	Wagon builder	Home	1	2				5
2712	do	English	Watchman	Home		1	3			6
2713	do	English	Weighman	Home	2	2	2			8
2714	do	English	Bye-workman	Home		2	1			5
2715	do	English	Bye-workman	Home	1	1	2			6
2716	do	English	Bye-workman	Home			1			3
2717	do	English	Bye-workman	Home			2			4
2718	do	English	Laborer	Home	1		3	3		9
2719	do	English	Laborer	Home		3				5
2720	do	English	Deputy overman	Home		2	2			6
2721	do	English	Deputy overman	Home			2			4
2722	do	English	Deputy overman	Home	3		1			6
2723	do	English	Engineman, pit	Home			2			4
2724	do	English	Inclined-plane man	Home			3			5
2725	do	English	Filler	Home			3			5
2726	do	English	Hostler	Home			1			3
2727	do	English	Miner	Home	1	2				5
2728	do	English	Miner	Home		3	2		1	8
2729	do	English	Miner	Home	1	1	3			7
2730	do	English	Miner	Home			2			4
2731	do	English	Miner	Home	2	1	1			6
2732	do	English	Miner	Home		2				4
2733	do	English	Miner	Home	2		1			5
2734	do	English	Miner	Home		1	1			4
2735	do	English	Miner	Home		1	3	2		8

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Concluded.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Hnsband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2736	Great Britain	English...	Minor .....	Home	.....	3	3	.....	.....	8
2737	do	English...	Minor .....	Home	2	1	1	.....	.....	6
2738	do	English...	Minor .....	Home	.....	2	.....	.....	.....	4
2739	do	English...	Minor .....	Home	2	2	1	.....	.....	7
2740	do	English...	Minor .....	Home	2	3	.....	.....	.....	7
2741	do	English...	Minor .....	Home	.....	3	1	.....	.....	6
2742	do	English...	Minor .....	Home	3	2	2	.....	.....	10
2743	do	English...	Minor .....	Work	.....	.....	.....	.....	.....	2
2744	do	English...	Minor .....	Home	.....	.....	2	.....	.....	4
2745	do	English...	Minor .....	Home	.....	2	2	.....	.....	6
2746	do	English...	Minor .....	Home	.....	2	1	.....	.....	5
2747	do	English...	Minor .....	Home	.....	1	1	.....	.....	4
2748	do	English...	Minor .....	Home	.....	.....	.....	.....	.....	2
2749	do	English...	Minor .....	Home	1	.....	.....	.....	.....	3
2750	do	English...	Roadman .....	Home	2	2	.....	.....	.....	6
2751	do	English...	Roadman .....	Home	.....	.....	3	.....	.....	5
2752	do	English...	Roadman .....	Home	.....	1	2	.....	.....	5
2753	do	English...	Relley-way man .....	Home	3	1	1	.....	.....	6
2754	do	English...	Shaftman .....	Home	.....	2	2	.....	.....	6
2755	do	English...	Tramner .....	Home	1	3	1	.....	.....	7
2756	do	English...	Tramner .....	Home	.....	.....	2	.....	.....	4
2757	do	Irish...	Bank man .....	Home	1	2	.....	.....	.....	5
2758	do	Irish...	Screener .....	Home	.....	2	.....	.....	.....	4
2759	do	Irish...	Bye-workman .....	Home	3	1	1	.....	.....	6
2760	do	Irish...	Minor .....	Home	2	3	.....	.....	.....	7
2761	do	Italian...	Hauler .....	Home	3	2	2	.....	.....	9
2762	do	Scotch...	Engineman, hauling .....	Home	1	3	2	.....	.....	8
2763	do	Welsh...	Mason .....	Home	.....	2	1	.....	.....	5
2764	do	Welsh...	Hanger-on .....	Home	2	2	.....	.....	.....	6
2765	do	Welsh...	Minor .....	Home	3	3	.....	.....	.....	8
2766	do	Welsh...	Fire boss .....	Home	1	.....	.....	.....	.....	3
2767	do	Welsh...	Timberman .....	Home	.....	.....	1	.....	1	4
2768	do	Welsh...	Minor .....	Home	.....	2	2	.....	.....	6
2769	do	Welsh...	Minor .....	Home	.....	3	.....	.....	.....	5
2770	do	Welsh...	Minor .....	Home	.....	2	.....	.....	.....	4
2771	do	Welsh...	Blacksmith .....	Home	.....	.....	2	.....	.....	4
2772	do	Welsh...	Engineman .....	Home	1	2	1	.....	.....	6
2773	do	Welsh...	Hauler .....	Home	1	1	1	.....	.....	4
2774	do	Welsh...	Pitwright .....	Home	2	4	2	.....	.....	10
2775	do	Welsh...	Lampman .....	Home	2	3	1	.....	.....	8
2776	do	Welsh...	Hostler .....	Home	2	2	1	.....	.....	7
2777	do	Welsh...	Fitter .....	Home	1	2	2	.....	.....	7
2778	do	Welsh...	Laborer .....	Home	1	.....	.....	.....	1	4
2779	do	Welsh...	Mason .....	Home	1	1	1	.....	.....	5
2780	do	Welsh...	Screener .....	Home	.....	.....	.....	.....	.....	2
2781	do	Welsh...	Bank man .....	Home	2	2	.....	.....	.....	6
2782	do	Welsh...	Laborer .....	Home	.....	.....	.....	.....	.....	2
2783	do	Welsh...	Striker .....	Home	.....	.....	.....	.....	.....	2
2784	do	Welsh...	Laborer .....	Home	.....	.....	.....	.....	.....	2
2785	do	Welsh...	Hauler .....	Home	.....	.....	1	.....	.....	2
2786	do	Welsh...	Overman .....	Home	.....	1	1	.....	.....	4
2787	do	Welsh...	Minor .....	Home	.....	1	1	.....	.....	4
2788	do	Welsh...	Laborer .....	Home	.....	1	1	.....	.....	4
2789	do	Welsh...	Hauler .....	Home	.....	.....	1	.....	.....	3
2790	do	Welsh...	Laborer .....	Home	.....	2	.....	.....	.....	4
2791	do	Welsh...	Timberman .....	Home	2	2	1	.....	.....	7
2792	do	Welsh...	Minor .....	Home	.....	2	2	.....	.....	6
2793	do	Welsh...	Laborer .....	Home	1	.....	1	.....	.....	4
2794	do	Welsh...	Weighman .....	Home	.....	.....	2	.....	.....	4
2795	do	Welsh...	Mason .....	Home	.....	.....	2	.....	.....	4
2796	do	Welsh...	Bye-workman .....	Home	.....	1	1	.....	3	7
2797	do	Welsh...	Minor .....	Home	.....	3	1	.....	.....	6
2798	do	Welsh...	Roadman .....	Home	1	3	2	.....	.....	8





TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
2165	24	22	2	M.															
2166	30	28																	
2167	29	26	1	M.															
2168	31	31	14	M.	3	F.	2	M.	1	F.									
2169	41	43	8	F.	6	M.													
2170	28	26	3	F.															
2171	30	24	3	M.	1	F.													
2172	36	34	11	M.	1	M.													
2173	31	28	4	M.	2	M.													
2174	36	34	18	M.	11	F.	4	F.											
2175	37	35	17	M.	14	M.	7	F.	3	F.	3	M.	1	F.					
2176	41	40	17	F.	14	M.	11	F.	6	F.	2	M.							
2177	33	33	11	M.	9	F.	7	F.	4	M.									
2178	32	31	5	F.	2	M.													
2179	41	37	19	F.	9	F.													
2180	21	20																	
2181	27	26	1	F.															
2182	27	20																	
2183	55	50	17	M.	15	M.													
2184	28	25	1	F.															
2185	36	34	12	M.	10	F.													
2186	22	20																	
2187	40	35	9	F.	7	M.	5	M.											
2188	41	28	12	M.	9	M.	1	M.											
2189	26	24																	
2190	28	24	4	M.	2	F.													
2191	23	18	2	M.															
2192	34	30																	
2193	58	52	23	M.	19	M.	15	M.	12	F.	9	F.							
2194	33	30	11	F.	2	M.													
2195	42	40	12	M.	10	M.													
2196	43	38	14	F.	12	F.	8	F.	5	M.	3	M.	1	F.					
2197	37	33	13	M.	9	F.	7	M.	4	F.	2	M.							
2198	27	23	6	F.	5	M.	2	M.											
2199	39	43																	
2200	38	32	10	F.	9	M.	6	M.	4	F.	1	F.							
2201	44	33	16	F.	13	F.	10	M.	7	M.	2	F.							
2202	40	36	15	M.	13	F.	9	M.	5	M.	2	F.							
2203	34	30	8	F.	6	F.	4	M.	2	F.									
2204	25	20																	
2205	40	32	16	M.	12	F.	7	M.	5	M.									
2206	52	49	16	F.	11	M.	9	F.	7	F.									
2207	31	31	9	F.	6	F.													
2208	22	20	1	F.															
2209	27	25	6	F.	3	F.	1	F.											
2210	25	20	1	F.															
2211	36	25	4	F.	2	M.													
2212	22	18																	
2213	33	33	12	F.	8	F.	5	M.	2	F.									
2214	31	31	9	M.	7	M.	1	M.											
2215	73	67	24	M.	7	M.													
2216	45	35	12	M.	8	M.	7	M.	6	M.	4	M.	3	M.	1	F.			
2217	44	39	18	F.	17	M.	14	M.	12	M.	10	M.	5	M.					
2218	25	23	4	M.	2	F.													
2219	24	29	5	F.	2	M.													
2220	53	50	20	M.	16	F.	12	M.	7	M.	4	F.							
2221	56	.....	22	F.	20	M.	20	M.	18	M.	16	M.							
2222	37	30	5	F.															
2223	29	23	4	F.	3	M.													
2224	56	52	16	F.	14	M.	12	M.	8	F.									
2225	58	50	16	F.	13	M.	11	F.											
2226	38	32	11	F.	8	M.	7	F.	5	M.	3	F.							
2227	41	39	19	M.	17	M.	13	F.	11	F.	9	M.	4	F.	2	F.			
2228	28	28	1	M.															
2229	41	39	18	M.	16	M.	14	F.	11	F.	2	F.	1	F.					
2230	29	23																	
2231	33	34																	
2232	38	37	18	F.	16	M.	15	M.	13	M.	10	M.	8	F.	6	F.	1	M.	

**B.—AGE AND SEX—Continued.**

[All ages are given in full years.]

[illegible]

**B.—AGE AND SEX—Continued.**

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
2301	44	35	13	M.	11	F.	9	M.	4	F.	2	M.	1	F.					
2302	30	26	8	F.	7	F.	5	M.	2	M.									
2303	38	35	17	M.	10	F.	7	F.											
2304	36	30																	
2305	35	32	10	M.	3	F.													
2306	41	40	19	F.	17	M.	14	M.	10	M.	8	M.	6	F.	2	M.			
2307	58	57																	
2308	37	35	15	M.	12	M.	10	F.	9	M.	8	F.	6	F.	3	M.			
2309	35	32																	
2310	33	32	14	F.	10	M.	6	F.	1	M.									
2311	32	30	5	F.	3	M.													
2312	42	35	12	M.	8	F.													
2313	28	18																	
2314	34	30	10	M.	8	M.	6	M.	4	F.	2	M.							
2315	40	40	15	F.	11	M.	8	M.											
2316	46	40	23	F.	21	F.													
2317	28	25	2	M.															
2318	34	30	4	F.	1	F.													
2319	40	38	18	M.	16	M.	14	M.	12	M.	9	M.	7	M.	4	F.	2	M.	
2320	36	32	9	F.	4	M.	1	F.											
2321	38	36	13	M.	11	F.	6	F.	3	F.									
2322	49	49																	
2323	33	30	11	F.	9	F.	7	M.											
2324	29	28	6	F.	3	M.													
2325	30	26																	
2326	37	28	7	M.	4	M.	2	F.											
2327	29	33	12	F.	7	M.	5	M.	3	M.	1	M.							
2328	31	29	10	F.	4	M.													
2329	28	19																	
2330	47	47	18	M.															
2331	24	23																	
2332	27	22	3	M.	1	F.													
2333	20	21	2	F.															
2334	29	25	6	M.	5	F.	3	F.											
2335	29	27	3	M.	1	M.													
2336	35	28	8	M.	6	M.	4	F.	2	F.									
2337	27	29	3	M.	1	M.													
2338	33	25	4	F.	2	F.													
2339	41	40	16	M.	14	F.	12	F.	10	F.	4	F.							
2340	25	23	2	F.	1	F.													
2341	35	23	5	F.	1	M.													
2342	25	25	6	F.	4	F.	2	F.	1	M.									
2343	31	22	7	M.	5	M.	3	F.	1	M.									
2344	20	20	1	F.															
2345	37	36	12	M.	10	M.	8	F.	5	M.									
2346	42	37	16	F.	14	M.	12	M.	10	M.	4	M.	2	M.	1	F.			
2347	48	38	10	M.	8	M.	5	M.	2	M.									
2348	63	56																	
2349	34	23																	
2350	59	46	19	F.	17	F.	15	M.	12	M.	8	M.	6	F.					
2351	30	24	9	F.	7	F.	4	M.	2	M.									
2352	42	40	18	M.	14	M.	10	F.	8	F.									
2353	50	46	25	F.	23	F.	20	M.	18	M.	10	F.	7	M.					
2354	30	29	7	F.															
2355	42	32	16	M.	13	F.	10	M.	6	F.	3	M.	1	M.					
2356	26	22	5	F.															
2357	24	20																	
2358	28	27	7	M.	4	F.	1	F.											
2359	45	43	19	F.	17	M.	15	F.	13	F.	10	M.	8	F.	6	M.			
2360	34	27	5	F.	3	F.	1	M.											
2361	36	28	12	M.	9	M.	4	F.	1	M.									
2362	48	47	19	M.	17	M.	15	M.	13	M.	11	M.	8	F.					
2363	32	28	7	M.	2	M.													
2364	31	30	11	M.	4	M.	1	F.											
2365	38	40																	
2366	34	22	4	M.															
2367	21	20	4	M.	2	M.	1	F.											
2368	50	50	14	F.	12	M.													



TABLE XIX.—BITUMINOUS COAL : COST OF LIVING, BY FAMILIES—  
Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
2369	38	37	14	M.	11	M.	9	F.	2	M.									
2370	37	36	6	F.	5	M.	2	M.											
2371	29	26	6	M.	5	F.	1	F.											
2372	34	26	4	F.	2	M.													
2373	30	23	5	M.	3	M.													
2374	34	30	14	F.	12	M.	9	F.	7	F.	4	M.	2	M.					
2375	45	34	17	M.	14	M.	13	F.	8	F.	6	M.	4	F.	2	F.	1	M.	
2376	30	26	1	F.															
2377	34	28	2	F.															
2378	36	38	9	M.	7	M.	5	M.	1	F.									
2379	59	57	21	F.	19	F.													
2380	48	48	14	M.															
2381	32	24	1	M.															
2382	48	49																	
2383	33	33	12	F.															
2384	38	32	13	F.	10	M.	2	F.											
2385	50	48	14	F.	13	M.	10	F.	7	M.									
2386	24	21	3	F.	1	F.													
2387	37	34	14	M.	12	M.	10	M.	7	M.	5	M.							
2388	38	38	13	M.	10	M.	4	F.											
2389	49	47	20	M.	18	M.	16	F.	14	M.	12	M.	10	M.	5	F.			
2390	45	39	17	M.	12	M.	9	M.	7	F.	2	F.							
2391	32	27	2	M.															
2392	37	35	10	F.	7	F.	4	M.	1	F.									
2393	40	41	20	M.	19	F.	15	M.											
2394	30	23	7	F.	5	F.	1	M.											
2395	51	47	23	F.															
2396	31	30	8	F.	6	F.													
2397	27	23	2	F.															
2398	23	25	2	M.															
2399	39	35	18	M.	11	M.	6	F.											
2400	49	41	16	F.	13	M.	11	M.											
2401	28	25	2	M.															
2402	40	39	18	M.	7	F.	5	F.	3	M.									
2403	38	41	11	F.	9	F.	7	F.	3	F.									
2404	38	35	17	F.	15	M.	14	F.	6	F.	2	M.							
2405	45	37	19	M.	18	M.	15	F.	11	M.	9	M.	5	F.	2	M.			
2406	57	59	17	F.															
2407	28	27	9	F.	7	M.	5	M.	1	M.									
2408	33	30	10	F.	8	F.	6	M.	4	M.	2	F.	1	M.					
2409	49	47	19	M.	15	M.	13	F.	6	F.	7	M.	6	M.	1	F.			
2410	48	48	12	F.	10	M.													
2411	29	25	3	F.	2	M.													
2412	31	31	2	M.															
2413	41	41	18	M.	17	F.	13	M.	10	M.	7	M.	4	M.	3	F.	1	M.	
2414	33	27	7	F.	5	F.	3	M.	1	F.									
2415	30	26	3	M.	1	M.													
2416	35	36	3	M.	1	M.													
2417	44	43	20	M.	16	M.	12	M.	9	F.	5	F.							
2418	30	23	5	F.	1	M.													
2419	32	28																	
2420	44	46	18	M.	16	M.	14	F.	12	F.	10	F.	7	F.					
2421	36	33	9	M.	7	M.	5	M.	3	F.	1	F.							
2422	58	56	14	F.															
2423	32	30	6	F.	4	F.	2	F.											
2424	63	59	14	M.															
2425	43	33																	
2426	55	50	15	F.	12	F.	8	F.											
2427	35	30	9	F.	6	M.	2	M.											
2428	30	25																	
2429	55	54	23	M.	20	F.													
2430	41	36	16	F.	10	F.	8	M.											
2431	27	23																	
2432	55	52	19	M.	15	F.	12	M.											
2433	38	35	11	F.	8	F.	3	F.											
2434	38	30	14	M.	12	F.	10	F.	8	F.	6	F.	4	M.	1	M.			
2435	55	50	13	F.															
2436	55	45	20	F.	17	M.	15	F.	10	F.	8	F.	5	F.	3	M.			

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

**B.—AGE AND SEX—Continued.**

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																		Oth- ers, and age and sex unkn.
	Hus- band.	Wife.	First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.				
			Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.			
2437	33	26	8	F.	6	M.															
2438	29	18	1	M.																	
2439	32	27	3	F.	1	F.															
2440	58	53	23	M.	20	M.	16	F.													
2441	43	40																			
2442	41	40	15	F.	13	M.	11	M.	9	M.	8	F.	2	F.							
2443	62	51	13	F.																	
2444	30	30	8	F.	5	F.	3	M.	1	M.											
2445	29	23	3	M.	2	F.															
2446	48	47	19	F.																	
2447	34	32	12	F.	6	F.	4	F.	2	M.											
2448	32	25																			
2449	40	37	14	M.	3	M.															
2450	38	40	18	M.	15	M.	11	M.	8	M.	2	M.									
2451	34	37	6	F.	4	F.	2	M.													
2452	39	30	12	M.	10	M.	7	F.	3	F.	1	F.									
2453	30	20																			
2454	38	36	12	F.	10	M.	8	F.	6	M.	4	F.	2	M.							
2455	29	23	4	F.	1	F.															
2456	35	34	6	M.																	
2457	37	36	14	M.	12	M.	10	M.	8	M.	6	M.	4	M.							
2458	27	24	5	M.	3	M.	1	M.													
2459	36	34	16	M.	13	F.	11	M.	9	M.	6	M.	4	M.	1	M.					
2460	30	26	5	M.	1	M.															
2461	63	53																			
2462	48	41	16	M.	13	M.	6	F.	2	F.											
2463	60	50	31	M.	20	M.	16	F.	14	F.	7	F.									
2464	30	26	2	M.	1	M.															
2465	46	43																			
2466	56	55	24	M.	23	M.	17	F.	15	F.	12	F.	10	M.	8	F.					
2467	30	26	7	M.	5	M.	4	F.	2	F.	1	M.									
2468	30	28	7	F.	5	F.															
2469	27	27																			
2470	60	55	23	M.	22		13	M.													
2471	29	28	8	F.	4	F.	1	M.													
2472	41	38	12	F.	10	F.	8	F.	2	M.	1	F.									
2473	30	21	4	F.	1	M.															
2474	60	55	23	M.	20	F.	18	F.	13	M.	12	M.	10	M.	7	M.					
2475	50	48	16	F.	14	F.	11	M.	9	M.											
2476	40	38	14	F.	11	M.	9	F.	7	M.											
2477	28	26	2	M.																	
2478	45	44	21	M.	20	M.	18	M.	16	F.	14	F.	10	F.	5	M.	1	F.			
2479	50	40	17	M.	15	F.	13	F.	11	M.	9	M.	5	M.							
2480	35	25	2	M.	1	M.															
2481	40	34	15	F.																	
2482	35	30	13	M.	7	F.	4	F.	2	F.											
2483	48	29																			
2484	48	46	18	M.	17	F.	15	M.	11	M.	9	F.	7	F.	5	F.					
2485	63	63	28	M.																	
2486	26	19	1	F.																	
2487	48	48																			
2488	50	46	18	M.	17	F.	15	F.	14		12	M.	10	M.	4	M.					
2489	34	32	4	F.	2	M.	1	F.		M.		M.		M.		M.					
2490	47	44	18	M.	16	F.	12	F.													
2491	26	23	6	F.	4	F.	2	M.	1	F.											
2492	39	37	14	F.	12	M.	3	F.													
2493	49	44	18	M.	16	M.	15	F.	12	M.	9	F.	7	M.	4	F.	2	M.	1		
2494	50	50	24	M.	17	F.	15	M.	13	M.	9	F.									
2495	41	39	15	F.	12	M.															
2496	37	31	12	F.	10	M.	2	M.													
2497	38	32	12	F.	8	F.	6	M.													
2498	40	40	17	M.	15	F.	12	F.	10	F.	9	F.	7	M.							
2499	54	40	24	M.	20	M.	18	M.	16	F.	12	F.	7	M.							
2500	56	42	20	F.	13	F.	12	M.	8	M.											
2501	28	22	1	M.																	
2502	60	60	20	F.																	
2503	55	52	15	F.	13	M.															
2504	72	75																			





**B.—AGE AND SEX—Continued.**

No. of budget.	Age of—		The children.																Others, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Husband.	Wife.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
2573	24	23	2	M.															
2574	26	36	8	M.															
2575	29	24	6	M.	4	F.	2	F.	1	M.									
2576	35	26	7	F.	6	M.	5	M.	1	M.									
2577	32	27	10	M.	8	F.	6	F.	4	M.	2	F.							
2578	50	43	14	M.	7	M.	1	F.	F.										
2579	36	33	15	F.	11	M.	6	F.	4	F.	1	F.							
2580	57	58	22	F.	18	M.	16	M.	13	F.									
2581	38	34	15	M.	14	M.	4	M.											
2582	43	48	21	F.															
2583	40	37	17	M.	16	F.	14	F.	12	M.	9	F.	6	M.	3	F.	1	M.	
2584	35	31	15	M.	13	F.	10	M.	9	M.	6								
2585	63	69	28	M.															
2586	56	56	16	M.	11	F.													
2587	29	23	3	F.															
2588	35	26	7	M.	5	M.	3	M.	1	M.									
2589	51	45	18	M.	16	F.	14	F.	12	F.	10	F.	5	F.	3	F.			
2590	36	34	13	F.	11	F.	9	M.	3	F.	1	F.							
2591	29	28	9	F.	6	F.	3	F.	1	F.									
2592	30	29	9	F.	6	F.	2	M.											
2593	37	30	7	M.	5	M.	2	M.	1	F.									
2594	63	60	25	M.	11	M.													
2595	48	45	17	M.	15	F.	13	F.	9	M.	5	M.							
2596	64	45	15	F.	10	F.	7	F.	5	M.									
2597	47	43	20	F.	12	F.													
2598	39	35	16	M.	14	F.	12	F.	9	F.									
2599	54	52	22	F.	18	F.	16	F.	12	F.									
2600	29	28	7	F.	4	M.	1	F.	12										
2601	37	34	16	M.	14	M.	10	M.	9	M.	5	M.	2	F.					
2602	45	42	19	F.	10	F.	3	F.											
2603	35	43	21	F.	18	F.	17	M.											
2604	40	36	12	M.	10	M.	3	F.	1	F.									
2605	52	53	22	F.	20	F.	13	F.											
2606	56	50	20	M.	15	F.	13	M.											
2607	31	30	11	M.	6	F.	3	M.											
2608	30	38	14	M.	12	M.	7	M.	5	F.									
2609	55	52																	



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## B.—AGE AND SEX—Continued.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
2709	35	35	15	F.	10	M.													
2710	30	27	9	F.	5	M.													
2711	40	39	15	M.	11	M.	9	M.											
2712	28	27	6	M.	4	F.	2	M.	1	M.									
2713	37	36	16	F.	14	M.	11	M.	9	M.	5	F.	1	F.					
2714	40	36	12	M.	8	M.	4	F.	F.										
2715	57	54	20	M.	17	F.	15	F.	8	F.									
2716	61	58	24	F.															
2717	29	27	5	M.	3	M.													
2718	42	40	17	M.	15	F.	12	F.	9	M.	6	F.	3	F.	1	F.			
2719	36	36	13	M.	10	M.	8	F.											
2720	39	37	10	F.	8	F.	5	M.	3	F.									
2721	36	30	5	M.	3	F.													
2722	52	53	30	F.	28	M.	24	F.	19	F.									
2723	30	27	4	F.	1	F.													
2724	27	26	5	M.	3	M.	1	F.											
2725	30	28	5	F.	2	M.	1	M.											
2726	32	34	4	M.															
2727	37	35	17	M.	11	M.	8	M.											
2728	31	29	11	F.	9	F.	6	M.	4	F.	1	F.							
2729	33	37	18	M.	14	F.	9	F.	4	M.	2	M.							
2730	44	24	3	F.	1	M.													
2731	42	40	14	M.	13	M.	11	F.	4	F.									
2732	37	38	12	M.	9	M.													
2733	42	39	21	F.	20	M.	17	M.											
2734	39	36	6	M.	2	F.													
2735	36	32	10	M.	9	M.	7	F.	5	F.	3	F.	1	M.					
2736	38	34	11	M.	9	F.	7	F.	5	M.	3	M.	1	M.					
2737	54	55	29	M.	18	M.	15	F.	8	M.									
2738	39	34	9	F.	6	F.													
2739	45	37	16	M.	14	M.	12	F.	8	M.	3	M.							
2740	46	42	18	M.	16	M.	12	M.	10	F.	8	M.							
2741	50	47	14	F.	11	F.	9	F.	7	M.									
2742	48	46	21	M.	17	F.	15	F.	13	F.	10	M.	8	F.	4	M.	2	F.	
2743	28	29																	
2744	40	36																	
2745	35	33	10	F.	8	M.	5	M.	1	F.									
2746	38	29	11	M.	8	M.	5	F.											
2747	38	32	6	F.	3	M.													
2748	29	25																	
2749	54	48	19	F.															
2750	45	44	21	M.	14	M.	12	F.	6	M.									
2751	29	29	5	F.	3	M.	1	M.											
2752	34	32	6	F.	4	F.	2	F.											
2753	54	49	22	M.	19	M.	17	F.	15	M.									
2754	45	43	20	M.	14	F.	11	M.	8	F.									
2755	44	40	16	M.	14	F.	12	F.	10	F.	9	M.							
2756	27	24	2	M.	1	F.													
2757	46	46	20	F.	11	F.	9	M.											
2758	38	34	10	M.	5	F.													
2759	51	52	24	F.	22	M.	18	M.	15	M.									
2760	50	51	20	M.	16	M.	14	F.	11	F.	4	M.							
2761	40	41	24	F.	22	F.	18	F.	16	F.	15	F.	10	M.	7	F.			
2762	36	37	14	M.	12	F.	9	M.	7	M.	5	F.	1	M.					
2763	27	26	7	F.	5	F.	1	M.											
2764	43	40	16	M.	15	M.	10	M.	7	F.									
2765	47	45	19	M.	17	M.	15	M.	13	F.	11	F.	7	F.					
2766	54	55	20	F.															
2767	56	49	19	F.															
2768	29	28	9	M.	6	M.	3	F.	1	F.									
2769	29	29	8	F.	7	M.	3	F.											
2770	55	50	14	F.	11	M.													
2771	30	31	5	F.	2	F.													
2772	43	50	24	F.	21	M.	12	M.											
2773	65		18	F.	16	F.	9	F.	10	M.									
2774	52	50	22	F.	20	M.	18	M.	14	M.	11	F.	7	M.	5	F.	3	F.	
2775	47	45	17	M.	14	M.	10	M.	8	F.	6	F.	1	M.					
2776	45	42	19	M.	17	F.	15	M.	8	F.	7	M.							



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## B.—AGE AND SEX—Concluded.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
2777	37	37	17	F.	15	F.	11	F.	8	M.	4	F.	.....	.....	.....	.....	.....	.....	
2778	68	61	28	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2779	59	54	18	F.	16	M.	13	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2780	36	37	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2781	45	39	16	M.	14	F.	12	F.	6	F.	.....	.....	.....	.....	.....	.....	.....	.....	
2782	25	26	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2783	21	20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2784	68	60	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2785	28	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2786	42	38	12	M.	4	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2787	30	28	6	M.	4	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2788	28	26	8	M.	4	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2789	41	42	18	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2790	31	30	9	M.	6	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2791	42	42	18	M.	17	M.	14	F.	10	M.	8	M.	.....	.....	.....	.....	.....	.....	
2792	38	35	10	M.	9	F.	5	F.	3	F.	.....	.....	.....	.....	.....	.....	.....	.....	
2793	54	53	24	M.	20	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2794	32	27	5	M.	4	M.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2795	34	30	4	M.	1	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2796	62	58	20	F.	13	F.	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	
2797	40	38	10	M.	8	F.	6	M.	3	M.	.....	.....	.....	.....	.....	.....	.....	.....	
2798	48	48	19	M.	15	F.	12	M.	10	F.	7	F.	2	F.	.....	.....	.....	.....	

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2097	No.....	\$708.56					\$708.56
2098	No.....	847.48					943.48
2099	No.....	628.50				\$96.00	628.50
2100	No.....	684.56		\$530.00			1,214.56
2101	Yes.....	350.00		175.00		96.00	621.00
2102	No.....	1,014.58					1,014.58
2103	No.....	450.29					450.29
2104	No.....	960.00					960.00
2105	Yes.....	578.10		240.00			818.10
2106	No.....	1,080.00				144.00	1,224.00
2107	No.....	680.31					680.31
2108	No.....	1,215.27					1,215.27
2109	No.....	450.00		225.00			675.00
2110	No.....	466.63					466.63
2111	No.....	691.87					691.87
2112	Yes.....	1,080.00					1,080.00
2113	No.....	560.00		340.00			900.00
2114	No.....	600.00					600.00
2115	No.....	525.53					525.53
2116	No.....	400.00					430.00
2117	No.....	874.45				30.00	874.45
2118	No.....	432.50					432.50
2119	No.....	340.00		374.00			714.00
2120	No.....	350.00		140.00	\$48.00		538.00
2121	No.....	520.00					520.00
2122	No.....	300.00					300.00
2123	No.....	420.00					420.00
2124	No.....	335.20					335.20
2125	No.....	550.00					550.00
2126	No.....	360.00					504.00
2127	No.....	460.50				144.00	460.50
2128	No.....	430.90		244.00			674.90
2129	No.....	580.00					580.00
2130	No.....	360.00					360.00
2131	No.....	420.00					420.00
2132	No.....	450.75					450.75
2133	No.....	540.00					540.00
2134	No.....	360.00					360.00
2135	No.....	460.00					460.00
2136	No.....	300.00	\$150.00				450.00
2137	No.....	250.00					450.00
2138	No.....	384.50	120.00			120.00	604.50
2139	No.....	250.00	150.00				400.00
2140	No.....	1,154.87					1,154.87
2141	Yes.....	788.13		100.00			888.13
2142	No.....	550.00					550.00
2143	No.....	705.63					705.63
2144	No.....	780.00					780.00
2145	No.....	245.00				252.00	497.00
2146	No.....	300.00	100.00	275.00			675.00
2147	No.....	739.67					739.67
2148	No.....	500.00				30.00	530.00
2149	No.....	540.00					540.00
2150	Yes.....	799.74		1,050.00			1,849.74
2151	No.....	643.84					643.84
2152	No.....	1,000.00		120.00			1,120.00
2153	Yes.....	660.00					660.00
2154	No.....	480.00		390.00			870.00
2155	No.....	450.00		160.00			610.00
2156	No.....	510.00					510.00
2157	No.....	267.72					267.72
2158	No.....	545.50		240.00		24.00	809.50
2159	No.....	255.00					255.00
2160	Yes.....	345.50					345.50
2161	No.....	205.25	125.00	413.00			743.25
2162	Yes.....	400.00					400.00
2163	No.....	545.00					545.00
2164	No.....	250.00				25.00	275.00
2165	No.....	328.48					328.48
2166	Yes.....	275.00					275.00
2167	No.....	290.00					290.00
2168	No.....	370.00				30.00	400.00
2169	No.....	435.00					435.00
2170	No.....	335.45					335.45
2171	No.....	477.13					477.13

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2172	No.	\$290.00					\$290.00
2173	No.	375.00					375.00
2174	No.	325.00		\$150.00			475.00
2175	No.	200.00		125.00		\$35.00	360.00
2176	No.	398.50		50.00			448.50
2177	Yes	324.00					324.00
2178	No.	300.00					300.00
2179	No.	355.50					355.50
2180	No.	275.00				25.00	300.00
2181	No.	293.50					293.50
2182	No.	375.00					375.00
2183	No.	315.00					315.00
2184	No.	250.00					250.00
2185	No.	393.25					393.25
2186	No.	295.00					295.00
2187	No.	300.00					300.00
2188	No.	350.00				60.00	410.00
2189	No.	275.00					275.00
2190	No.	425.50					425.50
2191	No.	384.25					384.25
2192	Yes	360.00					360.00
2193	No.	285.40		425.00			710.40
2194	No.	450.00					450.00
2195	No.	350.00					350.00
2196	No.	325.25					325.25
2197	Yes	300.00					300.00
2198	Yes	583.75					583.75
2199	No.	310.50					310.50
2200	No.	425.00					425.00
2201	No.	250.00					250.00
2202	No.	300.00		100.00			400.00
2203	No.	415.00					415.00
2204	No.	410.00					410.00
2205	No.	540.00		110.50			650.50
2206	No.	298.75				25.00	323.75
2207	No.	420.00					420.00
2208	No.	400.00					400.00
2209	No.	450.00					450.00
2210	No.	360.00					360.00
2211	No.	187.50					187.50
2212	No.	280.00					280.00
2213	No.	225.80					225.80
2214	No.	312.50					312.50
2215	No.	240.00				190.00	340.00
2216	No.	325.25					325.25
2217	No.	328.75		107.50			436.25
2218	No.	370.18					370.18
2219	No.	280.00					280.00
2220	No.	325.00		200.00			525.00
2221	No.	217.60		418.00			635.60
2222	No.	396.00					396.00
2223	No.	325.00					325.00
2224	No.	425.60		50.00			475.60
2225	No.	319.45					319.45
2226	Yes	480.00					480.00
2227	No.	486.00		245.00			731.00
2228	Yes	550.00					550.00
2229	Yes	725.00			\$14.00		739.00
2230	No.	120.00					120.00
2231	No.	250.00				84.00	334.00
2232	Yes	605.00		120.00			725.00
2233	Yes	840.00					840.00
2234	Yes	400.00		25.00			425.00
2235	Yes	200.00			384.00	96.00	680.00
2236	No.	375.25		150.00			525.25
2237	No.	300.00					300.00
2238	No.	294.50					294.50
2239	No.	348.90		65.00			413.90
2240	No.	480.00					480.00
2241	No.	364.68					364.68
2242	No.	345.00					345.00
2243	No.	360.00		180.00			540.00
2244	Yes	267.93				204.00	471.93
2245	Yes	240.00		464.00			704.00
2246	No.	240.00					240.00



TABLE XIX—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2247	No.....	\$275.50					\$275.50
2248	No.....	212.27		\$150.00		\$75.00	437.27
2249	No.....	350.00				50.00	400.00
2250	Yes.....	395.75		40.00			435.75
2251	No.....	694.35					694.35
2252	No.....	312.00		20.00			332.00
2253	No.....	369.00					369.00
2254	Yes.....	354.00		150.00			504.00
2255	No.....	360.00		275.00		30.00	665.00
2256	No.....	560.00					560.00
2257	No.....	150.00					150.00
2258	Yes.....	400.00					400.00
2259	Yes.....	375.00					375.00
2260	Yes.....	420.00					420.00
2261	No.....	384.72					384.72
2262	No.....	300.00					300.00
2263	No.....	295.00					295.00
2264	No.....	400.00		168.00			568.00
2265	No.....	315.70		150.00			465.70
2266	No.....	212.50		300.00			512.50
2267	No.....	565.00					565.00
2268	Yes.....	319.91	\$500.00	150.00			969.91
2269	Yes.....	200.00				15.00	215.00
2270	No.....	240.00		230.00			470.00
2271	Yes.....	326.40					326.40
2272	Yes.....	675.00			\$532.00		1,207.00
2273	No.....	600.00		235.20			835.20
2274	Yes.....	840.00					840.00
2275	No.....	342.00		350.00			692.00
2276	Yes.....	400.00					400.00
2277	Yes.....	142.00	104.00	858.00	384.00		1,488.00
2278	No.....	375.00					375.00
2279	Yes.....	960.00					960.00
2280	No.....	300.00		120.00			420.00
2281	No.....	400.00					400.00
2282	Yes.....	312.00					312.00
2283	Yes.....	300.00					300.00
2284	No.....	400.00					400.00
2285	No.....	387.50					387.50
2286	No.....	348.75					348.75
2287	No.....	310.50					310.50
2288	No.....	310.50		295.40			605.90
2289	No.....	243.75		237.84			481.59
2290	No.....	350.00		50.00			400.00
2291	No.....	387.98					387.98
2292	No.....	236.50					236.50
2293	No.....	230.50					230.50
2294	No.....	209.09		400.00		96.00	705.09
2295	No.....	216.00					216.00
2296	Yes.....	435.00		300.00			735.00
2297	Yes.....	475.00				156.00	631.00
2298	Yes.....	396.00		328.73			724.73
2299	Yes.....	420.00					420.00
2300	Yes.....	225.00					225.00
2301	No.....	305.44		152.71			458.15
2302	No.....	401.49					401.49
2303	No.....	317.27		256.00			573.27
2304	No.....	492.21					492.21
2305	No.....	385.00			80.00		465.00
2306	Yes.....	309.20		143.23		37.72	490.15
2307	Yes.....	247.26					247.26
2308	No.....	426.87					426.87
2309	Yes.....	289.04				60.00	349.04
2310	No.....	350.88					350.88
2311	No.....	285.75					285.75
2312	Yes.....	227.13				352.00	579.13
2313	No.....	875.00					875.00
2314	No.....	423.60					423.60
2315	No.....	558.98					558.98
2316	No.....	572.00					572.00
2317	Yes.....	453.75					453.75

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2318	No.	\$426.97					\$426.97
2319	No.	509.37		\$175.00			684.37
2320	No.	472.25				\$54.45	526.70
2321	No.	370.65					370.65
2322	No.	485.25					485.25
2323	No.	286.95					286.95
2324	No.	401.29					401.29
2325	No.	511.01					511.01
2326	No.	550.00					550.00
2327	No.	400.00					400.00
2328	No.	706.00					706.00
2329	No.	500.00					500.00
2330	No.	720.00		440.00			1,160.00
2331	No.	385.00					385.00
2332	No.	460.00					460.00
2333	No.	360.00					360.00
2334	No.	356.31				219.00	575.31
2335	No.	420.00					420.00
2336	No.	280.00					280.00
2337	Yes.	485.00					485.00
2338	No.	510.50					510.50
2339	No.	390.00		250.00			640.00
2340	No.	450.00					450.00
2341	No.	500.00				72.00	572.00
2342	No.	650.00					650.00
2343	No.	400.00			\$204.00		604.00
2344	No.	480.00					480.00
2345	Yes.	530.00					530.00
2346	No.	437.50					437.50
2347	Yes.	403.76					403.76
2348	No.	385.00					385.00
2349	No.	720.00					720.00
2350	Yes.	360.00		190.00			550.00
2351	No.	384.00					384.00
2352	No.	400.00		520.00			920.00
2353	No.	274.27		653.00			927.27
2354	No.	450.00					450.00
2355	No.	373.80		254.30			628.10
2356	No.	500.00					500.00
2357	No.	380.00					380.00
2358	Yes.	200.00	\$120.00				320.00
2359	Yes.	444.27			175.00		619.27
2360	No.	600.50					600.50
2361	No.	300.00				80.00	380.00
2362	No.	120.00		980.00			1,100.00
2363	Yes.	200.00					200.00
2364	Yes.	180.00				60.00	240.00
2365	No.	447.95				18.00	465.95
2366	No.	379.88					379.88
2367	No.	343.66					343.66
2368	Yes.	428.26					428.26
2369	No.	628.51					628.51
2370	No.	156.60				90.00	246.60
2371	Yes.	363.36				15.00	378.36
2372	Yes.	386.00					386.00
2373	Yes.	443.19				24.00	467.19
2374	No.	420.00		210.00		21.80	651.80
2375	Yes.	384.00		576.00			960.00
2376	No.	323.00					323.00
2377	Yes.	506.00					506.00
2378	Yes.	310.00					310.00
2379	Yes.	372.00		101.00		372.00	845.00
2380	Yes.	360.00		120.00			480.00
2381	No.	401.80					401.80
2382	No.	388.14					388.14
2383	No.	576.52					576.52
2384	No.	448.43					448.43
2385	No.	630.91					630.91
2386	No.	462.48					462.48
2387	No.	628.08					628.08
2388	No.	536.98					536.98

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2389	Yes.....	\$250.00		\$666.92	\$192.00	\$6.00	\$1,114.92
2390	No.....	384.00		384.00		5.00	773.00
2391	Yes.....	430.00					430.00
2392	No.....	296.40					296.40
2393	Yes.....	320.00		480.00			800.00
2394	No.....	390.00					390.00
2395	Yes.....	450.00					450.00
2396	No.....	487.00					487.00
2397	No.....	344.00					344.00
2398	No.....	295.00					295.00
2399	No.....	250.00		250.00			500.00
2400	No.....	361.80		194.00			555.80
2401	No.....	355.00					355.00
2402	No.....	450.00		450.00		40.00	940.00
2403	No.....	648.00				21.00	669.00
2404	No.....	460.00		236.00		66.00	762.00
2405	No.....	420.00		840.00			1,260.00
2406	No.....	440.00		30.00			470.00
2407	No.....	400.00					400.00
2408	Yes.....	400.00					400.00
2409	Yes.....	450.00		675.00			1,125.00
2410	No.....	360.00					360.00
2411	No.....	335.00					335.00
2412	No.....	405.00					405.00
2413	No.....	405.00		520.00	80.00	48.00	1,053.00
2414	Yes.....	400.00				3.25	403.25
2415	No.....	325.00			420.00	18.25	772.25
2416	No.....	600.00					600.00
2417	No.....	333.00		666.00			999.00
2418	No.....	562.94					562.94
2419	No.....	476.00					476.00
2420	No.....	496.00		766.00	160.00	96.00	1,518.00
2421	No.....	930.00				196.00	1,126.00
2422	No.....	300.00					300.00
2423	No.....	246.87					246.87
2424	No.....	260.16					260.16
2425	No.....	276.02					276.02
2426	No.....	213.18			547.35		760.53
2427	No.....	357.60					357.60
2428	No.....	332.88					332.88
2429	Yes.....	461.00		225.00			686.00
2430	Yes.....	486.41					486.41
2431	No.....	460.00					460.00
2432	Yes.....	245.00		250.00			495.00
2433	Yes.....	250.00				80.00	330.00
2434	Yes.....	559.50		39.12			598.62
2435	No.....	251.21					251.21
2436	No.....	276.42		75.00	180.00		531.42
2437	No.....	443.65					443.65
2438	No.....	460.00					460.00
2439	Yes.....	480.00				50.00	530.00
2440	No.....	325.00		871.00		38.00	1,234.00
2441	Yes.....	363.42				216.00	579.42
2442	No.....	425.58					425.58
2443	Yes.....	414.36					414.36
2444	No.....	504.32			364.00		868.32
2445	No.....	449.71					449.71
2446	No.....	389.95					389.95
2447	No.....	600.00					600.00
2448	Yes.....	440.00					440.00
2449	Yes.....	718.17					718.17
2450	Yes.....	709.21		437.66			1,146.87
2451	No.....	387.26					387.26
2452	No.....	360.00					360.00
2453	No.....	450.00					450.00
2454	No.....	364.18					364.18
2455	No.....	308.47					308.47
2456	No.....	355.61					355.61
2457	No.....	463.14				125.00	588.14
2458	No.....	561.00					561.00
2459	No.....	621.85					621.85



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2460	Yes.....	\$326.30				\$100.00	\$426.30
2461	Yes.....	240.00					240.00
2462	Yes.....	306.59					306.59
2463	Yes.....	240.00		\$569.25			809.25
2464	No.....	395.72					395.72
2465	Yes.....	365.00					365.00
2466	Yes.....	375.00		520.00			895.00
2467	No.....	415.00					415.00
2468	No.....	290.00					290.00
2469	No.....	300.00					300.00
2470	Yes.....	390.00		755.00		492.00	1,637.00
2471	No.....	497.00					497.00
2472	Yes.....	382.00					382.00
2473	No.....	390.00					390.00
2474	Yes.....	435.00	\$100.00	184.00		144.00	863.00
2475	Yes.....	430.76					430.76
2476	No.....	361.08					361.08
2477	No.....	250.29					250.29
2478	Yes.....	406.50		564.52			971.02
2479	Yes.....	593.02					593.02
2480	Yes.....	412.72					412.72
2481	Yes.....	557.85		50.00			607.85
2482	No.....	466.84					466.84
2483	No.....	341.18					341.18
2484	Yes.....	765.83					765.83
2485	Yes.....	437.93					437.93
2486	No.....	452.17			\$216.00		668.17
2487	Yes.....	360.03				50.00	410.03
2488	Yes.....	791.84					791.84
2489	Yes.....	371.09					371.09
2490	Yes.....	517.17					517.17
2491	Yes.....	464.93					464.93
2492	Yes.....	662.43			404.40		1,066.83
2493	Yes.....	1,018.48					1,018.48
2494	Yes.....	808.28				65.00	873.28
2495	Yes.....	286.33				42.60	328.93
2496	No.....	512.53					512.53
2497	Yes.....	531.23					531.23
2498	Yes.....	250.00		290.00			540.00
2499	No.....	1,782.98					1,782.98
2500	No.....	426.77					426.77
2501	No.....	495.00				15.00	510.00
2502	Yes.....	200.00			180.00		380.00
2503	No.....	448.00			192.00		640.00
2504	Yes.....	145.00					145.00
2505	No.....	450.00		405.00			855.00
2506	Yes.....	454.00					454.00
2507	No.....	460.00		160.00			620.00
2508	No.....	485.00					485.00
2509	No.....	475.00		85.00		40.00	600.00
2510	No.....	646.00		441.20			1,087.20
2511	No.....	410.00		615.00			1,025.00
2512	Yes.....	160.00		260.00			420.00
2513	Yes.....	385.00					385.00
2514	Yes.....	380.00				48.00	428.00
2515	No.....	384.00					384.00
2516	No.....	530.27					530.27
2517	Yes.....	465.00					465.00
2518	No.....	500.00		241.71			741.71
2519	No.....	516.00					516.00
2520	No.....	400.00		225.00			625.00
2521	No.....	467.71					467.71
2522	No.....	520.00		530.00			1,050.00
2523	No.....	720.00					720.00
2524	Yes.....	660.92		1,397.85			2,058.77
2525	No.....	708.81					708.81
2526	No.....	507.43					507.43
2527	No.....	520.00					520.00
2528	Yes.....	375.00		305.00			680.00
2529	Yes.....	300.00		475.00		109.50	884.50
2530	Yes.....	393.27			216.00		609.27

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2531	No.....	\$470.00					\$470.00
2532	Yes.....	455.00					455.00
2533	No.....	285.00			\$45.00		330.00
2534	No.....	469.00				\$59.00	528.00
2535	No.....	490.00					490.00
2536	No.....	530.00		\$795.00			1,325.00
2537	No.....	350.00		1,050.00			1,400.00
2538	No.....	480.00					480.00
2539	No.....	440.00					440.00
2540	No.....	510.00					510.00
2541	No.....	400.00		190.00	204.00		794.00
2542	No.....	270.00		400.00			670.00
2543	No.....	300.00		500.00		18.25	818.25
2544	Yes.....	375.00					375.00
2545	No.....	360.00					360.00
2546	Yes.....	410.00					410.00
2547	Yes.....	571.00					571.00
2548	Yes.....	443.00		65.00			508.00
2549	No.....	380.00		288.00			668.00
2550	No.....	358.28					353.28
2551	No.....	445.76					445.76
2552	No.....	300.00			400.00		700.00
2553	No.....	290.00		580.00		20.00	890.00
2554	No.....	450.00		325.00			775.00
2555	No.....	225.00		390.00			615.00
2556	No.....	325.00		300.00			625.00
2557	No.....	158.00				350.00	508.00
2558	No.....	750.00					750.00
2559	No.....	440.00		280.00			720.00
2560	No.....	360.00		1,080.00			1,440.00
2561	No.....	315.00		100.00			415.00
2562	No.....	380.00		444.00			824.00
2563	Yes.....	546.00			408.00	360.00	1,314.00
2564	Yes.....	425.00		555.00	182.00	84.00	1,246.00
2565	Yes.....	360.00		704.00		72.00	1,136.00
2566	No.....	420.00				20.00	440.00
2567	No.....	448.00					448.00
2568	No.....	365.00		132.00			497.00
2569	No.....	480.00		53.00			533.00
2570	No.....	450.00				10.00	460.00
2571	No.....	218.00		400.00			618.00
2572	Yes.....	440.00					440.00
2573	No.....	438.00					438.00
2574	No.....	468.00					468.00
2575	No.....	480.00				24.00	504.00
2576	No.....	480.00				72.00	552.00
2577	No.....	325.00					325.00
2578	No.....	320.00		150.00	192.00		662.00
2579	No.....	350.00					350.00
2580	No.....	490.00		610.00			1,100.00
2581	No.....	330.00		330.00			660.00
2582	No.....	522.12		20.00			542.12
2583	Yes.....	350.00		205.00			555.00
2584	No.....	609.00		217.00			826.00
2585	No.....	445.62		445.62			891.24
2586	Yes.....	399.64		399.63			799.27
2587	No.....	500.00					500.00
2588	Yes.....	527.00					527.00
2589	No.....	375.00		375.00			750.00
2590	No.....	540.00			96.00		636.00
2591	No.....	380.00			120.00		500.00
2592	No.....	367.23					367.23
2593	No.....	402.50					402.50
2594	No.....	188.19		192.00	482.00	45.00	907.19
2595	Yes.....	704.69				56.00	760.69
2596	Yes.....	542.50					542.50
2597	No.....	500.00				150.00	650.00
2598	No.....	317.89		115.00	192.00	120.00	744.89
2599	No.....	211.60		330.00		24.00	565.60
2600	No.....	544.23					544.23
2601	No.....	319.65		96.00		100.00	515.65
2602	No.....	305.86		104.00		270.00	679.86
2603	No.....	435.14			192.00	164.86	792.00
2604	No.....	600.00					600.00

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					
		Occupation of—			Board and lodging.	Other sources.	Total
		Husband.	Wife.	Children.			
2605	Yes.....	\$302.09		\$308.47			\$610.56
2606	No.....	185.90		220.76			406.66
2607	No.....	401.44					401.44
2608	No.....	463.20		95.34			558.54
2609	No.....	290.47					290.47
2610	No.....	151.51		185.28			336.79
2611	No.....	370.56					370.56
2612	No.....	290.47					290.47
2613	No.....	139.81		540.65			680.46
2614	No.....	319.52					319.52
2615	No.....	198.14			\$111.38		309.52
2616	No.....	190.40		99.96			290.36
2617	No.....	325.58		74.26	21.42		421.26
2618	No.....	339.29					339.29
2619	No.....	357.47			17.14		374.61
2620	No.....	258.47		178.50	205.63		642.60
2621	No.....	323.68			111.38		435.06
2622	No.....	261.80		154.70			416.50
2623	No.....	138.04		308.45		\$12.85	459.34
2624	No.....	308.45		317.03			625.48
2625	No.....	269.89			334.15		604.04
2626	No.....	285.60			51.41		337.01
2627	No.....	118.81				38.56	157.37
2628	No.....	238.00					238.00
2629	No.....	214.20					214.20
2630	No.....	285.60		22.85		17.85	326.30
2631	No.....	228.48					228.48
2632	No.....	293.22				334.15	627.37
2633	No.....	384.45					384.45
2634	No.....	486.65		224.35			711.00
2635	No.....	506.12		202.45			708.57
2636	No.....	350.39					350.39
2637	No.....	384.45					384.45
2638	No.....	423.39					423.39
2639	No.....	340.66		260.84			601.50
2640	No.....	379.59		212.18			591.77
2641	No.....	326.06		369.85			695.91
2642	No.....	326.06		489.57			815.63
2643	No.....	418.52		170.33			588.85
2644	No.....	413.65					413.65
2645	No.....	326.06		200.26			536.32
2646	No.....	326.06		48.67			374.73
2647	No.....	316.81		155.73			472.54
2648	No.....	485.65		48.67			534.32
2649	No.....	478.64					478.64
2650	No.....	329.20		63.26			392.46
2651	No.....	578.00					578.00
2652	No.....	349.45					349.45
2653	No.....	171.30		243.33			414.63
2654	No.....	346.01					346.01
2655	No.....	375.43					375.43
2656	No.....	400.22					400.22
2657	No.....	374.88					374.88
2658	No.....	407.35					407.35
2659	No.....	442.85		608.31			1,051.16
2660	No.....	269.00					269.00
2661	No.....	315.84		227.75			543.59
2662	No.....	325.55					325.55
2663	No.....	292.31		326.06			618.37
2664	No.....	486.65		107.07			593.72
2665	No.....	253.06		243.33			496.39
2666	No.....	253.06					253.06
2667	No.....	381.25		157.88			539.13
2668	No.....	332.99					332.99
2669	No.....	418.52					418.52
2670	No.....	379.59		126.53			506.12
2671	No.....	417.55		218.26			635.81
2672	No.....	379.59		880.84		58.40	1,318.83
2673	No.....	506.12					506.12
2674	No.....	417.55		97.94			515.49
2675	No.....	389.32					389.32
2676	No.....	384.45					384.45
2677	No.....	301.72					301.72
2678	No.....	379.59					379.59



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2679	No.....	\$363. 77					\$363. 77
2680	No.....	408. 79					408. 79
2681	No.....	452. 34					452. 34
2682	No.....	413. 65		\$166. 68			580. 33
2683	No.....	413. 65				\$48. 67	462. 32
2684	No.....	347. 95					347. 95
2685	No.....	560. 54					560. 54
2686	No.....	506. 12					506. 12
2687	No.....	406. 84					406. 84
2688	No.....	326. 87					326. 87
2689	No.....	401. 49		114. 36			515.85
2690	No.....	309. 67					309. 67
2691	No.....	253. 06		194. 66			447. 72
2692	No.....	291. 02					291. 02
2693	No.....	388. 91					388. 91
2694	No.....	311. 46					311. 46
2695	No.....	417. 55		172. 92			590. 47
2696	No.....	408. 79					408. 79
2697	No.....	521. 20		293. 09			814. 29
2698	No.....	389. 32		48. 67			437. 99
2699	No.....	431. 78					431. 78
2700	No.....	457. 45					457. 45
2701	No.....	330. 92		452. 58			783. 50
2702	No.....	379. 59		282. 26			661. 85
2703	No.....	311. 46					311. 46
2704	No.....	298. 88					298. 88
2705	No.....	243. 73		707. 58			951. 31
2706	No.....	286. 88					286. 88
2707	No.....	379. 59		379. 59			759. 18
2708	No.....	355. 25					355. 25
2709	No.....	445. 45					445. 45
2710	No.....	328. 49				24. 33	352. 82
2711	No.....	417. 55		125. 43			542. 98
2712	No.....	311. 46					311. 46
2713	No.....	379. 59		146. 00			525. 59
2714	No.....	351. 85					351. 85
2715	No.....	389. 32		253. 06			642. 38
2716	No.....	446. 18					446. 18
2717	No.....	392. 24					392. 24
2718	No.....	379. 59		180. 79		29. 20	598. 58
2719	No.....	354. 28					354. 28
2720	No.....	442. 85					442. 85
2721	No.....	442. 85					442. 85
2722	No.....	506. 12		340. 65			846. 77
2723	No.....	413. 65					413. 65
2724	No.....	403. 92				24. 33	428. 25
2725	No.....	389. 32					389. 32
2726	No.....	316. 32					316. 32
2727	No.....	535. 32		150. 86		19. 47	705. 65
2728	No.....	389. 32			\$63. 26		452. 58
2729	No.....	321. 19		253. 06			574. 25
2730	No.....	340. 66					340. 66
2731	No.....	291. 99		136. 26			428. 25
2732	No.....	379. 59					379. 59
2733	No.....	291. 99		583. 98			875. 97
2734	No.....	388. 35					388. 35
2735	No.....	525. 58					525. 58
2736	No.....	520. 72					520. 72
2737	Yes.....	379. 59		569. 38			948. 97
2738	No.....	462. 64					462. 64
2739	No.....	476. 57		248. 84			725. 41
2740	No.....	330. 54		334. 87			665. 41
2741	No.....	515. 65					515. 65
2742	No.....	417. 55		420. 46			838. 01
2743	No.....	272. 52	\$131. 40				403. 92
2744	No.....	328. 98					328. 98
2745	No.....	341. 63					341. 63
2746	No.....	419. 74					419. 74
2747	No.....	428. 74					428. 74
2748	No.....	436. 53					436. 53
2749	No.....	446. 01		182. 49			628. 50
2750	No.....	334. 00		380. 19			714. 19
2751	No.....	408. 79				4. 87	413. 66
2752	No.....	340. 66					340. 66

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## C.—SOURCES OF INCOME—Concluded.

Bud- get num- ber.	Own house.	Income from—				
		Occupation of—			Board and lodging.	Other sources.
		Husband.	Wife.	Children.		
2753	No.....	\$412.88		\$629.96		
2754	No.....	527.24				\$1,042.84
2755	No.....	328.49		50.13		527.24
2756	No.....	457.45				378.62
2757	No.....	525.58		97.33		457.45
2758	No.....	330.92				622.91
2759	No.....	379.59		832.17		330.92
2760	No.....	379.59		316.32		1,211.76
2761	No.....	202.45		301.73		695.91
2762	No.....	408.79		48.67		504.18
2763	No.....	379.59				457.46
2764	No.....	340.66		202.45		379.59
2765	No.....	330.92		437.99		543.11
2766	No.....	408.79		121.66		768.91
2767	No.....	285.10			\$151.83	530.45
2768	No.....	466.15				436.93
2769	No.....	488.76				466.15
2770	No.....	421.07				488.76
2771	No.....	392.85				421.07
2772	No.....	370.05		223.86		392.85
2773	No.....	252.69		75.92		593.91
2774	No.....	385.02		350.39		328.61
2775	No.....	346.11		170.33		735.41
2776	No.....	306.99		291.99		516.44
2777	No.....	307.97		58.40		598.98
2778	No.....	239.35		126.53	151.83	266.37
2779	No.....	332.58		97.33		517.71
2780	No.....	274.14				429.91
2781	No.....	292.31		224.35		274.14
2782	No.....	302.41				516.66
2783	No.....	253.06				302.41
2784	No.....	202.45				253.06
2785	No.....	223.86				202.45
2786	No.....	506.12				223.86
2787	No.....	357.20				506.12
2788	No.....	260.35				357.20
2789	No.....	261.57				260.35
2790	No.....	278.48				261.57
2791	No.....	379.30		506.12		278.48
2792	No.....	350.39				885.42
2793	No.....	247.89		265.71		350.39
2794	No.....	303.67				513.60
2795	No.....	476.92				303.67
2796	No.....	379.59			569.37	476.92
2797	No.....	535.32				948.96
2798	No.....	506.12		150.86		535.32
						656.98

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)

[For continuation of expenditures of these families, see page 1036, *et seq.*]

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2037		\$30.00		\$20.00		\$15.00			60	\$8.00		
2098		20.00		35.00		15.00	40	\$8.00	150	15.00	90	\$22.50
2099		60.00		36.00		12.00	50	10.00	190	19.00	6	1.50
2100		60.00		54.00		12.00	60	12.00	190	19.00	180	45.00
2101				36.00			40	8.00	120	12.60	40	12.00
2102		40.00		28.50			30	6.00	140	14.00	6	1.80
2103		30.00		12.50		13.00			150	15.80		
2104		40.00		49.00			60	12.00	190	19.00	60	18.00
2105		10.00		20.00		26.00	20	3.00	60	6.00	14	4.20
2106		25.00				16.00	36	7.20	100	10.00	56	16.80
2107		40.00		18.00		12.00			130	13.00	75	22.50
2108		40.00		16.00		15.00	40	6.00	150	15.00	70	17.50
2109		25.00		6.00		15.00	20	4.00	120	12.00	30	7.50
2110		25.00		26.00			40	8.00	150	15.00		
2111		36.00		10.00		12.00	60	10.80	120	10.00	50	15.00
2112		36.00		20.00		16.00	60	9.00	150	15.00	70	21.00
2113		60.00		66.00					200	20.00	75	18.75
2114				39.00		20.00	40	6.00	120	12.00		
2115		20.00		16.00		20.00			70	7.00	40	10.00
2116		20.00		16.00		18.00			160	16.00	25	6.00
2117		16.00		40.00			35	7.00	120	12.00	4	1.00
2118		15.00		26.00			35	7.00	120	12.00	50	15.00
2119		30.00		28.00		10.00	60	12.00	160	16.00		
2120		30.00		6.00		20.00			125	12.50		
2121		16.00		15.00		20.00	25	5.00	135	13.50		
2122		12.00		12.00		20.00	25	5.00	100	10.00		
2123		15.00		18.00		16.00	30	6.00	100	10.00	25	6.25
2124		12.00		4.00		18.00	25	5.00	90	9.00		
2125		12.00		20.00		10.00	30	6.00	100	10.00	60	15.00
2126		36.00		38.00		6.00	50	10.00	140	14.00	75	18.75
2127		35.00		12.00			50	10.00	70	7.00	50	7.50
2128		25.00		33.00			40	8.00	100	10.00	90	27.00
2129		18.00		30.00		15.00	35	7.00	180	18.00	8	2.00
2130		18.00		31.00		4.00	25	5.00	100	10.00		
2131		18.00		10.00		20.00		1.20	100	10.00	10	2.50
2132		10.00		6.00		18.00	30	6.00	100	10.00		
2133		10.00		39.00			35	7.00			50	12.50
2134		20.00		16.00		20.00	30	6.00	160	16.00	3	.90
2135		20.00		5.00		16.00			120	10.00	28	8.40
2136		16.00		30.00		12.00	40	8.00	125	12.50	30	7.50
2137		16.00		10.00		20.00	30	6.00	120	12.00	6	1.80
2138		18.00		28.00			30	6.00			25	6.25
2139		15.00		10.00		20.00	25	6.25	100	10.00	12	3.00
2140		40.00		40.00			40	6.00	120	12.00		
2141		50.00		40.00			70	10.00	160	16.00	80	24.00
2142		30.00		7.00		16.00	30	6.00			6	1.80
2143		40.00		12.00					100	10.00	50	15.00
2144		36.00		18.00		10.00	50	10.00	140	14.00	12	3.60
2145		30.00		31.50		12.00	30	6.00	100	10.00	100	25.00
2146		50.00		50.00			30	5.40	50	6.25	70	17.50
2147		36.00		12.00		55.00	60	12.00	170	17.00	75	18.75
2148		40.00		36.00					200	20.00		
2149		12.00		8.00		15.00	40	8.00	60	6.00	48	22.00
2150		60.00		15.00		45.00	100	18.00	180	18.00	240	60.00
2151		20.00		15.00		25.00	30	8.00	200	20.00	90	25.00
2152		56.00		25.00		15.00	60	9.00	200	20.00	300	75.00
2153		15.00		15.00		20.00	30	6.00	60	6.00	70	21.00
2154		25.00		40.00		5.00	50	10.00	150	15.00	100	25.00
2155		12.00		40.00		6.00	35	7.00	150	15.00		
2156		18.00		45.00					100	10.00		
2157												
2158					600	50.00						12.60
2159					336	28.00					120	15.00
2160					422	36.00		17.00				25.00
2161					600	50.00		38.40				18.25
2162					480	40.00		15.00				14.80
2163					432	36.00		18.00			144	18.00
2164					274	21.87		3.00			100	12.50
2165					300	25.00		5.50				14.50
2166					325	27.12		1.50				5.00
2167					300	25.00		2.00				2.00
2168					480	40.00		10.00			160	20.00
2169					450	37.50		5.00			104	13.00



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2170					600	\$50.00						
2171						52.00		\$7.00		\$3.00		\$15.60
2172					187	15.60						21.60
2173					416	38.00		15.00				25.00
2174					408	34.00						
2175					480	40.00						26.00
2176					600	50.00						16.40
2177					576	48.00		6.40				12.50
2178						40.00		12.00				8.20
2179					432	36.00						16.50
2180						20.00		12.00				7.60
2181					258	21.50		9.75				8.40
2182					240	20.00		8.00				13.80
2183						18.00						4.50
2184					480	40.00						9.00
2185					600	50.00		12.00				15.00
2186					288	24.00		13.25				11.80
2187					480	40.00		6.50				8.00
2188					504	42.00		6.75				12.00
2189					288	24.00		3.80				4.60
2190					360	30.00		5.00				14.40
2191					540	45.00		12.00				
2192					300	25.00						12.96
2193						125.00	182	27.30	240	24.00	138	27.50
2194					1,200	120.00	78	15.60	168	16.80	117	23.40
2195					600	60.00	80	12.00	120	12.00	300	60.00
2196					480	49.00	104	15.60			118	23.45
2197			\$50.00		100	10.00					156	31.20
2198					720	72.00		3.60				
2199					600	60.00	78	15.60			72	14.40
2200					960	96.00				12.00		
2201					400	40.00			100	10.00	75	15.00
2202					600	60.00		3.00			118	23.45
2203					670	67.00						
2204					250	25.00	104	15.60		16.00	72	14.40
2205					840	84.00				20.00	30	6.00
2206					600	60.00				9.00		
2207					465	46.50						
2208					325	32.50				10.40	125	25.00
2209					600	60.00						
2210					375	37.50				9.00		
2211					450	45.00		8.75			112	22.40
2212					250	25.00	125	18.75		10.00	75	15.00
2213					500	50.00				6.00		
2214					400	40.00				12.00		
2215					500	50.00			150	15.00	104	20.80
2216					1,250	100.00						12.00
2217						48.00	150	22.50	160	16.00	208	40.16
2218					980	98.00	120	18.00	25	2.50	200	30.00
2219					450	45.00	40	6.00	90	9.00	190	24.00
2220			875	70.00	300	30.00						
2221					1,296	129.60	250	37.44			260	39.00
2222					450	54.00	107	23.40	100	10.00	107	23.40
2223					400	48.00	85	12.00			32	7.80
2224				45.00	216	25.00						
2225				50.00	125	15.00						
2226					500	60.00			120	12.00	156	31.20
2227					634	76.00	65	9.75	93	9.30	144	35.00
2228					426	51.00	30	4.50	50	5.00	100	25.00
2229					625	75.00	40	6.00	75	7.50	192	43.00
2230					360	36.00	45	0.75	50	5.00	75	18.75
2231					400	48.00	20	3.00	47	4.70	85	21.25
2232					783	95.00	78	11.70	100	10.00	56	14.00
2233					542	65.00			50	5.00	120	24.00
2234			25.00		500	60.00						
2235			21.00		300	36.00	114	15.96				
2236					1,200	100.00	36	5.40	240	24.00	288	43.20
2237					500	50.00	133	20.00		6.00	108	21.60
2238					300	30.00	120	18.00	100	10.00	90	18.00
2239					600	60.00			120	12.00	98	19.50
2240					500	50.00	48	7.20	180	18.00	39	7.80
2241			784	78.40	200	20.00						
2242					520	52.00			120	12.00	211	41.60

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2243			750	\$60.00	250	\$25.00	26	4.00	150	\$15.00	144	\$21.60
2244				15.00		15.00	111	15.60				
2245					700	84.00				24.00		
2246					250	30.00	39	7.80	60	6.00	39	7.80
2247				30.00	200	20.00					98	15.60
2248					600	72.00	156	31.20			120	24.00
2249					600	72.00	32	7.80			72	10.80
2250				20.00	333	40.00	104	15.60				
2251					800	96.00	104	15.60	152	20.00	144	36.00
2252					585	70.00	30	4.50	90	9.00	104	26.00
2253					650	78.00			72	7.20	96	24.00
2254					625	75.00	30	5.40			144	36.00
2255					1,225	98.00					150	30.00
2256					681	73.00	82	12.30	90	9.00	144	33.12
2257					350	42.00	37	5.50	60	6.00	90	22.00
2258				15.00	500	60.00	25	3.50	65	5.85	144	28.80
2259					500	60.00	28	5.06	50	4.50	84	16.80
2260				14.00	625	75.00			45	4.05	97	19.40
2261					700	84.00	50	9.00	25	2.25	100	22.00
2262					120	12.00		7.80			60	12.00
2263					300	30.00		5.00	80	8.00	78	15.60
2264					1,296	129.60	116	17.38			220	48.00
2265					1,150	115.00	24	3.60	25	2.50	240	36.00
2266					720	72.00	160	24.00			128	19.20
2267					350	42.00	50	10.00	120	12.00	192	28.80
2268			437	35.00	1,800	180.00	150	24.00				
2269					216	26.00	100	15.00			86	13.00
2270					750	90.00	75	15.00	120	12.00	200	40.00
2271			250	20.00	208	25.00	72	10.80			101	15.60
2272					1,209	145.00	312	40.56	200	20.00		
2273					800	96.00	100	15.00	110	11.00	212	46.64
2274				20.00	300	36.00					75	18.75
2275					600	72.00	156	23.40	96	9.60	192	42.24
2276					400	48.00	52	7.80	75	9.00	96	24.00
2277					1,041	125.00	160	24.00	240	24.00	336	84.00
2278					500	60.00	45	6.75	60	6.00	100	25.00
2279				15.00	762	91.25						
2280					300	72.00	35	4.25	60	7.20	120	30.00
2281					450	54.00	40	6.00	50	5.00	90	22.50
2282				16.20	400	48.00	20	3.60	40	4.00	96	19.20
2283				12.00	583	70.00	15	2.70	40	3.60	85	17.00
2284					480	48.00	96	14.40		12.00	18	3.60
2285					750	75.00					78	15.60
2286					240	24.00	152	22.90	80	8.00	50	10.00
2287					600	60.00	78	15.60		12.00	120	24.00
2288					1,440	144.00	320	48.00			330	66.00
2289					750	75.00	100	15.00	150	15.00	108	21.60
2290				40.00	750	75.00	192	38.50			193	38.50
2291					850	85.00			50	5.00	225	33.75
2292			250	20.00	120	12.00			80	8.00	80	12.00
2293					240	24.00	33	5.00			72	10.80
2294				40.00	720	72.00	145	23.45			156	31.20
2295					300	36.00	57	11.50	60	6.00	50	10.00
2296						75.00						
2297						55.00						
2298						72.00						
2299						48.00						
2300						48.00						
2301						19.23					104	26.00
2302						110.00					156	46.80
2303						75.00				7.50		33.00
2304						42.00			60	6.00	104	26.00
2305						60.00			40	4.30	154	46.20
2306						95.00				5.20	56	39.00
2307						24.00			50	5.00	65	16.25
2308						91.00					130	32.50
2309						27.00					110	27.50
2310						65.00				6.04		39.00
2311						52.00					90	27.00
2312						40.00						
2313						52.00					78	15.60
2314						58.00	75	9.00		13.00	156	39.00
2315						78.00			312	31.20	208	51.00

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2316						\$84.00				\$6.00		\$36.40
2317						86.00				3.50	104	26.00
2318				\$36.00		78.00				7.25		18.20
2319						225.00				13.00	84	21.00
2320						101.50				55	6.50	39.00
2321						68.00				6.50	156	26.00
2322						48.71				60	6.00	27.50
2323			234	28.09		65.00				65	5.25	5.25
2324						65.45				3.37	85	25.50
2325						36.00	52	\$7.80			130	26.00
2326						84.00				10.08		31.20
2327						65.00				7.20	78	15.60
2328						60.00		15.60	72	7.92	156	28.08
2329						24.79		4.00		3.50	76	15.20
2330						98.00	104	15.60	72	8.64		48.00
2331						66.80					104	20.40
2332						36.00			104	12.48	130	26.00
2333						48.00				6.00		20.80
2334						60.00		6.00		7.92	156	31.20
2335						35.00			104	10.40		10.00
2336						74.45			39	4.15		21.40
2337						25.00				5.20	104	15.60
2338						50.00	169	18.59			208	40.60
2339						52.00				10.40	104	20.80
2340						36.00				8.64		39.00
2341						62.00				8.64	156	31.20
2342						60.00	104	15.60	120	12.00	96	19.20
2343						105.00			72	7.20		
2344						54.00		6.24		9.00		18.00
2345						78.00					260	62.50
2346						48.00				18.00		
2347						80.00			60	7.50	72	18.00
2348						84.00				10.60		22.00
2349						65.00						23.00
2350						39.00			72	8.64		1.35
2351						42.00						39.00
2352						108.00						52.00
2353						90.00						
2354						48.00				8.00		30.00
2355						84.72		11.06		1.18	156	39.00
2356						30.00				7.80		31.20
2357						48.00				6.00	104	26.00
2358						60.00					156	46.80
2359			10.62			104.24		4.40		3.21		35.40
2360			9.69			82.60				3.37		45.00
2361						57.00					104	26.00
2362						150.00						
2363						35.20					60	18.00
2364						23.00						5.00
2365			13.40			52.00				5.75		12.30
2366			7.20			8.40				7.80	52	10.40
2367						36.00				11.50	52	10.40
2368						51.79						
2369						65.00					208	41.60
2370						25.00						13.00
2371						32.00				7.15		
2372						42.00				6.00	24	6.00
2373						78.00						31.00
2374						52.00			108	11.88		
2375			11.00			68.00			120	14.40	208	41.60
2376						64.00					107	26.75
2377						60.00					120	30.00
2378						24.00				6.00	96	24.00
2379						168.00			168	20.16	104	26.00
2380						52.00			104	10.40	130	29.00
2381						47.00			50	5.00	91	22.30
2382						52.00			52	5.20	78	19.50
2383						65.00		20.00			104	20.80
2384						46.00					104	20.80
2385						112.00						
2386						78.00	80	16.00	52	5.20	104	11.88
2387						91.50			40	6.50	126	25.20
2388						65.00			125	12.50	140	28.00



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (I.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2389						\$160.00					520	\$104.00
2390						84.00		\$10.40		\$12.00		
2391						81.00				7.20		
2392						40.00					120	30.00
2393						90.10				8.00		
2394					730	87.60		12.00	156	19.50	96	28.00
2395				\$18.00		60.00		8.45	104	10.40	112	22.40
2396						76.00					96	24.00
2397						48.00					144	36.00
2398						36.00					96	24.00
2399						75.00					96	24.00
2400						60.00					96	26.32
2401						50.00				4.00	72	14.40
2402						156.00			260	26.10	130	26.00
2403						71.95				8.20		37.80
2404						72.00	72	7.92	84	10.08	156	31.20
2405						156.00	92	11.96			260	52.00
2406						60.00		4.90				36.00
2407						48.00				7.00		26.00
2408						46.20				5.20		6.00
2409				12.00		96.00				15.60		
2410						73.60				6.00		21.00
2411						36.00				4.80	72	14.40
2412						80.00				11.00		13.00
2413				11.86	1,370	164.43	70	9.82			480	58.32
2414						45.80				6.00		2.00
2415						95.00				12.00		
2416						36.00				6.00	104	20.80
2417						120.00						66.00
2418					416	52.00	52	5.72			104	20.40
2419						50.40						20.80
2420						182.00		24.00		13.00	260	52.00
2421					693	88.00	156	31.20	120	14.40	156	31.20
2422						48.00					40	10.00
2423						78.00					24	6.00
2424						26.00						12.00
2425						34.00			78	6.50	78	23.40
2426						182.50						52.80
2427						52.00				6.50	38	14.50
2428						72.00	208	31.20			104	26.00
2429						51.00						36.00
2430						48.00					96	24.00
2431						50.20					208	62.40
2432						112.00				6.00		32.00
2433						60.00					104	31.20
2434						125.00						
2435						26.00				13.00	78	19.75
2436						78.00			225	22.50	52	13.00
2437						89.50		12.00	95	7.60	104	26.00
2438						50.00					52	10.40
2439						84.00				14.00		
2440					1,100	110.00			104	12.48	208	52.00
2441						52.00				7.50	52	10.40
2442					730	87.60			156	15.60		23.00
2443						48.50				2.40		
2444				16.05		172.00					126	39.00
2445						84.00				9.50		24.50
2446						01.30				5.20		12.00
2447						61.00				11.80		
2448						96.00						
2449						88.00						
2450						115.00						
2451				5.30		24.00			35	3.50	110	19.50
2452						71.00				6.00		12.00
2453						48.00				7.92	52	13.00
2454						109.00						
2455						78.00						26.00
2456						75.00				3.25	90	22.50
2457				20.50		25.00						
2458						36.00			80	8.00	72	15.84
2459						72.00	156	18.72	104	10.40	156	39.00
2460						125.00						
2461						75.00			36	2.88	78	17.94

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2462						\$24.00						
2463						62.00		\$29.03				\$19.65
2464						52.00			60	\$5.40		
2465						36.00					60	15.00
2466						120.00				11.70	312	78.00
2467						25.00				10.40		26.00
2468						72.00						12.00
2469						48.00						26.00
2470						120.00						
2471						60.00						42.24
2472						36.00				8.40		
2473						72.00						13.00
2474						78.00					208	62.40
2475						86.43					80	24.00
2476						52.00				4.45		11.50
2477				\$13.00		55.00				19.50		10.04
2478						60.00						10.00
2479						85.00				18.70		
2480				29.00		30.00					104	26.00
2481				39.00		92.00					110	47.30
2482						39.00					52	13.00
2483				15.00		60.00					52	13.50
2484						26.00						
2485						81.85				7.50		
2486						75.00				13.00		45.00
2487						68.90				5.40		
2488						25.00						
2489				13.12		87.47				5.09		7.50
2490						36.62		0.25				4.44
2491						29.40				8.95		
2492						167.44		12.24		19.80		36.83
2493						145.00				9.20		
2494						104.00		10.76				
2495						65.00						
2496					670	56.50	92	17.40				
2497						84.00				8.30	104	26.00
2498						60.80						
2499						260.00			100	11.00	260	65.00
2500						71.00						21.00
2501						62.00		19.18			52	13.25
2502						36.00			104	12.48	104	26.00
2503						120.00			120	15.00	260	65.00
2504						6.95						13.00
2505						104.00				12.00	208	52.00
2506						70.00				5.28	60	15.00
2507						78.00					120	24.00
2508						48.00					60	12.00
2509						35.00				3.50		
2510					2,190	273.75					312	62.40
2511						120.00		18.00				72.00
2512						60.00					104	22.88
2513				10.00		45.00						
2514						45.00						
2515						42.00						
2516						96.00		10.00		6.50	52	13.00
2517						50.00						20.80
2518						104.00				11.00		
2519						72.00				11.00		
2520						72.00				11.50		13.80
2521						60.00						30.00
2522						120.00				14.40		48.00
2523						80.60						39.00
2524						287.00			208	20.80		
2525						154.00					240	48.00
2526						78.00			76	7.60	120	31.00
2527						41.00				7.20	153	31.20
2528						72.00		4.00	60	7.50	260	52.00
2529						120.00		41.60				
2530						78.00						36.40
2531						48.00				6.00	52	13.00
2532						72.00				6.00		26.00
2533						36.00				5.72		31.20
2534						60.00				8.40	104	20.80

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Budget num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2535						\$36.00		\$12.00				\$48.00
2536					1,460	192.50				\$26.00	520	104.00
2537						180.00				30.00	416	84.20
2538						75.00				7.20		35.00
2539						48.00						14.40
2540						112.00					84	16.80
2541						139.00		15.00			208	41.60
2542						84.00		12.00			156	39.00
2543					859	107.55		11.01	104	12.48	204	36.72
2544						60.00						
2545						36.00						28.80
2546						48.00				8.00	96	24.00
2547						84.00					96	28.80
2548						55.80				5.28		38.00
2549						82.21			156	15.60		36.50
2550						25.60						17.75
2551						108.00					85	17.00
2552						120.00			96	10.56	300	75.00
2553						84.00						
2554						84.00			96	9.60	260	57.20
2555						48.00		15.60	104	10.40		26.00
2556						72.00				12.00		34.32
2557						36.00				4.32	104	20.80
2558						72.00		24.00				
2559						72.00	109	11.00	96	10.56	180	36.00
2560						178.50	109	11.99			212	42.40
2561						45.00		2.50		9.80	156	31.20
2562						121.25				12.00	260	52.00
2563						120.00				18.00		60.00
2564						120.00	150	18.00		22.00	312	62.40
2565						148.00				15.60		78.00
2566						60.00			116	11.60	156	39.00
2567						60.00			96	9.60	156	31.20
2568					308	37.60					104	20.80
2569						84.00				7.20	208	41.60
2570						72.00			48	5.28	120	24.00
2571						48.00	72	8.60		11.00	156	31.20
2572						48.00		8.00				5.00
2573						48.00	48	5.76	24	2.88	156	31.20
2574						72.00		11.40		10.40	126	25.20
2575					400	42.00	36	5.04	60	7.20	156	31.20
2576						72.00				12.00	208	20.80
2577						41.00					148	31.00
2578					730	91.25				7.92	208	40.80
2579						39.00				15.60		31.20
2580						84.00		19.00			312	78.00
2581						48.00	104	15.60			208	37.44
2582						50.90		11.10	104	10.40		
2583						96.85			208	20.80		
2584					1,095	109.50			111	8.88	263	57.86
2585						62.00	52	6.24	104	9.36	156	39.00
2586				\$12.00	378	37.80		7.80	120	12.00	156	34.32
2587						60.00			60	6.00	104	20.80
2588				43.15		36.00		11.48				36.00
2589						104.00			100	12.00	260	55.00
2590						132.10				24.00	208	41.60
2591					1,095	120.45			120	13.80	156	28.08
2592						65.00					104	44.96
2593						65.00					78	23.40
2594				650	79.76		79	11.17	116	11.00	208	41.60
2595						75.00			48	5.28	120	30.00
2596						10.00						
2597					517	62.00	40	6.00	94	9.40	110	33.00
2598					569	68.00	100	15.00			107	26.75
2599					480	48.00	15	2.25	72	7.20		
2600					600	72.00	56	8.40	85	8.50	106	21.20
2601					720	72.00	104	15.60	80	8.00	182	49.17
2602					410	41.00	60	9.00	50	5.00	110	33.00
2603					1,500	180.00	102	15.30	120	12.10		35.00
2604					630	63.00	44	6.60	70	7.00	112	28.00
2605	182	\$26.35									192	55.58
2606	156	27.10						2.32			234	63.23
2607	312	48.18	104	9.03			56	9.03			208	56.20



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2608	312	\$54.19						\$2.90			182	\$49.17
2609	182	28.11	104	\$9.03			56	9.03	52	\$8.03	78	22.58
2610	320	46.32							60	9.84	300	37.64
2611	266	46.32							24	3.71	172	38.60
2612	120	16.21		3.47				.39	36	5.55	200	57.90
2613					450	\$69.48			56	12.05	300	81.06
2614	120	18.53							36	5.55	144	30.00
2615					365	61.29						22.27
2616					156	25.99					52	16.09
2617		22.27		16.18							130	35.58
2618		11.14		40.50					104	14.86		
2619						71.40		4.76				16.66
2620		57.12		33.32								
2621	550	78.54						7.14	156	22.27	180	25.70
2622	78	12.14	52	5.13				7.14	104	14.86	78	22.27
2623	558	71.40		8.35			26	4.33			130	35.58
2624				23.80	260	43.32		4.64				35.70
2625		23.80		123.76			78	12.75			174	47.60
2626		11.14		25.99							96	21.93
2627						34.27						11.42
2628						28.56						12.38
2629						12.85						17.14
2630						29.75				13.57		
2631						32.37						17.14
2632						171.36						64.26
2633				12.65		63.26		12.65	52	6.33	52	12.65
2634				18.98		113.88		18.98	104	12.65	104	25.30
2635				31.63		126.53		18.98	70	8.52	110	26.76
2636				12.65		50.62		6.33	52	6.33	52	12.65
2637				12.65		63.26		12.65	52	6.33	78	18.98
2638				12.65		56.94		12.65	52	6.33	52	12.65
2639				18.98		101.22		18.98	52	6.33	52	12.65
2640				12.65		88.57		25.30	104	12.65	78	18.98
2641				25.30		126.53		12.65	70	8.52	150	36.50
2642				37.96		126.53		25.30	104	12.65	156	37.96
2643				12.65		88.57		12.65	104	12.65	150	36.50
2644				25.30		75.92		6.33	70	8.52	70	17.03
2645				12.65		75.92		12.65	104	12.65	104	25.30
2646				12.65		63.26		12.65	52	6.33	52	12.65
2647				18.98		88.57		9.49	26	3.16	104	25.30
2648				13.98		101.22		12.65	30	3.65	104	25.30
2649				25.30		75.92		12.65	26	3.16	78	18.98
2650				12.65		63.26		6.33	30	3.65	75	18.25
2651				12.65		88.57		12.65	26	3.16	104	25.30
2652				12.35		50.62		7.30	52	6.33	52	12.65
2653				12.65		63.26		6.33	52	6.33	104	25.30
2654				12.65		63.26		6.33	26	3.16	52	12.65
2655				18.98		37.96		6.33	20	2.43	78	18.98
2656				12.65		63.26		6.33	20	2.43	104	25.30
2657				18.98		63.26		6.33	26	3.16	104	25.30
2658				12.65		56.94		6.33	20	2.43	52	12.65
2659				18.98		107.55		12.65	40	4.87	150	37.96
2660				12.65		37.96		3.16	52	6.33	52	12.65
2661				18.98		88.57		6.33	40	4.87	78	18.98
2662				12.65		50.62		6.33	40	4.87	52	12.05
2663				18.98		88.57		12.65	52	6.33	104	25.30
2664					260	42.18		7.91	26	3.16	78	19.47
2665				25.31		88.57		12.65	104	12.65	104	25.31
2666				12.65		31.63			26	3.16	52	12.65
2667						101.22		12.65	26	3.16	156	37.96
2668				12.65		37.96		4.87	104	12.65	52	12.65
2669				12.65		63.26		6.33	26	3.16	78	18.98
2670				14.60		69.59		12.65	60	7.30	60	14.60
2671				25.31		113.88		12.65	52	6.33	156	37.96
2672				50.61		151.83		18.98	104	12.65	312	75.92
2673				7.30		75.92		12.55	80	9.73	70	17.03
2674				25.31		101.22		6.33	78	9.49	208	50.61
2675				25.31		31.63		6.33	52	6.33	52	12.65
2676				12.65		50.61		6.33	52	6.33	60	14.60
2677				7.30		31.63		6.33	40	4.87	40	9.73
2678						22.14		5.84	52	6.33		
2679				12.65		75.92			20	2.43	104	25.31
2680				12.65		31.63		6.33	26	3.16	78	18.98

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2681				\$18.98		\$101.22		\$6.33	52	\$6.33	104	\$25.31
2682				18.98		101.22		12.65	52	6.33	104	25.31
2683			26	3.16	208	29.36		6.33			78	22.51
2684				18.98		63.26		6.33	26	3.16	78	18.98
2685				25.31		88.57		6.33			104	25.31
2686				14.60		75.92		12.65	78	9.49	78	18.98
2687				25.31		37.96		6.33	52	6.33	78	18.98
2688				12.65		44.29		6.33	26	3.16	78	18.98
2689				18.98		63.26		6.33	52	6.33	78	18.98
2690						63.26		6.33	26	3.16	52	12.65
2691				9.73		50.61		7.30	40	4.87	52	12.65
2692				12.65		50.61		6.33	52	6.33	52	12.65
2693				18.98		44.29			26	3.16	104	25.31
2694				9.73		44.29		6.33	40	4.87	52	12.65
2695			104	16.87		88.57		12.65			156	37.96
2696				9.73		53.77		12.65	72	8.76	62	12.57
2697				25.31		113.88		12.65	60	7.30	152	36.91
2698			104	12.65		31.63		12.65	52	6.33	104	25.36
2699				37.96		56.94		6.33	52	6.33	52	12.65
2700				7.30		63.26		9.73	80	9.73	60	14.60
2701						126.53					208	50.61
2702			78	11.07	312	44.29		15.82	104	12.65	78	21.90
2703				7.30		44.29		4.87	52	6.33	52	12.65
2704						44.29			26	3.16	52	12.65
2705				37.96		151.83		18.98	52	6.33	208	50.61
2706				12.65		63.26		6.33	26	3.16	78	18.98
2707				25.31		101.22		6.33	52	6.33	104	25.31
2708				6.33		44.29		6.33	60	7.30	52	12.65
2709				18.98		75.92		6.33	104	12.65	52	12.65
2710				12.65		63.26		6.33	26	3.16	78	18.98
2711				25.31		101.22			52	6.33	156	37.96
2712				7.30		41.12		6.33	40	4.87	40	9.73
2713			52	6.33	400	58.40		12.65			104	37.96
2714				18.98		50.61		6.33	52	6.33	52	12.65
2715				14.60		63.26		12.65	70	8.52	50	12.17
2716						88.57		6.33	26	3.16	104	25.31
2717				18.98		50.61		6.33	52	6.33	52	12.65
2718				17.03		82.24		14.60	80	9.73	80	19.47
2719				25.31		37.96			52	6.33	52	12.65
2720						88.57		6.33	52	6.33	78	18.98
2721				18.98		88.57		6.33	26	3.16	104	25.31
2722				25.31		88.57		18.98	52	6.33	104	25.31
2723			52	7.38	208	31.63		12.65	52	6.33	52	14.60
2724				21.90		50.61		6.33	60	7.30	52	12.65
2725			26	3.16	208	29.36		6.33			78	22.51
2726				25.31		37.96		6.33	26	3.16	52	12.65
2727			52	6.33	520	84.35		12.65			104	31.63
2728						38.93		9.73	104	12.65		
2729				25.31		88.57		12.65	104	12.65	52	12.65
2730				12.65		50.61		6.33			52	12.65
2731				12.65		63.26		6.33	26	3.16	52	12.65
2732				12.65		25.31		6.33	26	3.16	52	12.65
2733				25.31		126.53		25.31	42	6.33	156	37.96
2734			180	21.90		55.48		7.79	50	6.08	75	18.25
2735				17.03		63.26		14.60	100	12.17	60	14.60
2736				9.73		60.59		12.65	52	6.33	70	17.03
2737				50.61		50.61		9.73	104	12.65		
2738				18.98		69.59			18	2.19	104	25.31
2739				25.31		139.18		12.65	52	6.33	156	37.96
2740				25.31		126.53		12.65	52	6.33	156	37.96
2741				18.98		88.57		6.33	100	12.17	104	25.31
2742			250	30.42	728	132.86			26	3.16	208	58.40
2743			51	7.30		37.96	17	4.14	38	6.08	67	16.30
2744			78	11.44		37.96					26	6.33
2745				18.98		63.26	17	5.11			52	12.65
2746				9.49		74.01		6.33				18.98
2747			104	12.65		44.29	26	6.33			26	6.33
2748				12.65		63.26	26	6.33			104	25.31
2749				18.98		63.26	25	6.08			52	12.65
2750						126.53		12.65	70	8.52	104	25.31
2751			26	3.16	208	29.36		6.33			78	22.51
2752				9.73		50.61		12.65	70	8.52	40	9.73

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Concluded.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2753				\$37.96		\$151.83		\$12.65	52	\$8.33	208	\$50.61
2754				25.31		101.22		12.65	52	6.33	156	37.96
2755						25.31		18.98	52	6.33	52	12.65
2756				7.30		50.61		12.65	60	7.30	52	12.65
2757				18.98		94.90			52	6.33	78	18.98
2758				25.31		50.61		6.33			52	12.65
2759			156	18.98	520	84.35		16.79			104	31.63
2760				25.31		113.88		18.98	104	12.65	104	25.31
2761				37.96		75.92		9.73	200	24.33	75	18.25
2762			52	6.33	400	55.96		12.65			104	31.63
2763				12.65		63.26		18.98	52	6.33	52	12.65
2764				25.30		113.88		18.98	70	8.52	104	25.30
2765				25.30		126.53		25.30	104	12.65	156	37.96
2766				25.30		49.64		6.33	26	3.16	104	25.30
2767				4.87		63.26		12.65			156	37.96
2768				25.30		50.62		9.73	26	3.16	52	12.65
2769				12.65		63.26		6.33	26	3.16	52	12.65
2770				31.63		31.63		6.33	30	3.65	78	18.98
2771						75.92		6.33	26	3.16	78	18.98
2772				25.30		101.22		12.65	52	6.33	156	37.96
2773				12.65		37.96		4.87	26	3.16	78	18.98
2774				37.96		126.53		17.03	78	9.49	208	50.62
2775				12.65		101.22		12.65	26	3.16	104	25.30
2776				18.98		88.57		12.65	30	3.65	156	37.96
2777				25.30		50.62			52	6.33	78	18.98
2778				14.60		88.57		12.65	26	3.16	104	25.30
2779				12.65		69.59		6.33	30	3.65	78	18.98
2780				12.65		44.29		6.33	20	2.43	52	12.65
2781				18.98		88.57		12.65	30	3.65	156	37.96
2782				12.65		37.96		6.33	20	2.43	52	12.65
2783				12.65		63.26		3.16	12	1.46	52	12.65
2784				12.65		31.63		6.33	26	3.16	26	6.33
2785				6.33		37.96					40	9.73
2786				25.30		50.62		6.33	26	3.16	78	18.98
2787						56.94		6.33	26	3.16	52	12.65
2788				12.65		37.96			26	3.16	52	12.65
2789				12.65		44.29			26	3.16	52	12.65
2790				18.98		37.96			26	3.16	52	12.65
2791				12.65		139.18		12.65	104	12.65	156	37.96
2792				12.65		63.26		6.33	26	3.16	78	18.98
2793				18.98		75.92		6.33		4.87	104	25.30
2794				12.65		69.59					52	12.65
2795				25.31		63.26		14.60	80	9.73	80	19.47
2796			104	12.65		97.33		12.65			156	47.45
2797				8.52		68.13		9.73	80	9.73	60	14.60
2798			52	6.33	520	84.35		6.33			104	31.63



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (2.)

[For conclusion of expenditures of these families, see page 1046, *et seq.*]

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2097	14	\$7.00	26	\$7.80	300	\$28.00	3	\$1.95	4	\$4.00		\$3.10	
2098			50	15.00	200	20.00	8	5.20	10	10.00			
2099			65	16.25	200	20.00			6	6.00			
2100			96	24.00	370	37.00	6	4.20	18	16.00	\$6.00		\$7.50
2101	12	6.00	12	3.60	350	35.00			10	10.00	10.00	5.00	4.50
2102			40	12.00	200	19.00	6	3.00	6	6.00	12.00		
2103			50	15.00	250	22.50	6	3.90	14	15.00			
2104	6	3.00	48	14.40	320	32.00	15	9.75		1.00			9.00
2105			90	22.50	250	22.50	18	10.80	3	3.00			
2106			48	14.40	120	9.60	2	1.40	6	6.00	6.00		
2107	26	13.00	14	4.20	250	22.50			15	12.00		2.16	
2108	12	6.00	30	9.00	300	27.00	5	3.25	8	8.00	10.00		
2109	2	1.00	34	10.20	200	19.00	3	1.50	8	8.00	4.00		
2110	6	3.00	50	12.50	260	26.00	2	1.20	2	2.00	6.00		
2111			38	11.40	200	20.00			5	5.00		4.25	3.00
2112	12	6.00	38	11.40	250	22.50	8	5.20	6	6.00		4.00	18.00
2113	6	3.00	150	37.50	400	38.00	14	8.40	12	12.00		2.50	
2114	12	6.00	20	6.00	200	20.00			6	6.00			
2115	26	13.00	6	1.50	300	28.00					6.00		
2116	6	3.00	90	22.50	250	25.00			6	6.00	12.00		
2117	3	1.50	48	12.00	160	16.00	4	2.40					6.00
2118			30	9.00	250	25.00	4	2.50	12	12.00			
2119	2	1.00	50	12.50	250	25.00	8	5.20	3	3.00			
2120	6	3.00	75	18.75	300	30.00			20	20.00	6.00	2.25	
2121	3	1.50	48	12.00	200	20.00	4	2.00	12	12.00			3.00
2122			48	12.00	200	20.00	4	2.00	6	6.00			
2123	6	3.00	40	10.00	250	25.00	2	1.00	12	12.00			4.50
2124			6	1.50	150	15.00	5	3.25	6	6.00			3.00
2125	6	3.90	16	4.80	160	16.00	2	1.20	6	6.00			12.00
2126	6	3.00	75	18.50	400	40.00	10	6.50	20	20.00			
2127			38	11.40	150	15.00	4	2.60	16	16.00			3.00
2128	12	6.00	50	12.50	200	20.00	7	3.50	14	14.00			
2129	2	1.00	48	12.00	160	16.00	4	2.60	6	6.00			
2130			30	7.50	160	16.00			3	3.00			
2131			48	12.00	165	16.50	4	2.00	12	12.00			
2132	3	1.50	70	21.00	160	16.00	2	1.00	6	6.00			
2133	2	1.20	50	15.00	300	30.00	4	2.00	12	12.00			4.50
2134	6	3.90	15	4.50	170	17.00	2	1.30	4	4.00	5.00		3.75
2135	4	2.50	28	8.40	160	16.00			12	12.00			
2136			48	12.00	160	16.00	10	6.00	12	12.00			
2137	5	2.50	14	3.50	160	16.00	4	2.00					
2138	6	3.00			180	18.00	6	3.00	12	12.00			
2139			90	22.50	180	18.00	3	1.50	2	2.00			3.00
2140	12	7.20	50	15.00	300	30.00	8	4.80	4	4.00	12.00		
2141	12	6.00	42	12.60	300	28.50	6	3.90	16	16.00		1.80	
2142	20	10.00	36	10.80	200	20.00	4	2.80	3	2.80			
2143	26	13.00	14	4.20	200	16.00	12	6.00	15	12.00		4.41	
2144	26	13.00	26	7.80	400	37.50			10	10.00			
2145	4	2.00	60	18.00	300	30.00	4	2.40	9	8.10			4.00
2146	12	6.00	120	30.00	400	40.00	6	4.20	12	12.00			
2147	6	3.90	75	18.75	350	35.00			15	12.00			3.00
2148	36	21.60	26	7.80	400	38.00	8	4.00	13	12.50			
2149			48	14.40	100	10.00			16	16.00			8.00
2150	60	30.00			600	60.00	6	3.00	30	30.00	20.00		
2151	28	14.00	3	.90	500	45.00			3	3.00	5.00		
2152	56	28.00	2	.60	400	38.00			25	20.00			9.75
2153	26	13.00			300	30.00	4	2.00	12	12.00			
2154	30	15.00	20	5.00	300	30.00	6	3.00	12	12.00			
2155			60	15.00	230	23.00	3	1.50	2	2.00			
2156	6	3.00	14	7.20	150	15.00	3	1.50	6	3.00			
2157													
2158			58	14.40	288	24.00				8.00			
2159			24	6.00		7.50				7.20			
2160			48	12.00	180	15.00			24	6.00			8.00
2161		6.00	60	15.00	288	24.00			32	8.00			5.00
2162				7.50		10.00				3.00			
2163			48	12.00	144	12.00			12	3.60			
2164			24	6.00	96	8.00							3.00
2165		3.00	24	6.00						4.00			5.20
2166			48	12.00		13.80				4.50			2.00
2167			45	11.25	156	13.00				3.00			
2168			48	12.00	180	15.00			24	6.00			7.80
2169			36	9.00	144	12.00			24	6.00			5.00

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2170			48	\$12.00	144	\$12.00							
2171		\$3.25		13.00		26.00		\$1.00		\$2.00			\$8.00
2172			24	6.00	96	8.00							6.50
2173		6.00	48	12.00	200	16.50				5.00			8.00
2174			48	12.00	240	20.00				5.00			
2175			48	12.00	216	18.00				7.20			2.80
2176			60	15.00	240	20.00				6.00			8.40
2177			34	8.50	120	10.00				8.00			
2178				6.00		12.00				5.60			8.00
2179						12.00				3.50			
2180		5.40		6.00		8.00							7.20
2181			24	6.00	100	9.00				4.50			
2182			24	6.00	100	8.40				6.50			7.20
2183				3.00		5.00				3.00			
2184			32	8.00		10.00				6.00			
2185			40	10.00	144	12.00				6.00			8.00
2186			48	12.00	144	12.00				3.50			5.00
2187			54	13.50	168	14.00				6.00			
2188			48	12.00	216	18.00				6.00			5.00
2189			24	6.00	96	8.00				3.50			
2190			48	12.00	162	13.50				4.80			6.00
2191			48	12.00	180	13.50							
2192			24	6.00	90	7.50							6.00
2193	24	12.00	85	24.00	300	24.00		7.20	52	26.00			8.00
2194	6	3.00	48	13.44	300	24.00			25	15.00			18.00
2195	6	3.00	72	20.16	188	15.00		3.60		12.00			12.00
2196	12	7.20	48	13.44	175	15.00				15.00			5.00
2197	10	5.00	48	13.44	263	21.00		2.00		9.00			
2198	3	1.80	48	13.44	300	24.00				5.00			
2199	24	12.00	24	6.72	300	24.00		6.00		7.20			
2200	5	3.00	48	13.44	300	24.00		14.40	20	12.00			
2201	24	12.00			150	12.00				6.00			
2202			48	13.44	325	26.00		8.00	26	18.00			3.00
2203	18	14.40	36	9.72		30.00		2.40	12	7.20			
2204	3	2.40	12	3.24		9.00			12	4.80			6.00
2205			48	12.96		6.00	3	1.50		12.00			
2206			72	19.44		12.00							
2207	4	3.20	36	9.72		24.00	12	6.00					
2208	4	3.20	24	6.48		12.00	12	6.00		3.00			
2209	6	4.80	36	9.72		18.00	12	6.00	6	3.00			
2210			44	12.00		18.00	12			12.00			
2211			24	6.48		15.00				12.00			
2212			24	6.48		9.00			10	5.00			
2213	6	4.80	48	12.96		15.00	6	3.60					
2214	12	9.60	24	6.48		12.00	12	6.00	10	5.00			
2215	2	1.00	60	16.20		24.00							
2216	6	3.60	48	12.96		18.00	15	9.00	14	7.00			
2217	12	7.20	6	1.62		24.00	12	7.20	10	5.00			
2218	6	3.00	24	6.00	252	21.00			15	7.50			
2219	12	6.00	27	6.75	216	18.00	5	3.00		2.00			1.00
2220	30	15.00	12	3.00	360	30.00	8	4.80	24	12.00			
2221	24	12.00		1.50	216	18.00	12	7.20	16	8.00			1.00
2222	12	7.20	48	12.96	225	18.00							9.60
2223	24	12.00	6	1.62	150	12.00		3.00					10.00
2224			60	16.20	375	30.00		7.20					
2225	4	2.00	24	6.48	325	26.00							
2226	24	14.40			188	15.00		2.40					9.00
2227	12	7.80	35	8.85	160	16.00	4	2.00	3	1.65			18.25
2228	5	3.25	25	6.25	124	12.40	3	3.00				\$3.50	18.25
2229	12	7.80	34	8.50	260	26.00	2	1.50	25	15.60		8.32	18.25
2230	3	1.95	25	6.25	85	8.50	2	1.00	8	4.00		2.08	2.60
2231	4	2.00	20	5.00	70	7.00	5	2.50	8	4.00			3.00
2232	7	3.50	80	20.00	200	20.00	3	2.25	35	17.50			
2233	6	3.00	10	2.50	95	7.50	2	1.00	15	7.50			10.01
2234	6	3.60	48	12.00	192	15.36	6	3.00				6.90	
2235	18	9.00	36	9.00	400	36.00	1	.60					
2236	6	3.00	82	12.50	712	36.00		5.00	15	7.50			
2237	12	6.00	24	6.72	300	24.00				6.00			18.25
2238	12	6.00	24	6.72	225	18.00				7.20			10.00
2239	12	6.00	24	6.72	300	24.00			24	12.00	\$6.00		9.00
2240	12	6.00	24	6.72	150	12.00			12	9.60			3.60
2241	24	12.00	9	2.25	288	24.00	6	3.60		6.00			
2242	18	9.00			144	12.00		1.80					

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2243	24	\$12.00	12	\$3.00	324	\$7.00	4	\$3.20	.....	\$8.00	.....	.....	\$3.00
2244	12	3.96	.....	.....	85	6.00	.....	.....	.....	.....	.....	.....	.....
2245	12	6.00	24	6.48	300	24.00	.....	6.00	.....	.....	.....	.....	.....
2246	8	5.00	18	5.00	150	12.00	.....	.....	.....	.....	.....	.....	6.00
2247	12	6.00	10	2.40	120	7.20	.....	.....	.....	.....	.....	.....	6.00
2248	24	14.40	36	9.72	300	24.00	.....	2.40	.....	.....	.....	.....	6.50
2249	6	3.00	24	6.48	300	24.00	.....	.....	24	9.60	.....	.....	.....
2250	12	6.00	2	.54	.....	24.00	.....	.....	.....	.....	.....	.....	.....
2251	36	18.00	.....	.....	240	24.00	2	2.00	36	18.00	.....	.....	15.00
2252	6	3.95	35	8.75	108	10.80	3	2.25	12	6.00	.....	.....	9.10
2253	18	9.00	24	6.00	150	15.00	1	1.00	.....	.....	\$4.00	.....	10.00
2254	12	6.00	10	2.50	225	19.12	2	1.00	.....	.....	.....	\$7.35	2.88
2255	4	2.40	48	12.96	.....	24.00	12	7.20	24	12.00	.....	.....	5.00
2256	12	6.00	50	12.50	140	14.00	5	2.50	24	12.00	.....	7.90	9.10
2257	4	2.00	30	7.50	100	10.00	1	.75	.....	.....	.....	.....	.....
2258	12	6.00	48	12.00	225	18.00	.....	.....	.....	.....	.....	8.00	8.40
2259	12	7.20	32	8.00	90	7.20	4	2.00	16	8.00	.....	3.00	12.00
2260	.....	.....	.....	.....	125	10.00	3	1.50	.....	.....	5.00	2.50	9.00
2261	5	2.50	36	9.00	165	13.20	2	1.00	.....	.....	.....	2.00	3.00
2262	24	6.00	24	6.72	150	12.00	.....	.....	12	6.00	.....	.....	3.00
2263	12	6.00	12	3.36	225	18.00	.....	.....	.....	2.00	.....	.....	24.00
2264	24	12.00	12	3.00	288	24.00	12	7.20	20	10.00	.....	.....	.....
2265	24	12.00	.....	.....	288	24.00	5	3.00	10	5.00	.....	.....	3.00
2266	24	12.00	12	3.00	360	30.00	.....	7.20	12	6.00	.....	.....	2.60
2267	12	7.20	48	12.96	225	18.00	.....	1.50	.....	1.00	.....	.....	12.00
2268	.....	.....	72	18.00	640	38.40	.....	.....	.....	.....	.....	.....	.....
2269	12	6.00	12	3.24	150	12.00	.....	.....	.....	.....	.....	.....	.....
2270	12	7.20	24	6.48	300	24.00	.....	.....	.....	.....	.....	.....	.....
2271	12	6.00	36	9.72	150	12.00	.....	4.20	9	4.50	.....	.....	9.00
2272	60	30.00	24	6.00	470	47.00	.....	.....	.....	.....	.....	.....	.....
2273	20	14.00	25	6.25	250	25.00	2	1.00	.....	.....	.....	8.50	.....
2274	12	6.00	48	12.00	325	32.50	.....	.....	48	24.00	5.00	11.50	36.50
2275	12	6.00	92	23.00	142	17.00	6	3.00	36	16.20	.....	10.00	.....
2276	12	6.00	60	15.00	120	12.00	.....	.....	.....	.....	.....	.....	9.10
2277	96	48.00	70	19.60	720	72.00	.....	.....	72	43.20	.....	12.00	2.50
2278	12	7.80	30	7.50	120	12.00	.....	.....	12	6.00	.....	5.04	5.00
2279	24	14.40	12	3.36	266	24.00	.....	.....	.....	.....	7.00	15.00	.....
2280	8	5.20	46	11.25	112	11.20	.....	.....	20	10.00	.....	1.60	10.00
2281	4	2.60	30	7.50	100	10.00	1	1.00	8	4.00	.....	.....	9.10
2282	6	3.00	36	9.00	267	21.36	12	6.00	.....	.....	.....	.....	12.00
2283	3	1.50	15	3.75	115	9.20	3	1.50	.....	.....	.....	1.75	5.00
2284	8	4.00	12	3.36	75	6.00	.....	3.60	30	12.00	.....	.....	10.00
2285	12	6.00	6	1.68	150	12.00	.....	3.00	.....	9.00	.....	.....	18.00
2286	.....	.....	35	10.00	300	24.00	.....	.....	.....	10.00	.....	.....	18.00
2287	12	6.00	.....	.....	225	18.00	.....	.....	20	12.00	.....	.....	18.00
2288	48	24.00	72	20.16	750	60.00	.....	.....	.....	18.72	.....	.....	10.00
2289	12	6.00	24	6.72	225	18.00	.....	.....	30	12.00	.....	.....	18.00
2290	36	18.00	.....	.....	300	24.00	.....	.....	20	12.00	.....	.....	5.00
2291	24	12.00	.....	.....	216	18.00	5	3.00	12	6.00	.....	.....	3.00
2292	12	6.00	.....	.....	.....	9.00	6	3.60	5	2.50	.....	.....	.....
2293	24	12.00	.....	.....	144	12.00	.....	2.00	.....	3.00	.....	.....	.....
2294	24	12.00	100	24.96	800	48.00	.....	.....	.....	10.00	.....	.....	6.50
2295	12	7.20	24	6.48	90	7.20	.....	.....	.....	.....	.....	.....	7.00
2296	.....	14.40	.....	13.00	.....	18.00	.....	.....	.....	21.00	.....	.....	.....
2297	.....	10.00	.....	13.25	.....	15.50	.....	.....	.....	17.50	.....	.....	.....
2298	.....	1.50	48	12.00	.....	24.00	.....	.....	.....	15.00	.....	.....	.....
2299	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
2300	.....	.....	52	13.25	.....	12.00	.....	.....	24	14.40	.....	.....	.....
2301	.....	2.70	.....	7.25	.....	25.34	.....	11.55	.....	27.15	.....	.....	18.25
2302	.....	.....	95	23.75	.....	26.00	.....	.....	12	7.50	.....	.....	10.95
2303	15	7.50	40	10.00	.....	30.00	.....	.....	50	25.00	.....	.....	.....
2304	12	9.60	24	6.00	.....	6.00	.....	.....	13	6.50	.....	.....	.....
2305	12	7.20	27	6.75	.....	23.00	.....	.....	25	15.00	.....	.....	.....
2306	13	6.50	52	13.00	.....	19.00	.....	.....	5	2.50	.....	.....	.....
2307	11	5.50	39	9.75	.....	17.00	.....	.....	4	2.00	.....	.....	.....
2308	13	7.80	78	19.50	.....	26.00	.....	.....	38	19.00	.....	.....	6.72
2309	2	1.30	52	13.28	.....	27.00	.....	.....	2	1.50	.....	.....	.....
2310	.....	6.50	.....	9.00	.....	26.00	.....	.....	45	22.50	.....	.....	.....
2311	26	13.00	52	14.04	.....	14.75	.....	.....	19	11.40	.....	.....	.....
2312	6	3.60	52	13.00	.....	45.00	.....	.....	.....	.....	.....	.....	.....
2313	8	4.80	55	13.75	.....	13.00	.....	.....	3	1.50	.....	.....	.....
2314	13	7.80	48	12.00	.....	26.00	13	5.20	19	13.30	.....	.....	.....
2315	4	2.00	78	19.50	.....	26.00	.....	.....	20	9.50	.....	.....	.....



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2316	-----	\$3.60	48	\$12.00	-----	\$28.00	-----	-----	12	\$6.00	-----	-----	-----
2317	6	3.00	52	13.00	-----	23.00	-----	-----	-----	-----	-----	-----	-----
2318	-----	-----	61	15.08	103	9.00	-----	\$2.50	12	6.00	-----	-----	\$14.60
2319	16	8.00	156	39.00	-----	20.00	26	7.80	26	12.50	-----	-----	-----
2320	11	6.50	91	22.75	-----	26.00	-----	-----	10	5.00	-----	-----	-----
2321	13	6.50	78	19.50	-----	19.50	-----	-----	13	6.50	-----	-----	-----
2322	12	8.40	13	3.90	-----	6.00	-----	-----	6	3.00	-----	-----	-----
2323	-----	2.00	51	12.88	-----	17.61	-----	1.92	-----	1.21	-----	-----	-----
2324	13	5.20	23	8.30	213	17.75	5	3.15	9	4.54	-----	-----	12.16
2325	-----	-----	-----	-----	-----	6.00	-----	-----	12	7.20	-----	-----	9.00
2326	-----	12.00	-----	-----	-----	24.00	-----	-----	-----	6.00	-----	-----	12.00
2327	-----	6.00	-----	3.20	-----	18.00	-----	-----	-----	6.00	-----	-----	-----
2328	18	10.80	30	7.50	-----	15.00	-----	7.20	12	6.00	-----	-----	18.25
2329	-----	-----	-----	-----	-----	8.00	-----	-----	8	4.80	-----	-----	6.00
2330	12	6.00	48	12.80	-----	39.00	-----	-----	-----	9.00	-----	-----	21.60
2331	-----	-----	-----	-----	-----	18.00	-----	-----	-----	12.00	-----	-----	18.25
2332	-----	7.20	-----	12.00	-----	12.00	-----	-----	-----	7.20	-----	-----	7.00
2333	-----	-----	-----	-----	-----	20.00	-----	-----	-----	8.00	-----	-----	-----
2334	-----	6.00	-----	-----	-----	18.00	-----	-----	-----	6.00	-----	-----	-----
2335	-----	5.00	-----	6.60	-----	8.00	-----	4.20	-----	9.00	-----	-----	18.25
2336	-----	-----	-----	-----	-----	-----	17	6.70	6	3.60	-----	-----	9.12
2337	4	1.20	52	14.04	-----	6.25	-----	-----	-----	-----	-----	-----	7.28
2338	14	8.40	24	6.48	312	24.00	-----	-----	9	4.50	-----	-----	7.80
2339	-----	2.00	36	10.08	-----	16.00	-----	6.00	-----	2.40	-----	-----	18.25
2340	-----	9.00	-----	-----	-----	12.00	-----	-----	-----	7.20	-----	-----	12.00
2341	-----	-----	-----	-----	-----	18.00	-----	-----	-----	11.40	-----	-----	18.00
2342	12	7.20	36	9.00	240	21.00	-----	-----	-----	-----	-----	-----	-----
2343	-----	3.00	-----	6.00	-----	12.00	-----	-----	12	9.60	-----	-----	-----
2344	-----	6.00	-----	3.60	-----	18.00	-----	-----	-----	7.20	-----	-----	-----
2345	-----	6.00	48	12.96	-----	18.00	-----	-----	12	7.20	-----	-----	18.00
2346	-----	9.00	12	2.04	-----	18.00	-----	-----	18	10.80	-----	-----	-----
2347	-----	-----	-----	12.00	-----	13.84	-----	-----	12	6.00	-----	-----	15.36
2348	-----	-----	-----	12.00	-----	12.00	-----	-----	-----	-----	-----	-----	18.25
2349	5	2.50	16	4.16	-----	20.50	-----	-----	14	7.00	-----	-----	-----
2350	-----	6.70	-----	12.00	-----	13.00	-----	-----	-----	3.50	-----	-----	-----
2351	-----	6.00	-----	7.20	-----	18.00	-----	-----	-----	18.00	-----	-----	-----
2352	-----	6.00	-----	9.00	-----	28.00	-----	-----	-----	16.00	-----	-----	16.00
2353	-----	8.60	-----	15.00	-----	48.00	-----	-----	-----	16.00	-----	-----	-----
2354	-----	-----	-----	-----	-----	18.00	-----	-----	-----	12.00	-----	-----	18.00
2355	3	1.20	48	12.96	-----	7.50	-----	-----	-----	22.60	-----	-----	12.00
2356	-----	-----	-----	13.00	-----	20.80	-----	-----	-----	5.00	-----	-----	13.00
2357	-----	6.00	-----	3.80	-----	14.75	-----	-----	-----	8.90	-----	-----	6.00
2358	12	6.00	4	1.20	145	16.00	-----	-----	7	7.00	-----	-----	3.00
2359	4	2.36	54	13.46	-----	40.94	-----	2.25	-----	-----	-----	-----	-----
2360	6	2.05	31	7.92	-----	19.29	-----	-----	-----	-----	-----	-----	18.25
2361	24	14.40	-----	-----	-----	48.00	-----	-----	12	9.60	-----	-----	-----
2362	-----	9.00	-----	12.00	-----	48.00	-----	-----	-----	36.00	-----	-----	-----
2363	-----	-----	-----	-----	-----	9.00	-----	9.00	-----	-----	-----	-----	-----
2364	-----	-----	-----	-----	-----	18.00	-----	12.00	-----	-----	-----	-----	-----
2365	-----	6.50	-----	7.80	-----	39.00	-----	-----	-----	-----	-----	-----	-----
2366	-----	-----	-----	6.76	-----	14.50	-----	-----	4	2.00	-----	-----	-----
2367	22	15.60	-----	-----	-----	26.00	-----	-----	5	2.50	-----	-----	-----
2368	5	2.53	70	18.34	-----	19.24	-----	-----	-----	-----	-----	-----	-----
2369	-----	-----	48	12.96	-----	18.00	-----	-----	-----	-----	-----	-----	18.25
2370	-----	-----	78	19.50	-----	6.25	-----	-----	39	19.50	-----	-----	-----
2371	-----	9.00	48	12.96	-----	12.00	-----	-----	12	6.00	-----	-----	-----
2372	12	6.00	60	14.20	-----	12.00	-----	-----	12	7.20	-----	-----	-----
2373	-----	6.00	48	13.96	-----	15.00	-----	-----	-----	6.00	-----	-----	-----
2374	48	24.00	-----	-----	-----	36.00	-----	-----	-----	27.00	-----	-----	-----
2375	-----	6.00	-----	14.20	-----	18.00	-----	-----	-----	13.00	-----	-----	-----
2376	-----	6.00	-----	7.80	-----	12.00	-----	-----	-----	9.00	-----	-----	8.00
2377	-----	9.00	-----	-----	-----	12.00	-----	-----	-----	7.80	-----	-----	12.00
2378	24	9.60	6	1.80	-----	12.00	-----	7.00	-----	9.60	-----	-----	-----
2379	-----	19.20	-----	11.52	-----	52.00	-----	-----	-----	13.00	-----	-----	-----
2380	-----	9.60	-----	-----	-----	18.00	-----	-----	-----	19.00	-----	-----	6.72
2381	13	6.50	-----	-----	-----	17.50	-----	-----	12	4.80	-----	-----	-----
2382	13	6.50	-----	-----	-----	19.50	-----	-----	12	5.50	-----	-----	-----
2383	52	20.80	-----	7.25	-----	36.00	-----	-----	36	21.60	-----	-----	-----
2384	26	13.00	4	1.00	-----	26.00	-----	-----	12	6.00	-----	-----	-----
2385	56	19.60	-----	-----	-----	36.00	-----	-----	30	15.00	-----	-----	-----
2386	13	6.50	18	4.71	-----	13.00	-----	-----	7	5.60	-----	-----	-----
2387	26	13.00	45	13.75	-----	13.50	-----	-----	45	27.50	-----	-----	-----
2388	25	12.00	13	3.25	-----	26.00	-----	-----	26	10.40	-----	-----	-----

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2389		\$28.80				\$60.00			13	\$7.80			\$6.00
2390		6.00		\$6.48		36.00				19.20			
2391		8.40				6.00			12	8.00			
2392	12	4.80				21.00				12.00			6.00
2393		7.20				39.00				7.00			
2394	24	12.00	24	7.20		24.00			24	14.40			24.00
2395	15	7.50	12	3.60		9.00							6.00
2396		12.00				24.00				7.20			3.00
2397		12.00				18.00				6.00			
2398		7.80		8.50		24.00				12.00			
2399						24.00		\$12.00					6.00
2400		9.00		2.00		12.00				12.00			18.25
2401		8.40				12.00				7.20			18.25
2402		14.40		18.00		48.00		12.00	30	18.00			9.12
2403		9.00		6.48		19.00				10.80			18.25
2404	24	12.00				30.00			24	12.00			9.12
2405		24.00				39.00			52	31.20			18.25
2406						18.00				11.00			12.00
2407						12.00		6.00		14.00			
2408		12.00		3.00		24.00		12.00		16.00			
2409		19.00				48.00		12.00		36.00			
2410						18.00		6.00		11.50			9.12
2411		6.00	12	3.36		12.00			12	8.00			
2412	12	6.00				12.00							
2413	49	24.50				29.35			17	9.90			
2414						18.00		3.00		3.60			
2415						36.00				20.00			
2416		6.00				12.00				4.80			9.12
2417						36.00				20.00			36.50
2418	24	14.40				15.00				8.50			9.12
2419		6.00		6.48		9.00				7.20			12.00
2420	70	35.00				28.00				18.00			
2421	13	6.99	24	6.24	195	15.00	9	5.40	12	9.00			21.00
2422	12	7.20				9.00		4.50	10	6.00			
2423	12	7.20	13	3.50		13.00			12	6.50			
2424	12	6.00	23	5.75		13.00			9	5.40			7.30
2425	12	6.50	1	.25		16.25			10	5.40			
2426	52	20.80	104	28.08		52.00			52	36.00			
2427	26	15.60		4.76		26.00			13	7.80			
2428	48	14.40	8	2.00		26.00			25	12.50			
2429		9.00		9.00		24.00				8.40			
2430	18	9.00	24	6.00		36.00			18	12.60			
2431	20	9.75		2.00		9.00			19	11.20			
2432		7.80		11.00		18.00							18.30
2433	14	8.40	10	3.00		15.00			15	9.00			18.25
2434	6	3.00	62	16.12		26.00							6.00
2435		.30	52	13.00		8.50				2.25			7.20
2436			104	26.00		30.00			50	30.00			
2437	12	7.20	52	13.00		15.60			18	9.00			14.60
2438	12	6.00				12.00				9.00			8.40
2439						12.00				12.00			
2440		4.20	52	15.20		26.00				8.00			
2441			50	13.00		26.00							
2442		3.90	106	27.04		19.00			12	6.00			
2443	6	4.80	52	13.52		12.50							18.25
2444	1	.60	78	20.28		12.00							
2445			52	13.52		13.00			10	6.00			18.25
2446		4.25	30	7.80		18.75			13	8.45			
2447		7.50		9.00		18.00				15.00			
2448		9.60		10.08		12.00				11.80			
2449	20	10.00	78	20.28		36.00				13.50			
2450	12	6.00		3.12		18.00			5	2.50			
2451			52	13.52		66.00			12	6.00			
2452						24.00				9.60			8.00
2453		12.00		6.00		12.00			12	7.20			18.20
2454	11	5.48	48	12.40	96	8.20			26	15.60			
2455	7	3.90	30	8.10		13.00			13	6.50			
2456	13	6.50	52	13.00		13.00			5	2.50			
2457			156	39.00		31.00							
2458	12	6.00	24	6.00		6.00			12	7.20			
2459	26	20.80	114	28.50		26.00			35	18.00			
2460	6	3.60	60	15.00		15.00							29.20
2461	2	1.00	26	13.00		6.50							

**TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—**  
Continued.**D.—EXPENDITURE FOR FOOD. (2.)—Continued.**

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2462			104	\$26.00		\$6.00							
2463			216	54.57		25.56			33	\$16.86			
2464	6	\$3.00	39	14.75		13.00			10	6.00			
2465			96	24.00		12.00							\$14.60
2466	26	13.00	130	32.50		39.00							26.00
2467		6.00	36	9.00		6.00			12	7.20			10.95
2468		8.40		3.12		15.00			24	14.40			
2469	12	6.00		1.50		12.00							
2470		7.20		15.00		18.00				25.00			
2471	6	3.60	48	13.25		12.00				16.80			
2472	6	3.60	48	12.48	108	6.00			12	7.20			12.00
2473		2.00		9.50		12.00				9.60			
2474	12	7.10	60	15.00		24.00			15	9.75			
2475	7	3.50	50	13.00		26.00							
2476			38	9.88		14.00	\$3.70						
2477	8	4.80	53	13.50		13.00							
2478	13	10.40	78	20.28		52.00			45	29.25			
2479	3	1.50	78	20.28		26.00							
2480	13	6.50	53	14.30		32.00							18.25
2481			52	13.52		13.00				6.00			9.10
2482	6	3.00	52	13.52		26.00			26	13.00			21.90
2483	6	3.00	52	13.32		13.00			13	7.80			9.10
2484	1	.50	52	12.52		13.00							
2485			47	12.22		17.50							
2486	13	6.50	60	15.60		13.00				12.00			13.00
2487		7.80		13.52		19.50							
2488			58	15.00		23.00		6.30	15	7.50			
2489	6	3.60	32	8.27		5.62	2.07			6.00			19.50
2490		1.10	54	13.88		16.55	3.22						
2491	5	2.74	42	10.71		15.61							
2492	26	10.40	81	20.40		36.00	5.26						
2493	3	1.50	62	15.92		35.50			5	2.25			
2494	7	3.75	42	10.52		27.50	5.82		10	6.50			
2495	13	6.50	48	12.48		24.00							
2496			52	13.52		13.00	2.08		13	18.00			
2497	4	2.40	60	15.60		23.00	4.45		15	7.50			
2498	24	12.00	52	14.04		36.00	12	7.20					
2499	36	25.20	72	18.72		60.00			36	21.60			18.65
2500	14	7.00	65	16.90		15.50							
2501		8.00		.90		12.00							8.60
2502	26	13.00	52	15.60		26.00							29.00
2503	36	25.20				36.00			35	17.50			
2504		6.00				12.25							
2505	48	24.00		6.00		52.00				21.00			21.00
2506	24	12.00	36	9.72		30.00				6.00			18.20
2507						36.00				12.00			12.00
2508		7.20				15.00				8.00			9.12
2509						15.00				12.00			
2510						36.00				29.00			24.00
2511						36.00				18.00			18.25
2512	26	18.20	78	19.50		29.00			10	5.00			
2513													
2514		11.50		13.00		30.00				17.50			
2515		7.20		13.00		18.00			10	5.00			
2516	26	13.00	26	6.76		13.00				5.00			9.10
2517						24.00				9.00			18.25
2518		6.00		9.00		18.00				12.00			
2519		11.90		7.80		12.00				6.80			
2520		9.00				24.00				18.00			
2521		6.00		8.00		15.00				6.00			12.00
2522		9.00				48.00			36	18.00			28.55
2523		12.00				36.00				16.00			18.00
2524	60	30.00	53	13.52		78.00			13	6.50			
2525	28	14.00	26	6.76		44.00			50	23.40			
2526	13	7.05				15.00	13	7.80	14	8.40			
2527	12	7.20	3	.90		15.00							3.86
2528	28	14.00				36.00			24	12.00			18.20
2529	52	31.20				22.25				12.00			
2530		12.00				24.00				12.00			12.00
2531						12.00							36.50
2532				12.00		10.00				5.00			18.25
2533						12.00				7.20			
2534		2.80		18.00		15.00				6.00			18.00



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2535						\$18.00				\$11.00			\$9.12
2536						48.00				26.00			
2537		\$12.00				84.00				40.00			24.00
2538						26.00				12.00			18.25
2539						24.00		\$6.00		8.00			
2540						27.00				9.00			18.25
2541	36	18.00				30.00			56	22.40			
2542	52	26.00				36.00			18	10.80			18.00
2543	24	14.40			253	22.75	16	9.30	17	8.45			
2544		14.40		\$12.00		18.00				7.00			
2545		6.00		6.00		12.00				9.60			9.00
2546		4.80		3.20		12.00				9.00			5.00
2547		14.40				24.00				9.60			14.60
2548		18.00				25.00				12.00			
2549	60	30.00				60.00				13.00			
2550	13	6.50		1.50		13.50			18	10.40			
2551		3.25				26.00			13	6.50			
2552	36	18.00	12	3.60		60.00				24.00			
2553	36	18.00				48.00			45	24.60			
2554		7.20	52	13.52		36.00			27	16.20			
2555	17	12.00	12	3.00		17.50				6.00			
2556		10.80	24	6.48		24.00				18.00			9.60
2557		6.00		8.40		15.00				4.00			
2558	18	10.80				12.00				9.00			
2559	12	7.20	24	6.48	676	52.00	15	9.00	30	20.60			1.00
2560	24	18.00			468	36.00			29	17.40			18.25
2561	12	7.20	24	6.48		15.00							3.60
2562		18.00			024	48.00			36	21.60			18.25
2563		12.00		6.00		52.00				30.00			
2564		12.00	12	3.60		56.00			36	16.20			
2565						52.00				30.00			36.60
2566	27	10.80	7	1.96	192	14.75			16	9.60			9.12
2567	18	10.80				19.25				7.20			22.30
2568	16	9.60			247	19.00		7.60	13	7.80			2.82
2569	18	10.80				22.60				11.85			12.00
2570		8.00		3.00		12.00				8.00			
2571		10.80				15.00			12	7.20			9.12
2572						18.00		10.40		9.00			18.25
2573	12	6.00	3	.75	84	7.76				4.80			18.25
2574						12.00				7.20			1.00
2575	24	12.00			144	12.00			12	6.00			6.00
2576	12	6.00	42	11.34		15.00				18.00			
2577										6.00			2.00
2578		16.40				28.00				7.20			12.00
2579		7.20		6.00		20.00				8.00			18.25
2580	36	21.60				36.00			24	12.00			18.25
2581		7.20	6	1.80		24.00			12	7.80			2.00
2582	36	24.00				18.00			16	9.60			
2583						36.00		12.00	30	18.00			
2584	24	12.00	12	3.60	428	36.00	24	11.52					18.25
2585	12	8.40	12	3.36		18.00			12	7.20			3.60
2586						12.00			24	14.40			18.25
2587						18.00			16	9.80			
2588						22.00		7.60	32	19.20			1.00
2589	30	21.60		6.48		36.00		9.60		19.00			
2590		12.00				26.00			24	12.00			
2591	30	21.60				24.00			24	12.00			9.12
2592	12	6.00	52	14.04		14.00			13	9.10			
2593	13	6.50	52	13.52		15.00			26	18.20			
2594	12	5.40	56	14.00	661	52.95	7	3.20	26	12.60			
2595	13	6.50	26	6.76		39.00			45	27.00			
2596			52	13.52		6.50							
2597	8	4.80	50	12.50	125	12.50	4	2.40	14	8.40		\$3.60	25.55
2598	12	4.80	75	18.75	300	24.00	6	5.00	35	17.50			9.10
2599			72	16.56	114	7.98		20.80	47	23.50			12.00
2600	6	3.60	32	8.00	120	12.00			15	7.50			10.96
2601	1	.65	52	13.00	215	21.50			12	7.20			
2602			52	13.00	130	13.00	2	1.20	12	7.20			12.74
2603			107	26.75	240	24.00	4	2.40	36	21.60			
2604	4	2.00	45	11.25	130	13.00			14	8.40		4.80	12.74
2605				21.23	24	3.24							
2606				13.05						15.05			7.05
2607				16.58	52	6.02				16.21			6.95

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2608				\$16.60	26	\$3.51				\$18.82			\$7.05
2609				15.57						2.03			10.04
2610				16.80	60	6.95				18.53			
2611			48	11.12	24	3.71				18.53			6.95
2612				11.47						13.90			14.09
2613			96	25.94	40	4.63				37.06			13.90
2614			48	12.97	24	3.02				18.53			5.79
2615										11.42			
2616													
2617													
2618										12.69			5.71
2619				8.33		2.38				24.99			
2620			24	9.99	24	2.57				6.43			
2621			36	12.85	12	1.19				6.66			
2622			50	17.85	26	2.48				13.09			8.57
2623			171	60.25						21.66			8.57
2624			26	10.20	26	4.22				23.85			
2625			130	45.80	26	2.23				21.42			
2626				12.55		5.29				31.24			
2627				16.66		2.28				8.35			5.71
2628				13.71		1.43				5.71			3.57
2629				13.71		1.19				12.85			6.85
2630				12.00		4.00				13.33			13.71
2631				8.57		.60				17.14			8.57
2632				25.70		2.28				23.80			6.66
2633	26	\$12.65			310	12.57				20.71			6.85
2634	52	25.30			520	21.09				8.96			12.65
2635	52	25.30			468	18.98				13.70			25.30
2636	26	12.65			300	12.16				10.54			25.30
2637	26	12.65			312	12.65				7.91			12.65
2638	26	12.65			312	12.65				8.48			12.65
2639	39	18.98			300	12.16				8.43			12.65
2640	39	18.98			300	12.16				9.63			18.98
2641	65	31.63			520	21.09				10.54			25.30
2642	52	25.30			520	21.09				15.82			31.63
2643	52	25.30			520	21.09				19.47			31.63
2644	50	24.33			450	18.25				16.87			15.82
2645	52	25.30			300	12.16				8.11			12.65
2646	26	12.65			312	12.65				9.33			18.98
2647	78	37.96			208	8.44	\$3.16			8.11			12.65
2648	52	25.30			400	16.22				12.65			21.09
2649	26	12.65			104	4.22		1.58		16.14			25.30
2650	30	14.60			150	6.33				8.11			16.87
2651	40	21.90			208	8.44				7.06			9.49
2652	26	12.65			156	6.33		6.33		9.13			22.15
2653	52	25.30			156	6.33				3.89			15.82
2654	26	12.65			104	4.22				6.09			15.82
2655	15	7.30	10	3.65	104	4.74				7.55			15.82
2656	26	15.82			208	8.44				7.06			12.65
2657	18	8.76	20	7.30	208	8.44				7.06			9.49
2658	20	10.95	10	3.65	208	8.44				9.97			15.82
2659	52	28.47			300	12.16		3.16		7.06			15.82
2660	30	13.38			104	4.22		3.16		14.60			21.09
2661	52	31.63	10	3.65	208	8.44		1.82		9.97			18.98
2662		12.65			156	6.33		1.22		9.97			12.65
2663	52	25.30	15	5.48	208	8.44				8.11			10.54
2664	13	6.33	13	4.38			13	0.33		10.95			18.98
2665	30	14.60			260	10.54				7.12			9.73
2666	18	8.76			104	4.22				6.08			15.82
2667	40	19.47			300	12.17				10.71			
2668	20	9.73			156	6.33				14.03	\$12.65		21.09
2669	26	12.65			208	8.44				9.73			25.31
2670	33	16.06			300	12.17				8.11			
2671	52	28.47			308	12.49				7.30			18.98
2672	52	25.31	30	10.95	520	21.09				11.92		18.98	25.31
2673	30	14.60			360	14.60				19.95			31.63
2674	40	21.90			312	12.65				9.73			22.39
2675	26	12.65			312	12.05				14.11			18.98
2676	26	12.65			312	12.05				14.11			0.73
2677	13	6.33			156	6.33				6.33			18.98
2678					156	6.33				6.08			0.33
2679	26	14.23			104	4.14	7	3.10					12.65
2680	20	9.73			624	25.31				4.87		12.65	10.54
										8.03			12.65

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2681	26	\$14.23	10	\$3.65	208	\$8.43				\$8.08			\$25.31
2682	40	19.47			312	12.65				18.09			25.31
2683	20	9.73			156	9.49				5.47		\$4.22	10.95
2684	30	14.60			156	6.33				7.06			12.65
2685	30	16.42			260	10.54				7.06			15.82
2686	30	14.60			312	12.65				12.17			12.65
2687	20	9.73			104	4.14				8.11			18.98
2688	20	10.95			104	4.14				6.08		12.65	11.07
2689	30	14.60	20	7.30	416	16.87				18.09			25.31
2690	26	12.65			156	6.33				8.11			18.98
2691	26	12.65			360	14.60				7.30			17.03
2692	26	12.65			156	6.33				7.06			18.98
2693	20	9.73	10	3.05	156	6.33				9.98			23.20
2694	26	12.65			312	12.65				4.87			6.33
2695	40	21.90			260	10.54				11.92		18.98	21.09
2696	20	9.73			208	8.44				6.33		7.30	12.65
2697	35	19.16			260	10.54				5.35			18.98
2698	30	18.98			260	10.54							12.65
2699	28	13.63			156	6.33				12.17		18.98	25.31
2700	30	14.60			390	15.82				10.95			17.03
2701	60	29.20			312	12.65				22.14			7.38
2702													
2703	20	9.73			240	9.73				6.33			7.30
2704	18	8.76	12	4.38	156	6.33				8.11			15.82
2705	40	21.90	20	7.30	520	21.09				16.22			31.63
2706	20	10.95			104	4.14				4.87			11.07
2707	30	14.60			312	12.65				11.92			18.98
2708	25	12.17			240	9.73				7.30			6.33
2709	26	12.65			104	4.14				9.73		12.65	18.98
2710	20	9.73			208	8.44				9.12			15.82
2711	36	19.71			312	12.65				12.17		12.65	15.82
2712	20	9.73			240	9.73				6.33			6.33
2713	26	15.82	7	2.03	208	16.87				6.57		8.44	21.90
2714	26	12.65			312	12.65				11.93			12.65
2715	26	12.65			300	12.17				12.17			24.33
2716	26	12.65			208	8.44				7.06			12.65
2717	20	10.95			200	8.11				6.08			18.98
2718	40	19.47			420	17.03				12.65		4.87	12.65
2719	15	7.30	10	4.06	104	4.14				6.08			12.65
2720	20	9.73			156	6.33				9.98			25.31
2721	20	9.73			156	6.33				6.08			12.65
2722	40	19.47			312	12.65				9.98		6.33	21.09
2723	13	6.33	13	4.46									8.44
2724	25	12.17			156	6.33				6.33			6.33
2725	13	7.91			104	6.33				4.74		2.11	3.16
2726	20	9.73			104	4.14				4.87			15.82
2727	26	15.82			208	12.65				7.12		4.22	11.09
2728													
2729	36	17.52			312	12.65				9.12			10.34
2730	20	9.73			104	4.14				4.06		6.33	12.65
2731	26	12.65			156	6.33				8.11			18.98
2732	18	8.03			104	4.14				8.11			10.54
2733	26	12.65			312	12.65				7.06		12.65	18.98
2734	25	12.17			300	12.17				5.84			4.87
2735	30	14.60			300	12.17				8.52			12.17
2736	40	19.47			312	12.65				9.73			14.60
2737					360	14.60							19.47
2738	16	7.79	12	4.38	104	4.14				8.11			25.31
2739	52	25.31			416	16.87				12.17			31.63
2740	52	25.31			520	21.09				14.11			25.31
2741	30	14.60			308	12.49				11.92			25.31
2742	26	10.54			260	10.54				24.33		6.33	44.41
2743	13	11.19	7	3.16	156	11.19				2.64			7.38
2744	13	5.80			160	6.49				10.75			8.44
2745	17	7.38			208	8.35				15.21			22.20
2746	26	11.07			208	8.44				11.15			22.14
2747	14	5.96			170	6.89				9.25			10.54
2748	13	5.80			150	6.08				7.60			12.65
2749	26	11.07	18	6.76	104	4.22				10.14			18.98
2750	20	9.73	20	7.30	264	10.71				10.46		18.98	25.31
2751	13	7.91			104	6.33				4.74		2.11	11.09
2752	30	14.60			240	9.73				7.30			14.60
2753	52	28.47			624	25.31				14.25			31.63



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Concluded.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2754	52	\$25.31			208	\$8.44				\$12.17		\$12.65	\$18.98
2755	20	8.92			104	4.14	5	\$2.43		11.92			
2756	26	12.65			156	6.33				4.87			12.17
2757	30	14.60			300	12.17				8.11		25.31	18.98
2758	26	12.65			260	10.54				9.73			12.65
2759	39	23.12			260	15.82				17.52		12.65	21.90
2760	52	25.31			416	16.87				9.93			25.31
2761	52	23.20			500	20.28				14.60			12.65
2762	26	14.60			208	12.65				6.57		2.11	21.90
2763	52	25.30			312	12.65				8.44			18.98
2764	52	25.30			312	12.65				9.49			18.98
2765	52	25.30			520	21.09				21.09			25.30
2766	30	14.60			156	6.33				8.11			12.65
2767	52	23.20			156	6.33				5.36			10.54
2768	26	12.65			156	6.33		3.16		10.95			15.82
2769	26	12.65			104	4.22				6.09			18.98
2770	30	14.60			208	8.44				9.97			10.54
2771	26	12.65			156	6.33				9.13			12.65
2772	52	25.30			300	12.16				9.13			15.82
2773	30	14.60			156	6.33				7.06			15.82
2774	78	37.96			400	16.22				18.01			37.96
2775	52	23.20			208	8.44		3.16		13.38			18.98
2779	52	25.30			300	12.16		3.65		9.97			18.98
2777	30	13.38			208	8.44				16.22			
2778	40	19.47			156	6.33				9.01			12.65
2779	39	18.98			173	7.10				9.13			18.98
2780	26	11.59			104	4.22				6.57			8.44
2781	52	25.30			300	12.16				13.38			18.98
2782	26	12.65			120	4.87				6.57			10.54
2783	26	11.59			104	4.22				5.11			6.33
2784	26	11.07			104	4.22				4.87			7.38
2785	20	8.92			100	4.05				6.09			6.33
2786	26	12.65			104	4.22				7.79			15.82
2787	26	12.65	10	\$3.65	156	6.33				8.11			12.65
2788	26	11.59			104	4.22		1.82		7.55			8.44
2789	39	18.98			104	4.22				7.06			7.38
2790	26	11.59			104	4.22				8.11			3.16
2791	104	50.62			500	20.28				16.22			25.30
2792	30	14.60			156	6.33		2.43		11.92			15.82
2793	52	31.63			208	8.44				9.13			12.65
2794	26	11.59			100	4.05		1.22		8.62			
2795	26	12.65			312	12.65				6.33			12.65
2796	52	25.31			390	15.82				17.52		8.52	11.09
2797	26	12.65			312	12.65				7.79			12.65
2798	26	15.82			208	12.65				7.12		8.44	11.09

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

### D.—EXPENDITURE FOR FOOD. (3.)

Budget number.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).	
2097	\$38.70			\$1.80	\$1.80		\$6.30	\$30.00	\$176.45
2098	44.60			6.30	7.20		4.80	25.00	261.60
2099	59.40			4.60	2.80		4.60	25.00	276.55
2100	68.70			5.40	6.00		4.40	30.00	411.20
2101	34.80						4.90	30.00	212.40
2102	75.60			6.00	5.00		2.20	30.00	261.10
2103	46.20			4.50	2.50		1.80	25.00	206.90
2104	40.50	\$3.00			3.00		1.85	35.00	290.50
2105	51.60				1.75		7.90	30.00	219.25
2106	24.00			3.00	2.10		2.40	30.00	173.90
2107	61.80			3.00	2.60		8.55	20.00	255.31
2108	24.80				4.60		8.65	20.00	230.80
2109	34.00	2.00		3.00	3.50		3.40	20.00	179.10
2110	32.60	3.00			10.00			25.00	195.30
2111	15.60				1.75		3.35	26.00	184.15
2112	21.60			4.00	3.00		2.30	40.00	261.00
2113	84.00			12.80	15.00		2.40	40.00	420.95
2114	31.00	2.00		.50	3.00		1.90	20.00	173.40
2115	39.20	1.50		20.00	3.60		3.80	25.00	214.60
2116	35.40			4.50	6.00		3.30	20.00	213.70
2117	36.60						2.40	30.00	182.90
2118	35.50				4.80		6.85	16.00	186.65
2119	75.00			4.00	6.00		7.15	30.00	264.85
2120	26.70			4.00	6.00		4.50	30.00	219.70
2121	33.60			3.20			5.95	20.00	182.75
2122	34.00				2.00		1.70	20.00	156.70
2123	21.60			3.00	2.25		1.25	16.00	170.85
2124	28.00		\$2.00		3.00		1.60	20.00	131.35
2125	19.80				2.40		1.16		140.26
2126	62.00		2.25	10.00	12.00		7.55	30.00	334.55
2127	16.20			4.00			8.95	12.00	160.65
2128	33.60				3.00		4.70	20.00	220.30
2129	30.00			6.00	10.80		10.40	16.00	200.80
2130	27.00			4.00	4.00		5.60	20.00	158.10
2131	21.60			6.00			5.90		137.70
2132	32.70			4.00			2.60	20.00	154.80
2133	45.00			7.20	3.75		5.00	25.00	219.15
2134	24.30		1.60		4.00		2.40	20.00	170.65
2135	36.00		2.00	6.00	4.80		6.35	20.00	173.45
2136	39.00		1.20	7.00	2.40		4.70		186.30
2137	43.20			5.00			2.05	18.00	158.05
2138	32.40				2.00		7.10	18.00	153.75
2139	30.60				2.00		4.90		148.75
2140	34.80			13.00	12.00		6.00	35.00	276.80
2141	82.00			6.00	7.00		2.80	40.00	346.60
2142	61.00			9.00	3.40		1.80	16.00	198.40
2143	41.49	4.00		9.00	5.20		20.45	25.00	237.66
2144	50.40		.48	6.00	2.80		5.10	20.00	244.68

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
2170	\$32.00								\$106.00
2171	39.00				\$40.00	\$0.60	\$1.50	\$13.00	224.95
2172	13.20							8.50	79.40
2173	19.80							20.00	165.30
2174	30.00							35.00	136.00
2175	24.00							8.40	138.40
2176	46.80							15.00	177.60
2177	20.00							14.00	127.40
2178	21.00							18.00	130.80
2179	19.80							15.80	103.60
2180	15.00							9.50	90.70
2181	13.20							12.50	84.85
2182	14.00							11.50	95.40
2183	15.00							8.00	56.50
2184	20.00							6.50	99.50
2185	30.00							15.00	158.00
2186	25.00							10.00	116.55
2187	28.00							15.50	131.50
2188	36.00							20.00	157.75
2189	13.20							6.50	69.60
2190	14.50							13.80	114.00
2191	24.50							27.80	134.80
2192	15.00							27.00	99.46
2193	93.60		\$6.00	\$26.00	5.00		25.69	16.80	478.00
2194	31.20		3.00				3.40	18.00	304.84
2195	30.00				5.00		3.00	6.00	253.76
2196	37.20			1.50	2.50		20.40	12.00	216.29
2197	30.00		3.00					6.00	180.64
2198	23.40		6.00		18.50			6.00	173.74
2199	15.60			3.00		4.80	7.40	6.00	182.72
2200	62.40		6.00		4.00		24.00	6.00	277.24
2201	20.00		3.00				5.00	7.50	130.50
2202	31.20			6.00	7.50		18.00	6.00	223.59
2203	43.20				6.00			21.00	200.92
2204	16.20				2.00			10.00	124.64
2205	64.80				15.00			15.00	237.26
2206	48.60				6.00			20.00	175.04
2207	25.65		3.00					21.00	139.07
2208	20.25				8.00			18.00	144.83
2209	29.70		3.00					28.80	163.02
2210	25.65		3.00		2.00			27.00	149.15
2211	27.00							13.00	148.63
2212	24.30				3.00			9.00	125.53
2213	21.60				3.00			10.80	127.76
2214	32.40				6.00		2.00	9.00	140.48
2215	24.30							9.00	160.30
2216	43.20							18.00	223.76
2217	48.60	\$13.00						24.00	257.28
2218	18.50		3.00		2.00			8.50	218.00
2219	30.60			3.00				12.00	166.35
2220	50.00				3.00			20.00	237.80
2221	60.00	6.00	6.00					21.00	340.74
2222	15.60				10.00			12.00	196.16
2223	19.60		6.00		2.00			9.00	143.02
2224	39.00		3.00		3.00			38.00	206.40
2225	31.20		3.00		6.00			10.00	149.68
2226	31.20		3.00		6.00			12.00	196.20
2227	42.00	1.92		1.80		1.50	1.76	5.00	238.58
2228	28.00	1.26		1.80		1.00		6.75	170.96
2229	60.00				2.00	1.35	11.60	3.50	295.92
2230	11.20					.50	4.00	5.00	113.58
2231	16.80					.75	5.80	5.30	129.10
2232	48.00	3.20		3.60	5.38	2.00		2.50	258.63
2233	23.60	2.40			8.75	1.75	10.00	5.00	176.51
2234	40.40				2.00	1.25		2.00	171.51
2235	19.75	3.60			20.87	1.25			176.03
2236	38.35		3.00					15.00	292.95
2237	23.40		6.00	6.00			3.50	3.00	200.47
2238	15.60			6.00			4.00	8.00	155.52
2239	46.80		6.00		6.00		3.00	12.00	229.02
2240	15.60		9.00	6.00	7.20		10.00	12.00	180.72
2241	25.50							21.00	192.75
2242	30.60				3.00		5.00	12.00	179.00



**D.—EXPENDITURE FOR FOOD. (3.)—Continued.**

Bnd- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
2243	\$15.90							\$22.00	\$249.70
2244	13.20	\$1.68		\$3.36	\$4.00			3.50	81.30
2245	52.00		\$6.00	15.00	5.00			12.00	240.48
2246	31.20				3.00			9.00	122.80
2247	33.00				2.00			5.22	127.42
2248	31.20				3.00			12.00	230.42
2249	02.40			18.00				12.00	226.08
2250	31.20	1.50	3.00		10.00			12.00	163.84
2251	57.60	2.80		12.00	21.92	\$1.50	\$6.20	2.00	348.62
2252	33.60					1.25	1.60	6.50	193.30
2253	34.80				19.54	1.35	6.00	7.00	222.89
2254	34.50				5.00	2.25		5.00	202.00
2255	64.80		3.00		2.00			14.00	279.36
2256	44.80			3.20	8.00	1.25	8.00	2.00	258.67
2257	16.80	2.00		3.42	1.76	.50	3.20	1.45	124.88
2258	55.20				13.95	1.35		1.00	237.05
2259	11.92	3.20			3.00	1.00	5.00	2.00	159.88
2260	15.00	4.00		4.20	5.50	1.25		2.00	172.40
2261	23.00					1.15	7.00	3.00	182.10
2262	15.60		3.00				6.00	6.00	96.12
2263	16.50						7.40	3.00	138.86
2264	60.00	6.00	6.00					27.00	350.18
2265	38.35		3.00				2.00	18.00	205.45
2266	60.00		12.00	18.00			8.00	9.60	283.60
2267	15.60		6.00		7.00			18.00	192.06
2268	83.20	3.00	6.00		8.00			24.00	419.60
2269	15.60	9.00						5.00	104.84
2270	31.20	3.00	3.00		4.80			9.00	245.68
2271	20.00		2.40		6.00			6.00	151.22
2272	70.20	6.24		4.20	12.44	2.50	9.60	3.00	405.24
2273	67.20			3.15	5.00	1.70	3.36	5.00	348.30
2274	67.20				8.40	3.00	17.00	12.00	271.85
2275	56.00	1.60		6.40	6.24	1.50	9.00	2.00	284.28
2276	33.60	1.92		4.50	2.24	.75		6.80	174.11
2277	100.80	10.00			16.54	2.00	19.96	7.00	608.10
2278	28.00	3.20		2.40		1.00	7.00	2.00	184.69
2279	44.00	5.20		8.00	5.00	2.00		6.00	240.21
2280	28.00	2.64				1.00	7.20	2.00	203.54
2281	16.80			2.25	5.50	1.00	6.50	4.50	158.25
2282	56.02	1.20			4.48	1.50		3.00	208.56
2283	16.10				6.00	.75		5.00	155.85
2284	15.60		2.40	19.60	3.00		4.00	6.00	167.56
2285	16.90			15.00	2.00		4.00	6.00	184.18
2286	31.20						5.00	12.00	175.10
2287	31.20		6.00	20.00			10.80	6.00	231.60
2288	23.40		3.00	0.00			22.00	12.00	465.28
2289	62.40		6.00	24.00	6.00		15.20	12.00	299.92
2290	62.40		3.00	18.00			18.50	9.00	356.90
2291	15.30			6.00			3.00	9.00	199.05
2292	19.12							6.00	98.22
2293	15.30							4.00	88.10
2294	39.60		3.00		8.50		3.00	18.00	340.21
2295	13.00			7.28	2.00			6.00	119.66
2296	55.00							85.00	281.40
2297	35.00							65.00	211.25
2298	60.00							50.00	234.50
2299								144.00	192.00
2300	32.40							20.00	166.05
2301	55.95							40.97	208.39
2302	78.00							26.00	329.00
2303	57.00							28.00	273.00
2304	18.00							24.00	144.10
2305	39.00			7.50				38.00	246.95
2306	67.50							45.00	292.70
2307	18.20							24.00	121.70
2308	78.00							45.00	325.52
2309	38.00							46.00	181.58
2310	57.50							20.00	251.54
2311	30.00							39.00	201.19
2312	33.50							121.00	256.10
2313	18.60							35.00	154.25
2314	84.10							16.00	283.40
2315	72.90							52.00	342.10







TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Choose.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
2462	\$33.60							\$38.20	\$125.80
2463	97.50			\$10.72				68.96	284.90
2464	25.50							47.00	166.65
2465	18.00							21.61	141.21
2466	91.00			23.40				15.00	449.60
2467	50.40							15.00	165.95
2468	36.00							49.30	210.72
2469	18.00							24.00	135.50
2470	54.00							75.00	314.20
2471	36.00							35.00	218.89
2472	43.20							48.90	177.78
2473	18.00							27.00	164.10
2474	61.60							75.00	332.95
2475	45.60		\$5.00	7.20	\$3.50			38.00	253.13
2476	36.00		2.50	5.65	2.35			19.30	161.33
2477	19.50		6.50	3.25				14.00	172.09
2478	120.70		3.25		21.00			23.69	350.57
2479	97.50							10.45	259.43
2480	11.20							35.00	202.25
2481	31.60							38.12	289.64
2482	41.60			11.70				36.62	219.34
2483	20.80			8.10				11.00	174.62
2484	72.85		6.50					65.50	196.87
2485	46.80				0.30			51.41	226.58
2486	30.60							35.50	259.20
2487	46.80			9.20				40.54	211.66
2488	81.80			11.32	8.40		\$7.25	68.15	253.72
2489	20.21		1.15	2.51	2.25			8.81	173.17
2490	38.60			5.49	3.57	\$2.73		30.35	165.85
2491	57.00			2.48	.95			37.54	145.38
2492	83.86			8.14	4.22			52.42	457.06
2493	91.00		6.25		12.35			84.30	403.27
2494	83.78		4.30	8.34			3.25	78.59	347.11
2495	27.00							47.80	182.78
2496	45.10		3.25					32.14	200.09
2497	40.70			6.70				27.53	251.18
2498	64.80							81.92	276.76
2499	70.20		6.00	12.30				45.80	614.47
2500	64.80							16.61	212.81
2501	26.12							42.60	192.65
2502	33.60							22.61	214.29
2503	61.20							141.00	480.90
2504	8.40							40.80	87.40
2505	78.80			9.00			10.00	60.20	462.00
2506	97.20							18.00	281.40
2507	72.00						10.00	48.20	292.20
2508	24.00						13.00	42.00	178.32
2509	46.80						5.00	109.60	226.90
2510	115.20							49.60	589.05
2511	78.00						25.00	61.00	446.25
2512	47.60							12.77	214.05
2513								130.00	185.00
2514	54.00							50.00	221.00
2515	30.00							65.80	181.00
2516	19.50							38.50	230.36
2517	19.20						12.00	19.84	193.09
2518	48.00						15.00	32.00	255.00
2519	38.40						20.00	119.85	299.75
2520	60.00							120.00	328.30
2521	36.00						15.00	36.50	224.50
2522	84.00						22.00	75.00	466.95
2523	58.00						11.00	75.00	345.00
2524	108.00		8.50	11.50				65.00	628.82
2525	78.40							56.70	425.26
2526	29.70			10.40				32.90	227.85
2527	18.00							46.88	171.24
2528	48.00							60.00	323.70
2529	83.90						12.85	146.72	470.52
2530	48.00							111.97	334.37
2531	38.40						8.00	31.50	193.40
2532	12.00							15.00	176.25
2533	20.40							27.00	139.52
2534	23.40						6.00	27.00	205.40

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

**D.—EXPENDITURE FOR FOOD. (3.)—Continued.**

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
2535	\$24.00						\$10.00	\$39.00	\$207.12
2536	117.00				\$25.00		35.00	120.00	695.50
2537	115.40				25.00		40.00	90.00	723.60
2538	49.90						6.00	33.00	262.35
2539	64.00							35.00	199.40
2540	42.00							39.20	264.25
2541	58.00				20.00		20.00	77.00	477.00
2542	48.60						8.00	18.00	300.40
2543	72.00			\$4.60			8.49	66.73	374.43
2544	22.00							45.00	178.40
2345	30.00							24.00	161.40
2546	30.00						7.00	29.85	180.85
2547	42.00				5.00		12.00	54.00	288.40
2548	33.60						10.00	29.00	226.68
2549	96.00							109.60	442.91
2550	16.90		\$7.30		4.50			36.50	140.45
2551	16.80							43.60	221.15
2552	72.00				17.80		14.00	69.90	484.86
2553	105.00						10.00	179.00	468.60
2554	72.00		6.00	6.24	9.00			68.96	385.92
2555	32.40							40.94	210.94
2556	57.60			5.40				36.00	286.20
2557	8.10						6.00	16.00	124.62
2558	19.20			15.60			18.00	157.80	338.40
2559	90.00			5.76	5.00		6.00	15.00	347.60
2560	90.00				21.65		16.80	54.10	505.09
2561	48.00							16.00	184.68
2562	71.60						20.00	37.00	419.70
2563	60.80						20.00	55.00	433.80
2564	78.00							60.00	448.20
2565	72.00							50.00	482.10
2566	20.40						12.00	10.00	199.23
2567	20.00				6.80		12.00	20.45	219.60
2568	49.60						4.00	47.50	205.72
2569	40.80						12.00	10.00	252.85
2570	20.40						4.00	14.12	170.80
2571	28.80						4.60	18.00	191.72
2572	34.00						7.00	29.80	187.45
2573	18.00							16.00	158.40
2574	21.60						19.00	65.25	245.05
2575	24.00		4.80		11.67	\$2.25	1.80	16.00	181.96
2576	36.00						15.00	87.90	294.04
2577	48.60							74.60	203.20
2578	36.00			18.00			8.00	42.00	307.57
2579	24.00							35.00	204.25
2580	78.00			10.80			22.00	63.00	442.65
2581	40.80						15.00	10.00	209.64
2582	19.60						12.00	40.64	195.34
2583	78.00			9.00			7.40	62.30	340.35
2584	78.00			11.16			12.00		358.77
2585	18.20			8.64			14.00	13.00	211.00
2586	40.80						16.00	13.60	218.97
2587	24.00						4.80	25.00	168.40
2588	25.50							33.16	235.09
2589	78.00						21.00	30.00	392.68
2590	42.00							32.85	322.55
2591	51.60							50.85	331.50
2592	25.50							49.00	227.60
2593	36.00							25.00	202.62
2594	50.35			19.09	3.05		9.55	42.12	459.84
2595	83.20		4.00	36.00				57.30	370.04
2596	64.00							99.60	193.62
2597	22.00	\$2.40				1.25	10.00	17.40	233.20
2598	31.20			10.50	15.64	1.75	14.80	2.50	265.29
2599	32.50	3.20			4.50	1.00	9.00	15.84	204.33
2600	44.64			5.10	4.00	1.25	10.40	9.75	227.30
2601	38.50	3.36		3.00	10.00	1.50	16.20	18.80	278.48
2602	29.25			3.00		1.00	9.75	9.50	187.64
2603	30.00	4.24			8.40	2.00	17.00	20.00	404.79
2604	30.00	2.56				1.75	9.00	14.00	214.10
2605	57.90					.49	.39		165.18
2606	67.16					.62		9.66	205.24
2607	69.48							2.03	239.66

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified.)	
2608	\$69.48	.....	.....	.....	.....	.....	.....	\$10.16	\$231.88
2609	30.11	.....	.....	.....	.....	.....	.....	2.83	137.36
2610	57.90	.....	.....	.....	.....	.....	.....	6.95	200.93
2611	57.90	.....	.....	.....	.....	.....	.....	23.16	210.00
2612	69.48	.....	.....	.....	.....	.....	\$0.39	1.16	194.01
2613	138.96	.....	.....	.....	.....	.....	.....	46.32	429.40
2614	69.48	.....	.....	.....	.....	.....	.....	4.83	168.89
2615	.....	\$33.42	.....	.....	.....	.....	.71	28.08	157.19
2616	.....	32.18	.....	.....	.....	.....	6.19	11.90	92.35
2617	37.13	.....	.....	.....	.....	.....	.71	49.10	179.37
2618	.....	42.84	.....	.....	.....	.....	5.36	16.66	156.35
2619	28.56	.....	.....	.....	.....	.....	3.21	9.52	151.25
2620	14.28	65.69	.....	.....	.....	.....	4.28	8.57	202.48
2621	5.71	59.64	.....	.....	.....	\$1.43	9.40	1.43	246.96
2622	46.65	.....	.....	.....	.....	3.09	3.95	9.52	175.31
2623	7.43	17.33	.....	.....	.....	.....	1.19	14.57	244.28
2624	34.03	2.38	.....	\$4.99	.....	.....	7.85	6.66	199.21
2625	14.86	57.12	.....	.....	.....	.....	14.04	44.27	417.47
2626	43.69	.....	.....	.....	.....	.....	3.95	11.39	149.99
2627	1.72	21.42	.....	.....	.....	.....	7.14	2.28	106.47
2628	.....	30.94	.....	.....	.....	.....	6.19	8.33	121.24
2629	4.23	34.27	.....	.....	.....	.....	3.14	4.76	118.38
2630	.....	86.87	.....	.....	.....	.....	17.14	19.52	208.56
2631	.....	45.22	.....	.....	.....	.....	8.57	14.28	157.21
2632	.....	64.74	.....	.....	.....	.....	25.70	19.04	400.64
2633	31.63	.....	.....	.....	.....	.....	12.65	14.60	213.25
2634	63.26	.....	.....	.....	.....	.....	7.30	19.47	365.21
2635	45.62	.....	.....	.....	.....	.....	14.60	24.33	377.09
2636	30.42	.....	.....	.....	.....	.....	9.73	10.58	184.68
2637	30.42	.....	.....	.....	.....	.....	4.87	17.56	213.15
2638	37.96	.....	.....	.....	.....	.....	7.79	12.16	205.51
2639	40.88	.....	.....	.....	.....	.....	7.30	21.90	287.99
2640	47.49	.....	.....	.....	.....	.....	9.73	38.93	321.28
2641	68.13	.....	.....	.....	.....	.....	12.16	24.33	414.29
2642	73.00	.....	.....	.....	.....	.....	12.16	29.20	452.25
2643	73.00	.....	.....	.....	.....	.....	9.73	29.20	354.03
2644	56.94	.....	.....	.....	.....	.....	4.87	9.73	267.98
2645	56.94	.....	.....	.....	.....	.....	6.09	24.33	292.30
2646	36.50	.....	.....	.....	.....	.....	7.30	12.16	209.56
2647	48.67	.....	.....	.....	.....	.....	.....	38.93	316.40
2648	64.00	.....	.....	.....	.....	.....	.....	20.42	329.18
2649	39.42	.....	\$1.22	.....	.....	.....	2.43	41.86	264.37
2650	39.42	.....	.....	.....	.....	.....	2.43	45.26	228.73
2651	42.82	.....	.....	.....	.....	.....	4.87	35.53	287.17
2652	23.12	.....	.....	.....	.....	.....	.....	31.63	189.32
2653	13.35	18.98	.....	.....	.....	.....	2.43	26.41	228.58
2654	18.25	.....	.....	.....	.....	.....	.....	35.53	102.07
2655	18.25	6.33	.....	.....	.....	.....	.....	23.63	171.29
2656	9.13	22.15	.....	.....	.....	.....	.....	25.80	207.86
2657	30.42	6.33	.....	.....	.....	.....	.....	19.47	223.54
2658	19.71	.....	.....	.....	.....	.....	.....	43.31	199.94
2659	54.99	.....	.....	.....	.....	.....	.....	63.26	379.74
2660	36.50	.....	.....	.....	.....	.....	.....	40.64	199.60
2661	41.36	.....	.....	.....	.....	.....	.....	41.85	289.10
2662	24.33	.....	.....	.....	.....	.....	.....	25.80	176.10
2663	39.66	.....	.....	.....	.....	.....	.....	53.53	314.17
2664	61.15	.....	.....	.....	\$1.87	.....	.....	14.60	187.23
2665	60.83	.....	.....	.....	.....	.....	2.43	9.73	284.52
2666	33.33	.....	.....	.....	.....	.....	1.46	13.14	131.71
2667	30.42	.....	.....	.....	.....	.....	7.30	14.23	236.40
2668	24.33	.....	.....	.....	.....	.....	4.87	22.55	183.63
2669	54.75	.....	.....	.....	.....	.....	2.43	9.73	200.49
2670	42.58	.....	.....	.....	.....	.....	6.33	36.98	259.14
2671	42.83	.....	.....	.....	.....	.....	4.87	19.47	360.47
2672	66.91	.....	.....	.....	.....	.....	12.17	19.47	517.47
2673	53.53	.....	.....	.....	.....	.....	7.30	14.60	259.38
2674	36.50	.....	.....	.....	.....	.....	4.87	9.73	311.70
2675	36.50	.....	.....	.....	.....	.....	2.43	9.17	170.49
2676	50.61	.....	.....	.....	.....	.....	4.87	21.05	217.66
2677	12.17	.....	.....	.....	.....	.....	2.43	20.93	120.46
2678	34.07	.....	.....	.....	.....	.....	.....	37.23	127.75
2679	12.17	.....	.....	.....	.....	.....	2.43	9.73	187.07
2680	36.50	.....	.....	.....	.....	.....	1.22	9.73	175.92



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Hd- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
2681	\$36.50	.....	.....	.....	.....	.....	\$7.30	\$28.49	\$288.16
2682	50.13	.....	.....	.....	.....	.....	2.43	57.91	350.48
2683	34.07	.....	.....	.....	.....	.....	14.60	15.90	165.79
2684	21.42	.....	.....	.....	.....	.....	2.43	9.73	184.93
2685	19.47	.....	.....	.....	.....	.....	4.87	36.98	256.68
2686	51.83	.....	.....	.....	.....	.....	3.65	14.60	253.79
2687	36.62	.....	.....	.....	.....	.....	2.43	51.58	226.50
2688	15.09	.....	.....	.....	.....	.....	2.43	17.03	164.85
2689	54.75	.....	.....	.....	.....	.....	3.65	32.12	286.57
2690	18.25	.....	.....	.....	.....	.....	2.43	4.62	156.77
2691	50.61	.....	.....	.....	.....	.....	5.35	14.60	207.30
2692	18.25	.....	.....	.....	.....	.....	2.43	14.60	168.87
2693	24.33	.....	.....	.....	.....	.....	2.43	14.60	185.99
2694	30.42	.....	.....	.....	.....	.....	.....	30.65	175.44
2695	36.50	.....	.....	.....	.....	.....	6.33	41.85	325.16
2696	29.20	.....	.....	.....	.....	.....	3.65	9.73	184.59
2697	27.50	.....	.....	.....	.....	.....	6.33	34.06	318.03
2698	50.61	.....	.....	.....	\$12.66	.....	12.65	.....	206.66
2699	24.33	.....	.....	.....	.....	.....	2.43	41.85	265.24
2700	65.70	.....	.....	.....	.....	.....	2.43	24.33	255.48
2701	75.92	.....	.....	.....	19.22	.....	.....	48.67	373.10
2702	48.50	.....	.....	.....	.....	.....	.....	88.69	262.14
2703	19.71	.....	.....	.....	.....	.....	1.22	9.73	139.19
2704	24.33	.....	.....	.....	.....	.....	1.22	3.57	132.62
2705	75.02	.....	.....	.....	.....	.....	6.08	61.32	507.17
2706	13.63	.....	.....	.....	.....	.....	2.43	7.95	159.42
2707	51.83	.....	.....	.....	.....	.....	3.65	9.73	287.86
2708	30.42	.....	.....	.....	.....	.....	1.22	14.60	158.67
2709	27.50	.....	.....	.....	.....	.....	3.65	12.17	228.00
2710	24.33	.....	.....	.....	.....	.....	1.22	16.91	189.95
2711	33.34	.....	.....	.....	.....	.....	4.87	14.00	296.63
2712	46.23	.....	.....	.....	.....	.....	.....	4.13	151.63
2713	41.37	.....	.....	.....	.....	.....	.....	22.55	250.89
2714	27.50	.....	.....	.....	.....	.....	2.43	9.73	184.44
2715	54.75	.....	.....	.....	.....	.....	.....	53.53	280.80
2716	27.50	.....	.....	.....	.....	.....	2.43	36.98	231.08
2717	15.09	.....	.....	.....	.....	.....	3.65	36.98	194.74
2718	60.83	.....	.....	.....	.....	.....	8.52	14.60	293.69
2719	24.33	.....	.....	.....	.....	.....	1.46	12.17	154.44
2720	27.50	.....	.....	.....	.....	.....	.....	9.73	208.79
2721	18.25	.....	.....	.....	.....	.....	2.43	14.60	212.42
2722	54.99	.....	.....	.....	.....	.....	6.33	73.98	369.32
2723	26.28	.....	.....	.....	15.82	.....	.....	19.22	153.14
2724	27.50	.....	.....	.....	.....	.....	2.43	24.33	184.21
2725	25.31	.....	.....	.....	12.65	.....	.....	20.52	144.09
2726	12.17	.....	.....	.....	.....	.....	1.22	36.98	170.34
2727	41.37	.....	.....	.....	.....	.....	.....	37.15	264.38
2728	43.80	.....	.....	.....	.....	.....	.....	62.53	167.64
2729	54.75	.....	.....	.....	.....	.....	3.65	9.73	269.59
2730	15.09	.....	.....	.....	.....	.....	1.22	14.60	150.06
2731	30.42	.....	.....	.....	.....	.....	7.30	20.93	202.77
2732	12.29	.....	.....	.....	.....	.....	1.22	22.38	126.81
2733	68.13	.....	.....	.....	.....	.....	2.43	18.98	374.97
2734	37.96	.....	.....	.....	.....	.....	1.70	9.73	193.94
2735	65.70	.....	.....	.....	.....	.....	9.73	21.90	266.45
2736	66.92	.....	.....	.....	.....	.....	2.43	18.74	259.87
2737	50.61	\$12.65	.....	.....	.....	.....	.....	82.73	303.66
2738	21.41	.....	.....	.....	.....	.....	2.43	27.25	216.89
2739	69.83	.....	.....	.....	.....	.....	2.43	24.33	404.00
2740	68.13	.....	.....	.....	.....	.....	7.30	24.33	394.36
2741	30.42	.....	.....	.....	.....	.....	6.33	19.47	271.00
2742	6.33	133.10	.....	.....	.....	.....	2.11	5.59	468.12
2743	6.08	18.98	\$1.58	\$3.69	.....	.....	3.16	2.43	143.26
2744	1.52	21.09	.73	5.84	.....	.....	2.11	17.03	135.53
2745	1.58	31.63	.....	.....	.....	.....	9.49	17.03	212.87
2746	3.16	28.47	.....	.....	.....	.....	3.69	25.91	222.84
2747	1.22	23.20	.....	.....	.....	.....	4.22	14.23	145.11
2748	1.52	15.82	1.58	.....	.....	.....	6.33	17.03	181.96
2749	1.58	22.20	.....	.....	.....	.....	6.33	16.18	200.43
2750	36.50	.....	.....	.....	.....	.....	7.30	43.31	342.61
2751	25.31	.....	.....	.....	9.73	.....	.....	20.52	149.10
2752	31.63	.....	.....	.....	.....	.....	2.92	7.54	179.56
2753	65.21	.....	.....	.....	.....	.....	4.87	61.32	490.44

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Concluded.

[illegible]

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Budget number.	Rent.		Fuel.		Lighting.		Clothing.			Furniture and utensils.	Taxes.	Pit expenses.			
	Rooms.	Cost.	Kind.	Quantity (tons).	Cost.	Kind.	Quantity (gallons).	Cost.	Husband.				Wife.	Children.	
2097		4 \$60.00	Coal	8	\$12.00	Oil	20	\$4.00	\$70.00	\$50.00	\$25.00	\$2.00	\$4.50	\$80.00	
2098		3 36.00	Coal	7	10.50	Oil	28	5.60	50.00	20.00	18.00	6.00	7.00	75.00	
2099		3 36.00	Coal	2	3.00	Oil	28	4.20	30.00	16.00	60.00	2.00		60.00	
2100		4 48.00	Coal	8	12.50	Oil	26	5.20	60.00	20.00	150.00	6.00		100.00	
2101	O. H.		Coal	10	20.00	Oil	50	10.00	70.00	40.00	90.00	6.00	4.50	50.00	
2102		3	72.00	Coal	12	24.00	Oil	26	5.20	40.00	25.00	75.00	25.00	4.50	
2103		2	60.00	Coal	6	12.00	Oil	50	10.00	70.00	50.00	45.00	35.00	10.50	18.00
2104		3 36.00	Coal	9	22.50	Oil	70	10.30	60.00	20.00	130.00	70.00	4.50		
2105	O. H.		Coal			Oil	40	8.00	50.00	25.00	150.00	25.00	11.00		
2106		5	60.00	Coal	10	15.00	Oil	46	9.20	100.00	65.00		5.00	19.50	
2107		3	42.00	Coal	10	20.00	Oil	46	9.20	80.00	50.00	150.00	3.00	4.50	70.00
2108		2 60.00	Coal		6.00	Oil	50	10.00	80.00	35.00	25.00	5.00	4.50	130.00	
2109		3 72.00	Coal	8	16.00	Oil	18	3.60	30.00	25.00	100.00	150.00		65.00	
2110		4 60.00				Oil	38	7.60	60.00	60.00	20.00	100.00	4.50	50.00	
2111		3 96.00	Coal	10	15.00	Oil	40	8.00	100.00	50.00		175.00	4.50		
2112	O. H.		Coal	12	18.00	Oil	46	9.20	60.00	70.00	60.00	5.00	11.93		
2113		4	60.00			Oil	35	7.00	70.00	15.00	200.00	3.00	4.50	70.00	
2114			2 24.00			Oil	28	5.60	80.00	50.00		5.00	4.50		
2115		2 60.00	Coal	4	6.00	Oil	50	7.50	40.00	25.00	45.00	3.00	4.50	50.00	
2116		4 72.00	Coal	6	9.00	Oil	14	2.80	35.25	25.00		3.00	4.50	50.00	
2117		1 18.00	Wood		12.00	Oil	16	3.20	25.00	40.00	60.00	.50	4.50	50.00	
2118		2 36.00	Coal	8	12.00	Oil	16	2.40	60.00	40.00		4.00	4.50	18.00	
2119		2 36.00	Coal	12	18.00	Oil	16	3.00	60.00	30.00	150.00	12.00	4.50		
2120		2 36.00	Coal	10	15.00	Oil	28	7.00	60.00	40.00	60.00	47.00	4.50	70.00	
2121		2 36.00	Coal		15.00	Oil	30	7.50	40.00	30.00	60.00	16.00	4.30	50.00	
2122		2 36.00	Coal		15.00	Oil	25	6.25	40.00	20.00	50.00	15.00	4.50	12.00	
2123		2 36.00	Coal	8	12.00	Oil	26	6.50	45.00	30.00	30.00	4.00	4.50		
2124		2 36.00				Oil	20	5.00	40.00	25.00	20.00	6.00	4.50		
2125		2 36.00	Coal	12	18.00	Oil	28	7.60	45.00	30.00	15.00	30.00	4.50	12.00	
2126		2 36.00	Coal	12	18.00	Oil	24	6.00	50.00	50.00	30.00	4.00	4.50	5.00	
2127		2 36.00	Coal	7	10.50	Oil	35	8.75	60.00	60.00		125.00	4.50	18.00	
2128		3 60.00	Coal			Oil	28	7.00	70.00	40.00	80.00	4.00	4.50	40.00	
2129		2 36.00	Coal	12	18.00	Oil	26	6.50	70.00	40.00	40.00	20.00	4.50	40.00	
2130		2 36.00	Coal		1.50	Oil	40	10.00	45.00	30.00	5.00	20.00	4.50	4.00	
2131		2 36.00	Coal		15.00	Oil	28	7.00	60.00	35.00	25.00	3.60	4.50	50.00	
2132		2 36.00	Coal	10	15.00	Oil	26	6.50	40.00	30.00	90.00	3.00	4.50	11.00	
2133		4 72.00	Coal	12	18.00	Oil	20	5.00	40.00	30.00	125.00	3.00	4.50		
2134		1 24.00				Oil	24	7.20	45.00	35.00		4.00	4.50	16.00	
2135		2 36.00	Wood		8.00	Oil	20	5.00	75.00	35.00		39.00	4.50	12.00	
2136		2 48.00				Oil	24	7.20	60.00	40.00	60.00	3.00	4.50	12.00	
2137		2 36.00				Oil	20	5.00	40.00	30.00	25.00	53.00	4.50		
2138		1 24.00				Oil	20	5.00	40.00	30.00	35.00	25.00	4.50	16.00	
2139		2 48.00				Oil	20	5.00	60.00	40.00		73.00	4.50		
2140		4 48.00	Coal	12	18.00	Oil	16	3.20	70.00	35.00	40.00	65.00	4.50	70.00	
2141	O. H.					Oil	60	13.20	50.00	20.00	200.00	15.00	14.00	70.00	
2142		3	30.00	Coal	10	15.00	Oil	32	6.40	35.00	60.00	45.00	3.00		48.00
2143		4	54.00	Coal	10	15.00	Oil	50	10.00	60.00	30.00	45.00	45.00	4.50	75.00
2144		4 108.00	Coal	12	18.00	Oil	50	10.00	50.00	40.00	70.00	5.00	4.50		
2145		2 36.00	Coal	10	15.00	Oil	36	9.00	70.00	50.00		18.00	4.50	4.00	
2146		4 70.00				Oil	50	5.00	30.00	35.00	125.00	2.00		6.00	
2147		3 36.00	Coal	8	12.00	Oil	40	8.00	45.00	20.00	130.00	2.00	4.50	60.00	
2148		3 36.00	Coal	9	18.00	Oil	46	9.20	60.00	30.00	130.00	1.00	4.50	40.00	
2149		2 36.00				Oil	28	6.00	25.00	25.00		150.00	4.50		
2150	O. H.		Coal	12	24.00	Oil	80	16.00	70.00	25.00	300.00	6.00	4.50	210.00	
2151		2	36.00	Coal	6	12.00	Oil	20	4.00	60.00	20.00	35.00	2.00	4.50	56.00
2152		4	60.00	Coal	10	20.00	Oil	70	14.00	70.00	40.00	175.00	4.00	4.50	60.00
2153	O. H.		Coal	6	12.00	Oil	36	7.20	40.00	25.00	50.00	3.00	4.50		
2154		4	72.00	Coal	12	18.00	Oil	40	10.00	50.00	25.00	175.00	5.00	4.50	60.00
2155		2	36.00	Coal		15.00	Oil	48	12.00	45.00	30.00	125.00	62.00	4.50	
2156		3 50.00				Oil	30	7.50	60.00	30.00	5.00	4.00	4.50	50.00	
2157		..... 48.00	Coal	10	18.00	Oil	12	2.40	15.00	10.00	25.00	5.00	4.10		
2158		..... 36.00	Coal	18	24.00	Oil	24	4.80	45.00	20.00	100.00	25.00	6.50		
2159		3 48.00	Coal	12	21.00	Oil	18	3.60	38.50	18.00	20.00	5.00	3.50		
2160	O. H.		Coal	8	14.00	Oil	18	3.60	47.50	20.00	25.00	10.00	5.50		
2161		9	144.00	Coal	15	26.55	Oil	27	5.40	47.00	23.00	120.00	20.00	15.00	
2162		O. H.		Coal		5.00	Oil	18	3.60	47.50	22.50	60.00	5.00	5.50	
2163	4		72.00	Coal	15	26.25	Oil	20	4.00	60.00	30.00	150.00	10.00	4.50	
2164	3		48.00	Coal	12	18.00	Oil	15	3.00	40.50	25.00	15.00	25.00	5.00	
2165		3 48.00	Coal	8	12.00	Oil	15	3.00	48.50	26.00	18.00	8.00	4.50		
2166	O. H.		Coal	8	14.00	Oil	12	2.40	48.00	32.50		15.00	5.50		
2167		..... 50.00	Coal	12	18.00	Oil	24	4.80	37.50	22.50	15.00	5.00	7.50		



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
.....	.....	\$30.00	\$6.00	\$6.00	\$2.00	\$6.00	.....	\$15.00	\$12.00	\$20.00	\$96.00	\$500.50	2097
.....	.....	6.00	.....	3.00	3.00	7.00	\$6.00	35.00	31.00	15.00	66.00	400.10	2098
.....	.....	6.00	.....	5.00	5.00	3.50	15.00	2.00	29.00	20.00	43.00	339.70	2099
.....	.....	.....	6.00	3.00	5.00	.....	16.00	20.00	8.00	15.00	47.00	521.70	2100
.....	.....	.....	6.00	6.00	3.00	1.00	10.00	10.00	5.00	30.00	34.00	395.50	2101
.....	.....	.....	6.00	.....	3.00	1.00	40.00	.....	.....	28.00	36.00	384.70	2102
.....	.....	.....	6.00	.....	4.50	2.00	.....	.....	18.00	18.00	22.00	381.00	2103
.....	.....	30.00	12.00	15.00	5.00	3.50	.....	12.00	30.00	50.00	97.00	607.80	2104
.....	.....	.....	.....	3.00	2.00	1.50	16.00	3.00	16.80	35.00	95.00	441.30	2105
.....	.....	6.00	20.00	.....	1.00	6.50	15.00	30.00	11.70	50.00	110.00	523.90	2106
.....	.....	.....	12.00	2.00	.....	1.50	6.00	6.00	12.00	12.00	96.00	576.20	2107
.....	.....	.....	18.00	3.00	2.00	1.50	16.00	20.00	22.00	50.00	40.00	578.00	2108
.....	.....	.....	12.00	3.00	2.00	.....	50.00	20.00	18.00	15.00	48.00	629.60	2109
.....	.....	.....	.....	3.00	3.00	7.50	20.00	12.00	9.00	16.00	20.00	452.60	2110
.....	.....	6.00	.....	5.00	3.00	10.00	16.00	.....	10.00	40.00	25.00	563.50	2111
.....	.....	8.00	30.00	5.00	5.00	8.00	20.00	.....	.....	35.00	50.00	393.13	2112
.....	.....	3.00	.....	6.00	3.00	1.50	12.00	.....	15.00	20.00	75.00	565.00	2113
.....	.....	3.00	36.00	.....	1.00	3.50	50.00	24.00	11.75	15.00	25.00	338.35	2114
.....	.....	.....	.....	6.00	4.00	3.50	.....	20.00	28.00	20.00	20.00	342.50	2115
.....	.....	.....	.....	2.50	2.00	1.50	.....	3.00	12.00	20.00	18.00	260.55	2116
.....	.....	.....	.....	3.00	1.00	.....	12.00	10.00	19.50	12.00	37.00	307.70	2117
.....	.....	.....	12.00	5.00	3.00	.....	20.00	3.00	20.00	12.00	14.00	265.90	2118
.....	.....	6.00	.....	2.00	4.00	.....	6.00	.....	16.00	12.00	30.00	339.50	2119
.....	.....	.....	6.00	5.00	5.00	1.50	20.00	.....	.....	12.00	40.00	429.00	2120
.....	.....	.....	6.00	3.00	2.00	.....	4.00	.....	11.50	12.00	18.00	315.30	2121
.....	.....	.....	6.00	.....	1.00	1.50	4.00	.....	5.00	12.00	15.00	243.25	2122
.....	.....	.....	.....	3.00	2.00	1.50	10.00	4.00	15.00	12.00	22.00	237.50	2123
.....	.....	.....	.....	1.00	.....	.....	3.00	30.00	5.00	1.00	14.00	190.50	2124
.....	.....	.....	.....	3.00	1.00	.....	6.00	.....	.....	18.00	16.00	242.10	2125
.....	.....	.....	.....	4.00	.....	.....	.....	6.00	12.00	15.00	22.00	262.50	2126
.....	.....	.....	.....	5.00	.....	.....	4.00	15.00	12.00	12.00	16.00	386.75	2127
.....	.....	6.00	.....	.....	5.00	1.00	4.00	6.00	21.00	12.00	20.00	380.50	2128
.....	.....	.....	.....	4.00	4.00	.....	6.00	.....	14.00	18.00	14.00	335.00	2129
.....	.....	.....	.....	2.00	1.00	.....	.....	3.00	12.00	16.00	18.00	208.00	2130
.....	.....	.....	.....	2.00	.....	.....	4.00	12.00	12.00	12.00	20.00	297.50	2131
.....	.....	.....	.....	.....	1.00	.....	4.00	6.00	11.00	12.00	18.00	288.00	2132
.....	.....	12.00	.....	4.00	4.00	3.00	5.00	.....	13.50	22.00	26.00	387.00	2133
.....	.....	.....	.....	6.00	1.00	.....	8.00	35.00	5.00	12.00	12.00	214.70	2134
.....	.....	.....	.....	1.00	.....	.....	5.00	50.00	.....	12.00	14.00	296.50	2135
.....	.....	.....	.....	2.00	2.00	.....	.....	40.00	20.00	12.00	15.00	325.70	2136
.....	.....	.....	.....	3.00	3.00	1.00	10.00	40.00	12.00	12.00	15.00	289.50	2137
.....	.....	.....	.....	3.00	2.00	.....	20.00	12.00	8.00	12.00	25.00	261.50	2138
.....	.....	.....	.....	3.00	2.00	.....	5.00	15.00	11.00	12.00	16.00	294.50	2139
.....	.....	6.00	18.00	4.00	.....	2.50	25.00	25.00	8.00	5.00	128.00	575.20	2140
.....	.....	.....	.....	40.00	.....	5.00	.....	3.00	.....	15.00	55.00	500.20	2141
.....	.....	.....	18.00	.....	2.00	1.50	50.00	35.00	18.00	10.00	57.00	433.90	2142
.....	.....	.....	12.00	12.00	5.00	1.50	12.00	50.00	20.00	20.00	105.00	676.00	2143
.....	.....	.....	.....	25.00	.....	1.50	18.00	4.00	8.00	15.00	40.00	417.00	2144
.....	.....	.....	.....	.....	2.00	.....	8.00	.....	24.00	17.00	16.00	273.50	2145
.....	.....	.....	.....	6.00	2.00	5.50	10.00	.....	.....	4.00	25.00	325.50	2146
.....	.....	5.00	12.00	3.00	2.00	4.50	.....	3.00	22.00	15.00	45.00	429.00	2147
.....	.....	6.00	6.00	18.00	.....	1.50	16.00	15.00	6.00	50.00	54.00	501.20	2148
.....	.....	.....	.....	25.00	3.00	.....	.....	25.00	15.00	12.00	18.00	344.50	2149
.....	.....	.....	.....	6.00	4.00	1.50	50.00	90.00	40.00	50.00	35.00	932.00	2150
.....	.....	.....	.....	.....	1.00	.....	10.00	35.00	24.00	18.00	20.00	343.50	2151
.....	.....	.....	12.00	3.00	6.00	3.50	12.00	10.00	15.00	25.00	52.00	586.00	2152
.....	.....	.....	.....	2.00	1.00	1.50	5.00	3.00	12.00	22.00	20.00	208.20	2153
.....	.....	.....	.....	.....	4.00	.....	12.00	70.00	12.00	15.00	12.00	544.50	2154
.....	.....	.....	.....	.....	3.00	.....	4.00	2.00	9.00	12.00	23.00	382.50	2155
.....	.....	.....	.....	.....	4.00	.....	.....	.....	.....	12.00	16.00	243.00	2156
.....	.....	7.50	.....	3.00	9.00	.....	.....	.....	12.00	5.00	3.00	167.00	2157
\$1.33	\$25.00	14.00	2.50	2.00	15.00	10.25	25.00	1.50	0.00	32.00	12.00	407.88	2158
.....	.....	10.50	.....	.....	9.00	2.00	3.00	.....	18.00	12.00	10.00	222.10	2159
.....	.....	10.50	.....	.....	9.00	.....	.....	.....	8.00	25.00	54.50	232.60	2160
.....	.....	15.00	3.00	10.00	15.00	8.75	12.00	.....	.....	25.00	25.00	514.70	2161
1.33	.....	7.50	.....	.....	9.00	1.40	.....	.....	12.00	12.00	34.00	226.33	2162
.....	.....	.....	.....	3.00	9.00	5.65	.....	.....	2.50	15.00	5.00	396.90	2163
.....	.....	7.50	.....	.....	9.00	.....	.....	2.00	12.00	12.00	8.00	230.00	2164
.....	.....	10.50	.....	.....	9.00	.....	.....	15.00	9.00	12.00	6.00	229.50	2165
.....	.....	7.50	.....	2.00	9.00	1.00	.....	1.00	12.00	30.00	68.00	247.90	2166
.....	.....	7.50	.....	2.00	9.00	.....	2.00	6.00	0.00	37.00	.....	229.80	2167

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	Pit ex- pen- ses.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
2168	3	\$48.00	Coal	11	\$20.00	Oil	24	\$4.80	\$51.00	\$24.00	\$31.30	\$5.00	\$5.00
2169	3	60.00	Coal	6	9.00	Oil	13	2.50	75.00	25.00	25.00	15.00	5.00
2170	.....	48.00	Coal	8	12.00	Oil	24	4.80	38.00	20.00	20.00	10.00	3.00
2171	.....	48.00	Coal	10	10.00	Oil	10	2.00	35.00	20.00	30.00	15.00	3.88
2172	.....	60.00	Coal	15	22.50	Oil	20	4.00	38.00	19.50	25.00	6.50	4.00
2173	.....	60.00	Coal	8	14.00	Oil	18	3.60	35.00	15.00	15.00	15.00	3.00
2174	.....	48.00	Coal	14	21.00	Oil	30	6.00	34.50	18.00	68.00	25.00	3.50
2175	.....	36.00	Coal	15	22.50	Oil	18	3.60	32.00	12.00	85.00	7.50	3.25
2176	.....	48.00	Coal	16	24.00	Oil	24	4.80	35.00	15.00	75.00	15.00	3.50
2177	O. H.	.....	Coal	8	12.00	Oil	15	3.00	40.00	18.00	25.00	20.00	6.75
2178	.....	48.00	Coal	16	24.75	Oil	15	3.00	25.00	10.00	30.00	2.50	3.50
2179	3	66.00	Coal	20	30.00	Oil	12	2.40	27.50	12.00	25.00	15.80	4.00
2180	2	36.00	Coal	12	18.00	Oil	20	3.00	50.00	25.00	.....	10.00	3.50
2181	.....	48.00	Coal	8	12.00	Oil	15	3.00	27.50	15.00	.....	10.00	3.50
2182	.....	48.00	Coal	16	24.00	Oil	20	4.00	75.00	50.00	.....	25.00	3.00
2183	.....	48.00	Coal	8	12.00	Oil	12	2.40	65.00	38.50	50.00	5.00	3.50
2184	.....	48.00	Coal	7	10.00	Oil	10	2.00	50.00	20.00	10.00	5.00	2.75
2185	.....	48.00	Coal	8	12.00	Oil	20	4.00	50.00	15.00	30.00	8.00	2.75
2186	.....	36.00	Coal	8	12.00	Oil	10	2.00	37.50	25.00	.....	5.00	2.75
2187	.....	48.00	Coal	8	12.00	Oil	10	2.00	25.00	15.00	25.00	5.00	3.00
2188	.....	48.00	Coal	8	12.00	Oil	24	4.80	30.00	15.00	45.00	5.00	6.00
2189	.....	48.00	Coal	15	21.75	Oil	20	4.00	50.00	25.00	.....	15.00	3.00
2190	.....	72.00	Coal	12	21.00	Oil	24	4.80	60.00	25.00	35.00	16.00	3.50
2191	.....	48.00	Coal	14	21.00	Oil	24	4.80	35.00	15.00	20.00	10.00	3.50
2192	O. H.	.....	Coal	12	18.00	Oil	18	3.60	35.00	15.00	.....	7.50	8.00
2193	4	60.00	Coal	.....	45.50	Oil	24	3.60	25.00	20.00	75.00	3.25	.....
2194	4	60.00	Coal	.....	36.00	Oil	16	2.50	30.00	40.00	30.00	36.00	.....
2195	4	54.00	.....	.....	.....	Oil	24	3.60	35.00	15.00	35.00	.....	.....
2196	4	60.00	Coal	.....	29.60	Oil	12	1.80	18.00	6.00	40.00	.....	.....
2197	O. H.	.....	Coal	.....	18.00	Oil	12	1.80	34.00	12.00	30.00	.....	1.00
2198	O. H.	.....	Coal	.....	7.40	Oil	12	1.80	25.00	15.00	20.00	150.00	.....
2199	4	00.00	Coal	.....	25.00	Oil	12	1.80	25.00	25.00	.....	.....	.....
2200	4	60.00	Coal	.....	28.40	Oil	24	3.60	20.00	12.00	50.00	10.50	.....
2201	4	60.00	Coal	.....	32.00	Oil	24	3.60	25.00	10.00	30.00	.....	.....
2202	4	60.00	Coal	.....	6.00	Oil	48	7.20	25.00	12.00	50.00	.....	.....
2203	3	30.00	Coal	.....	12.00	Oil	12	2.40	30.00	18.00	40.00	.....	.....
2204	3	18.00	Coal	.....	12.00	Oil	24	3.60	40.00	20.00	.....	150.00	.....
2205	2	30.00	Coal	.....	12.00	Oil	30	4.50	20.00	30.00	50.00	.....	.....
2206	3	36.00	Coal	.....	12.00	Oil	12	2.40	20.00	10.00	35.00	.....	.....
2207	4	30.00	Coal	.....	12.00	Oil	12	2.40	45.00	30.00	30.00	.....	.....
2208	2	48.00	Coal	.....	12.00	Oil	15	3.00	45.00	25.00	10.00	.....	.....
2209	2	36.00	Coal	.....	12.00	Oil	12	1.80	45.00	15.00	15.00	.....	.....
2210	2	30.00	Coal	.....	12.00	Oil	24	3.60	30.00	12.00	10.00	.....	.....
2211	3	24.00	Coal	.....	12.00	Oil	10	2.00	15.00	8.00	10.00	.....	.....
2212	3	24.00	Coal	.....	12.00	Oil	12	2.40	28.00	12.00	.....	.....	.....
2213	4	24.00	Coal	.....	12.00	Oil	15	3.00	30.00	15.00	40.00	.....	.....
2214	2	60.00	Coal	.....	12.00	Oil	20	3.00	30.00	20.00	25.00	10.00	.....
2215	.....	Free.	Coal	.....	12.00	Oil	10	2.00	20.00	15.00	30.00	.....	.....
2216	2	24.00	.....	.....	.....	Oil	12	2.40	12.00	5.00	50.00	.....	.....
2217	6	48.00	Coal	.....	12.00	Oil	12	2.40	25.00	6.00	60.00	.....	.....
2218	6	30.00	Coal	.....	17.50	Oil	18	2.70	27.00	15.00	12.00	.....	.....
2219	3	30.00	Coal	.....	21.00	Oil	24	3.60	15.00	4.00	8.00	52.50	.....
2220	6	57.00	Coal	.....	21.00	Oil	30	4.50	23.00	7.50	60.00	.....	.....
2221	6	57.00	Coal	.....	21.00	Oil	24	3.60	23.00	.....	60.00	15.00	.....
2222	4	60.00	Coal	.....	36.00	Oil	20	3.00	40.00	30.00	20.00	.....	.....
2223	3	50.00	Coal	.....	30.00	Oil	12	1.80	35.00	18.00	15.00	.....	.....
2224	6	60.00	Coal	.....	36.00	Oil	24	3.60	40.00	20.00	80.00	2.00	.....
2225	.....	36.00	Coal	.....	36.00	Oil	32	4.73	30.00	18.00	20.00	.....	.....
2226	O. H.	.....	Coal	.....	36.00	Oil	.....	3.60	50.00	20.00	50.00	.....	4.37
2227	5	72.00	Coal	.....	26.40	Oil	36	3.60	50.00	30.00	150.00	20.00	.....
2228	O. H.	.....	Wood	.....	24.00	Oil	24	3.60	100.00	97.00	20.00	.....	6.00
2229	O. H.	.....	Coal	.....	25.80	Oil	52	5.20	50.00	35.00	145.00	20.00	3.00
2230	2	30.00	Coal	10	10.00	Oil	12	1.80	6.00	12.00	.....	.....	.....
2231	4	72.00	Coal	.....	15.00	Oil	20	3.00	70.00	40.00	.....	35.00	8.00
2232	O. H.	.....	Coal	12	20.00	Oil	42	5.04	60.00	45.00	185.00	.....	5.00
2233	O. H.	.....	Coal	10	12.50	Oil	24	3.60	20.00	20.00	60.00	.....	15.60
2234	O. H.	.....	.....	.....	.....	Oil	36	3.96	20.00	20.00	75.00	.....	4.00
2235	O. H.	.....	Coal	12	30.00	Oil	18	2.70	3.00	2.00	.....	.....	2.16
2236	6	57.00	Coal	.....	21.00	Oil	24	3.60	25.00	10.00	50.00	.....	3.00
2237	4	54.00	Coal	.....	6.00	Oil	24	3.60	18.00	12.00	15.00	.....	.....
2238	4	54.00	Coal	.....	7.50	Oil	12	1.80	20.00	12.00	10.00	.....	.....



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. Indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
-----	-----	\$10.50	-----	\$3.00	\$9.00	\$2.00	-----	\$10.00	\$12.00	\$12.00	\$5.00	\$252.60	2168
-----	-----	10.50	-----	-----	9.00	-----	-----	-----	10.00	15.00	10.00	271.00	2169
-----	-----	7.50	-----	-----	9.00	2.00	\$2.00	2.00	15.00	10.00	5.00	208.30	2170
-----	-----	10.50	\$14.20	2.00	9.00	8.00	-----	-----	-----	10.00	44.75	262.33	2171
-----	-----	7.50	-----	1.00	9.00	2.00	-----	-----	-----	15.00	7.50	221.50	2172
-----	-----	7.50	-----	-----	9.00	2.50	-----	12.00	10.00	15.00	5.00	221.60	2173
-----	-----	14.00	6.00	-----	15.00	1.00	-----	3.00	24.00	20.00	3.50	310.50	2174
-----	-----	7.50	-----	1.00	12.00	-----	-----	-----	24.00	17.00	4.80	268.15	2175
-----	-----	7.50	-----	1.00	10.00	7.00	-----	2.00	12.00	15.00	8.00	282.80	2176
\$1.75	-----	7.50	-----	8.00	9.00	4.00	-----	-----	12.00	16.00	4.75	187.75	2177
-----	-----	7.50	-----	-----	9.00	1.50	-----	-----	3.00	15.00	6.00	188.75	2178
-----	-----	7.50	-----	2.00	9.00	1.00	3.00	-----	6.00	34.00	7.50	252.70	2179
-----	-----	7.50	3.50	2.00	9.00	1.00	27.00	5.00	9.00	15.00	6.75	231.25	2180
-----	-----	7.50	-----	6.00	9.00	-----	-----	10.00	12.00	12.00	7.50	183.00	2181
-----	-----	7.50	-----	-----	9.00	1.00	-----	-----	12.00	12.00	8.50	279.00	2182
-----	-----	7.50	-----	-----	9.00	-----	-----	-----	12.00	12.00	7.85	272.75	2183
-----	-----	7.50	-----	-----	9.00	2.00	-----	5.00	15.00	20.00	4.00	210.25	2184
-----	-----	7.50	-----	-----	9.00	5.00	-----	8.00	12.00	15.00	6.80	233.05	2185
-----	-----	7.50	-----	-----	9.00	-----	-----	5.00	15.00	12.00	7.50	176.25	2186
-----	-----	7.50	-----	-----	9.00	-----	-----	5.00	6.00	5.00	4.00	171.50	2187
-----	-----	7.50	-----	10.00	9.00	10.00	-----	-----	10.00	12.00	10.00	234.30	2188
-----	-----	7.50	-----	-----	9.00	-----	5.00	6.00	6.00	15.00	4.80	220.05	2189
-----	-----	7.50	-----	-----	9.00	-----	-----	15.00	12.00	20.00	8.00	308.80	2190
-----	-----	10.50	-----	2.00	9.00	1.25	-----	-----	12.00	20.00	5.50	217.55	2191
2.00	\$12.00	-----	-----	8.00	9.00	2.50	-----	2.50	6.00	30.00	65.50	224.60	2192
-----	-----	8.00	-----	-----	8.00	1.00	-----	5.00	13.20	2.50	11.00	281.05	2193
-----	-----	5.00	-----	-----	4.00	3.00	50.00	-----	3.60	40.00	11.00	351.10	2194
-----	-----	-----	5.00	7.00	2.00	5.00	-----	2.50	14.40	25.00	9.00	212.50	2195
-----	-----	4.00	-----	-----	2.50	3.50	-----	12.00	7.00	25.00	5.60	215.00	2196
1.50	-----	2.00	-----	-----	2.00	5.00	-----	-----	5.20	-----	6.50	117.00	2197
-----	-----	-----	-----	-----	2.00	-----	-----	-----	-----	-----	120.50	341.70	2198
-----	-----	5.00	-----	-----	2.25	-----	-----	-----	7.20	50.00	14.00	215.25	2199
-----	-----	4.00	-----	-----	2.00	2.15	-----	5.00	13.00	12.00	12.50	235.15	2200
-----	-----	3.00	-----	-----	2.00	1.25	-----	-----	5.00	-----	12.00	183.85	2201
-----	-----	4.00	-----	-----	3.00	3.00	-----	5.00	12.00	15.00	7.50	209.70	2202
-----	-----	-----	5.00	-----	1.00	1.00	2.00	5.00	15.00	12.00	38.25	211.65	2203
-----	-----	-----	-----	-----	1.00	.75	5.00	6.00	9.00	11.00	5.80	282.15	2204
-----	20.00	-----	8.00	-----	1.00	1.50	10.00	15.00	40.00	12.00	79.00	333.00	2205
-----	-----	8.00	4.50	-----	1.00	3.00	-----	-----	12.00	12.00	40.00	195.90	2206
-----	-----	4.00	-----	-----	1.00	4.00	-----	3.00	3.00	15.00	28.50	207.90	2207
-----	-----	-----	-----	-----	1.00	-----	-----	3.00	-----	2.00	41.00	190.00	2208
-----	-----	4.00	3.00	-----	1.00	3.00	-----	-----	12.00	-----	40.50	188.30	2209
-----	-----	-----	-----	-----	1.00	3.00	-----	2.00	-----	12.00	35.50	151.10	2210
-----	-----	-----	-----	-----	1.00	-----	-----	3.00	12.00	6.00	4.50	96.50	2211
-----	-----	-----	-----	-----	1.00	5.00	5.00	6.00	12.00	-----	14.50	111.90	2212
-----	-----	-----	-----	-----	1.00	.50	-----	5.00	12.00	12.00	34.20	193.20	2213
-----	-----	-----	-----	-----	1.00	-----	5.00	-----	7.80	3.00	14.50	110.30	2214
-----	-----	-----	-----	-----	-----	.30	-----	12.00	12.00	12.00	3.00	132.70	2215
-----	-----	6.00	-----	-----	.50	-----	2.00	6.00	42.00	3.00	206.90	206.90	2216
-----	-----	6.00	-----	-----	2.25	2.50	3.00	3.00	3.25	15.00	2.00	147.20	2217
-----	-----	6.00	-----	-----	1.50	-----	-----	6.00	7.68	6.00	11.00	168.28	2218
-----	-----	3.00	-----	-----	3.25	3.75	4.00	12.00	7.68	12.00	35.50	257.18	2219
-----	-----	-----	-----	-----	3.00	2.00	20.00	8.00	15.00	12.00	15.00	254.60	2220
-----	-----	10.00	-----	-----	-----	-----	-----	5.00	7.68	-----	9.00	213.68	2221
-----	-----	-----	10.00	-----	3.00	1.00	-----	-----	1.92	16.00	8.00	184.72	2222
-----	-----	-----	-----	3.00	1.00	6.00	5.00	6.00	4.20	12.00	12.00	287.80	2223
4.00	-----	-----	-----	-----	1.50	5.00	-----	-----	-----	4.50	16.50	175.23	2224
-----	-----	12.00	-----	-----	30.00	6.00	-----	-----	-----	4.00	68.00	275.97	2225
-----	-----	12.00	-----	-----	10.00	5.20	-----	-----	15.00	12.00	9.00	415.20	2226
-----	-----	8.25	12.00	-----	5.00	4.50	-----	-----	6.00	100.00	4.00	382.10	2227
-----	-----	4.20	6.00	-----	5.00	5.00	5.00	-----	7.00	12.00	8.00	327.25	2228
-----	-----	4.20	6.50	4.00	2.00	4.00	-----	10.00	7.00	12.00	3.00	114.00	2229
-----	-----	6.00	-----	-----	4.00	3.00	-----	3.00	7.00	29.60	5.00	308.70	2230
7.00	-----	-----	6.00	-----	3.00	10.00	-----	-----	6.00	20.00	49.00	414.04	2231
-----	-----	-----	-----	7.00	10.00	5.00	-----	-----	5.00	115.00	30.00	310.70	2232
-----	-----	12.00	-----	-----	2.60	-----	-----	-----	-----	10.00	38.00	188.56	2233
8.00	-----	1.20	-----	5.00	4.00	3.00	-----	-----	-----	5.00	38.50	104.56	2234
-----	-----	6.00	4.60	-----	3.25	.25	8.00	5.00	10.00	12.00	6.00	224.70	2235
-----	-----	3.00	1.35	-----	2.00	10.00	-----	-----	3.60	-----	6.00	134.55	2236
-----	-----	4.00	6.00	-----	2.00	-----	-----	2.00	3.60	-----	8.00	130.90	2237



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bad- got num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.	Pit ex- pen- ses.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.		
2230	4	\$54.00	Coal	.....	.....	Oil	47	\$7.00	\$20.00	\$15.00	\$50.00	.....	.....
2240	3	54.00	Coal	.....	\$19.20	Oil	24	3.60	30.00	12.00	10.00	.....	.....
2241	3	30.00	Coal	.....	21.00	Oil	24	3.60	18.50	10.00	50.00	\$2.00	.....
2242	3	30.00	Coal	.....	22.50	Oil	20	3.00	18.00	10.00	25.00	.....	.....
2243	3	30.00	Coal	.....	14.00	Oil	24	3.60	25.00	20.00	60.00	.....	.....
2244	O. H.	.....	Coal	8	20.00	Oil	10	1.00	30.00	20.00	20.00	.....	\$9.00
2245	O. H.	.....	Coal	.....	42.00	Oil	24	3.60	30.00	20.00	75.00	4.00	5.80
2246	3	48.00	Coal	.....	30.00	Oil	15	2.25	25.00	10.00	40.00	5.00	.....
2247	.....	30.00	Coal	.....	36.00	.....	12	1.20	20.00	15.00	15.00	.....	.....
2248	4	60.00	Coal	.....	36.00	Oil	24	3.60	30.00	20.00	50.00	.....	.....
2249	3	52.00	Coal	.....	38.80	Oil	14	2.16	20.00	30.00	40.00	40.00	.....
2250	O. H.	.....	Coal	.....	36.00	Oil	12	1.80	35.00	15.00	30.00	.....	6.50
2251	6	48.00	Coal	22	22.00	Oil	48	4.80	50.00	40.00	200.00	35.00	.....
2252	3	60.00	Coal	.....	10.00	Oil	24	2.40	10.00	10.00	20.00	.....	.....
2253	3	48.00	Coal	10	15.50	Oil	30	3.90	40.00	25.00	25.00	.....	.....
2254	O. H.	.....	Coal	13	18.00	Oil	24	2.40	5.00	7.00	20.00	.....	2.23
2255	4	24.00	Coal	.....	12.00	Oil	12	2.40	25.00	20.00	80.00	8.00	8.00
2256	4	60.00	.....	.....	.....	Oil	24	2.40	35.00	20.00	60.00	.....	.....
2257	2	36.00	.....	.....	14.00	.....	12	1.80	4.50	5.00	5.00	.....	.....
2258	O. H.	.....	.....	.....	.....	Oil	24	3.60	20.00	8.00	75.00	.....	1.90
2259	O. H.	.....	Coal	16	20.00	Oil	30	3.90	25.00	24.00	26.00	15.00	8.00
2260	O. H.	.....	.....	.....	.....	Oil	30	3.00	25.00	10.00	30.00	.....	1.04
2261	3	51.00	Coal	12	15.00	Oil	36	3.60	20.00	15.00	25.00	.....	.....
2262	4	60.00	.....	.....	.....	Oil	12	1.80	12.00	5.00	.....	.....	.....
2263	4	60.00	Coal	.....	16.00	Oil	12	1.80	20.00	6.50	30.00	.....	.....
2264	5	57.00	Coal	.....	21.00	Oil	24	3.60	21.00	10.00	50.00	10.00	.....
2265	6	57.00	Coal	.....	21.00	Oil	15	2.25	24.00	15.00	50.00	3.00	.....
2266	4	33.00	Coal	.....	16.50	Oil	24	3.60	20.00	12.00	75.00	.....	.....
2267	5	60.00	Coal	.....	36.00	Oil	30	4.50	50.00	30.00	30.00	.....	.....
2268	O. H.	.....	Coal	.....	36.00	Oil	24	2.40	40.00	12.00	125.00	12.75	.....
2269	O. H.	.....	Coal	.....	30.00	Oil	15	2.25	15.00	10.00	.....	3.00	.....
2270	4	48.00	Coal	.....	30.00	Oil	12	1.80	37.50	18.00	50.00	.....	.....
2271	O. H.	.....	Coal	.....	33.00	Oil	12	1.80	30.00	18.00	15.00	.....	3.00
2272	O. H.	.....	Coal	.....	18.00	Oil	42	6.30	15.00	10.00	186.50	12.00	.....
2273	6	96.00	Coal	.....	32.00	Oil	84	12.60	70.00	50.00	180.00	30.00	3.60
2274	O. H.	.....	Coal	20	36.00	Oil	24	4.80	25.00	20.00	219.00	10.00	.....
2275	4	72.00	Coal	9	14.00	Oil	24	2.40	50.00	20.00	125.00	.....	.....
2276	O. H.	.....	Coal	12	15.00	Oil	12	1.44	25.00	30.00	50.00	15.00	3.30
2277	O. H.	.....	Coal	24	36.00	Oil	48	6.00	25.00	15.00	300.00	.....	.....
2278	3	54.00	.....	.....	.....	Oil	24	3.60	45.00	20.00	40.00	.....	.....
2279	O. H.	.....	.....	.....	.....	Oil	48	7.20	75.00	45.00	120.00	.....	.....
2280	2	38.00	Coal	10	12.00	Oil	24	3.60	35.00	25.00	100.00	10.00	.....
2281	3	36.00	Coal	8	9.00	Oil	12	1.20	30.00	30.00	17.00	.....	.....
2282	O. H.	.....	.....	.....	.....	Oil	48	6.24	10.00	7.00	50.00	1.90	.....
2283	O. H.	.....	.....	.....	.....	Oil	20	2.00	15.00	10.00	12.00	1.15	.....
2284	4	60.00	Coal	.....	20.00	Oil	12	1.80	30.00	15.00	15.00	35.00	.....
2285	4	60.00	Coal	.....	20.00	Oil	10	1.50	25.00	15.00	15.00	.....	.....
2286	4	60.00	Coal	.....	20.00	Oil	12	1.80	30.00	10.00	40.00	10.00	.....
2287	4	60.00	Coal	.....	25.60	Oil	12	1.80	25.00	12.00	15.00	.....	.....
2288	4	54.00	.....	.....	.....	Oil	24	3.60	12.00	10.00	75.00	.....	.....
2289	4	60.00	Coal	.....	25.00	Oil	15	2.65	20.00	8.00	75.00	.....	.....
2290	4	60.00	Coal	.....	25.60	Oil	12	1.80	30.00	10.00	60.00	1.75	.....
2291	6	57.00	Coal	.....	21.00	Oil	12	1.80	30.00	20.00	20.00	10.00	.....
2292	3	30.00	Coal	.....	14.00	Oil	12	1.80	20.00	12.00	15.00	.....	.....
2293	3	30.00	Coal	.....	14.00	Oil	24	3.60	12.00	8.00	.....	.....	.....
2294	4	60.00	Coal	.....	36.00	Oil	24	2.40	25.00	25.00	100.00	15.00	.....
2295	2	48.00	.....	.....	.....	Oil	10	1.50	15.00	10.00	.....	.....	.....
2296	O. H.	.....	N. gas	.....	25.00	Oil	.....	3.50	35.00	40.00	200.00	15.00	8.00
2297	O. H.	.....	N. gas	.....	15.00	.....	.....	2.50	55.00	35.00	75.00	5.00	30.00
2298	O. H.	.....	Coal	.....	15.75	.....	.....	5.98	35.00	35.00	250.00	30.00	15.00
2299	O. H.	.....	Coal	.....	11.90	Oil	9	1.12	42.00	25.00	.....	11.50	.....
2300	O. H.	.....	Coal	.....	21.00	Oil	.....	4.00	20.00	10.00	10.00	10.80	.....
2301	4	84.00	Coal	10	18.00	Oil	12	1.44	30.00	25.00	30.00	5.00	3.50
2302	3	54.00	Coal	.....	14.25	Oil	24	2.40	12.00	4.00	10.00	1.05	14.39
2303	3	45.50	Coal	.....	34.20	Oil	12	1.20	12.00	10.00	55.00	1.58	11.50
2304	3	65.00	Coal	.....	2.25	Oil	24	2.40	61.00	21.00	.....	31.00	1.45
2305	3	73.00	Coal	.....	9.75	Oil	30	3.00	49.00	20.00	20.00	2.00	2.08
2306	O. H.	.....	Coal	.....	.....	Oil	12	1.20	10.00	15.00	115.00	19.00	4.50
2307	O. H.	.....	Coal	.....	.....	Oil	.....	1.20	20.00	7.25	.....	3.25	11.29
2308	4	52.00	Coal	.....	20.25	Oil	26	2.60	12.00	5.00	75.00	2.00	1.58
2309	O. H.	.....	Coal	.....	.....	Oil	15	1.50	27.00	15.00	.....	6.70	10.78

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
					\$2.00	\$7.50				\$30.00	\$88.00	\$273.50	2239
			\$6.00		2.00	1.00		\$12.00	\$3.60	5.00	11.00	169.40	2240
		\$6.00			1.50	4.00	\$2.00	5.00	3.60	12.00	37.00	206.20	2241
					6.00	7.00			19.20	15.00	16.00	171.70	2242
\$12.86		4.00	6.00		3.50	3.50	3.60	6.00	30.00	12.00	23.00	244.20	2243
2.10		3.00	2.40	\$6.00	4.00				5.00	100.00	53.00	286.26	2244
		10.00	6.00		2.00	4.00		26.00		70.00	91.20	391.70	2245
		5.00		3.00		3.00				25.00	11.00	207.25	2246
			6.00	.75		2.00	2.00	4.00		1.00	13.30	146.25	2247
	\$7.80	4.20				1.00	10.00	12.00	10.00	6.00	14.00	264.60	2248
		5.40				1.50			2.00	.50	19.76	252.12	2249
2.00		6.00	4.00	8.00	3.00	3.65			4.16	12.00	70.00	237.11	2250
		7.00		5.00		2.00			20.00	12.00	10.00	455.80	2251
		4.00			5.00			5.00	12.00		5.00	143.40	2252
		6.00	4.80		4.00	1.00			6.00	12.00	11.60	202.80	2253
					6.00				10.40	3.00	9.00	83.03	2254
				10.00	1.00	7.00	10.00		6.00		10.00	223.40	2255
		6.00		20.00	3.00	5.00		25.00	12.00	12.00	9.60	270.00	2256
		1.00			2.00			10.00	15.00	50.00	4.00	148.30	2257
					4.00	2.00			4.82		2.50	121.32	2258
1.25	5.20					4.50		12.00		10.00	4.50	159.35	2259
		1.20			2.00			10.00	6.84		4.00	93.08	2260
					6.00	1.00			12.00	40.00	6.00	194.60	2261
		4.00			2.00	1.80		12.00	9.00	25.00	10.00	142.60	2262
		4.00			1.00	3.65		12.00	3.60	2.00	4.40	164.95	2263
		6.00			2.00	5.00	10.00	3.00	7.68	12.00	2.00	230.28	2264
					2.00	2.00	4.00		5.00	8.00	5.00	193.25	2265
		6.00		2.00	.50	3.00	5.00	25.00	6.40	12.00	14.00	235.00	2266
			3.00	10.00	10.00	9.00	10.00	3.00	5.00	2.00	17.00	279.50	2267
4.83		3.00		8.00	15.00	5.00		5.00	6.24	12.00	264.00	551.22	2268
		5.24		6.00	5.00			18.00	5.20	10.00	2.00	111.69	2269
			4.00	5.00	1.00	3.00		2.00	10.00	7.00	8.50	225.80	2270
2.00				6.00	12.00	6.00		3.84	3.84	35.00	3.00	172.48	2271
2.50		6.00	6.00	12.00	3.00	3.50			10.00	12.00	53.00	355.80	2272
				15.00	10.00	13.00		48.00	30.00		10.00	600.20	2273
10.00		1.80		15.00	2.00	3.25			12.00		57.30	416.15	2274
				22.00	1.50				20.00	12.00	7.40	346.30	2275
		1.20	6.00	18.00	5.00	1.00			12.00		12.00	194.94	2276
		12.00		23.00		5.00			32.00	12.00	63.40	529.40	2277
		4.20	5.00	13.00	3.00	2.50			6.00	.50	4.00	200.80	2278
				25.00	8.00	20.00			7.00		47.00	354.20	2279
		3.60		3.00	5.00	5.00		30.00	10.00	10.00	5.00	295.20	2280
				2.00	7.00			10.00	6.00	10.00	5.00	163.20	2281
		6.00					3.00				7.50	92.54	2282
								10.00		5.00	4.00	59.15	2283
		4.00			5.00	8.00		12.00	5.00	8.00	39.00	257.80	2284
		4.00			5.00	7.00		12.00	2.40	6.00	49.00	221.90	2285
					2.00	1.00		5.00	6.00	10.00	8.00	193.80	2286
					3.00				7.20	12.00	8.50	180.10	2287
				1.00	3.00	1.50		3.00	9.00	5.00	8.00	185.10	2288
					3.50	1.00		3.00	3.00	10.00	10.00	221.15	2289
					2.00				3.60	17.00	13.50	225.25	2290
		6.00			3.00	5.00	10.00		5.00	5.00	10.25	204.05	2291
				2.00	3.00	5.00		6.00	6.00	7.50	31.00	153.30	2292
		6.00			2.50					10.00	35.20	121.30	2293
		8.20	7.20		1.50	5.00	20.00	10.00	4.80	12.00	12.00	350.10	2294
		4.20			1.00	1.00			1.00	10.00	7.00	128.70	2295
3.50				12.00	3.00	7.50	5.00		11.50	12.00	9.00	390.00	2296
6.00				5.00	4.50	20.00	2.00			12.00	10.00	277.00	2297
2.50		13.00	10.00	2.00	2.00	3.50			8.75	8.00	7.00	443.48	2298
1.25			11.44	3.00	2.00	1.75			4.16		10.00	125.12	2299
2.00				1.25	1.50	1.55		3.00	8.32	18.70	20.00	132.12	2300
		1.00		1.00	3.00	3.00	3.00	2.00	3.84	22.00	5.00	240.78	2301
						2.75		15.00	3.90	22.00	23.00	180.84	2302
		.90		4.00		.50	2.00		3.60	10.00	17.00	218.28	2303
				15.00		13.40	10.40		7.20		38.00	294.00	2304
				5.00		5.75		5.00	6.32	104.00	30.00	354.60	2305
				1.25		3.50	5.00	4.16		5.00	18.00	232.45	2306
1.57				5.00					6.00		12.50	76.16	2307
		7.20	2.10			6.42				25.00	65.20	276.35	2308
3.25			2.10	5.00		1.00		3.00	10.40	10.00	71.75	167.40	2309



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.	Pit ex- pen- ses.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.				Chil- dren.
2310		3 39.00	Coal	.....	\$8.55	Oil	19	\$1.90	\$7.50	\$7.00	\$16.00	.....	.....	\$10.11
2311	O. H.	3 48.00	Coal	.....	20.40	Oil	28	2.80	26.70	8.00	7.00	\$5.00	\$1.58	.....
2312		.....	Coal	.....	.....	Oil	30	3.00	20.00	15.00	20.00	1.00	28.00	11.14
2313		3 39.00	Coal	.....	19.95	Oil	15	1.50	70.00	35.00	.....	65.00	1.58	13.95
2314		3 65.00	Coal	.....	17.50	Oil	12	1.20	7.50	5.00	15.00	.....	2.38	15.15
2315		.....	Free	.....	.....	Oil	15	1.50	17.50	8.50	23.00	.....	.....	11.31
2316	O. H.	6 72.00	Gas	.....	25.00	Oil	12	1.20	34.00	17.00	45.00	113.50	1.62	.....
2317		.....	Coal	.....	3.00	Oil	9	.90	25.00	23.75	3.50	.....	2.50	14.63
2318		4 78.00	Coal	.....	15.75	Oil	12	1.20	18.00	30.00	5.00	5.00	1.58	15.63
2319		2 39.00	Coal	.....	22.80	Oil	15	1.50	12.00	12.00	100.00	14.00	1.28	19.33
2320		3 65.00	Coal	.....	11.00	Oil	.....	.90	19.25	12.00	15.00	26.00	2.08	5.60
2321		3 52.00	Coal	.....	19.95	Oil	12	1.20	5.00	5.00	20.00	.....	1.58	14.21
2322		4 65.00	.....	.....	.....	Oil	15	1.50	50.00	25.00	.....	.....	1.95	.....
2323		3 52.00	Coal	.....	18.00	Oil	12	1.20	15.00	7.50	23.00	10.00	1.58	13.13
2324		3 52.00	Coal	.....	17.10	Oil	25	2.50	20.75	10.00	10.00	2.00	2.08	.....
2325		5 78.00	.....	.....	6.00	.....	.....	3.20	45.00	25.00	.....	15.00	2.98	55.08
2326		5 78.00	.....	.....	9.00	.....	.....	10.00	50.00	30.00	35.00	.....	3.20	.....
2327		5 78.00	.....	.....	7.00	.....	.....	3.60	32.00	10.00	30.00	3.00	.....	.....
2328		5 78.00	.....	.....	7.50	.....	64	12.80	39.75	12.55	17.59	23.00	2.92	.....
2329		2 36.00	.....	.....	15.00	.....	.....	2.90	50.00	30.00	.....	198.00	1.68	.....
2330		6 96.00	.....	.....	7.50	.....	.....	3.00	76.00	32.00	89.00	75.00	2.75	.....
2331	.....	55.00	.....	.....	13.00	.....	.....	3.60	72.00	45.00	.....	100.00	2.78	.....
2332		5 78.00	.....	.....	6.00	.....	.....	3.60	50.00	25.00	15.00	3.00	3.40	.....
2333		5 78.00	.....	.....	5.50	.....	39	7.80	28.00	10.00	5.00	4.00	.....	.....
2334		5 78.00	.....	.....	9.00	.....	.....	4.80	50.00	50.00	50.00	36.50	.....	.....
2335		5 78.00	Coal	.....	7.50	.....	.....	2.75	38.00	30.00	20.00	47.25	2.58	.....
2336		4 75.00	.....	.....	4.50	.....	.....	4.20	10.80	9.60	13.45	1.25	1.22	.....
2337	O. H.	.....	.....	.....	15.00	.....	.....	5.20	35.00	21.90	10.20	25.00	13.58	.....
2338		3 48.00	.....	.....	12.00	.....	.....	4.80	19.10	33.40	15.80	6.00	3.51	.....
2339		5 120.00	.....	.....	19.25	.....	.....	7.80	30.00	16.00	85.00	3.45	8.61	.....
2340		5 78.00	.....	.....	6.00	.....	.....	4.80	50.00	10.00	10.00	40.00	3.12	.....
2341		5 78.00	.....	.....	8.00	.....	.....	3.40	60.00	30.00	15.00	12.00	9.00	.....
2342		4 72.00	Coal	.....	25.50	Oil	27	3.24	45.00	15.00	35.00	4.00	1.75	.....
2343		6 60.00	.....	.....	12.00	.....	.....	4.60	30.00	25.00	35.00	64.00	3.47	.....
2344		4 72.00	.....	.....	17.00	.....	.....	4.20	40.00	30.00	10.00	11.00	.....	.....
2345	O. H.	.....	.....	.....	13.50	.....	.....	8.80	39.00	8.25	28.10	14.08	13.75	.....
2346		4 38.00	.....	.....	21.00	.....	.....	2.40	28.00	12.00	50.00	.....	3.75	.....
2347	O. H.	.....	Coal	.....	9.00	.....	.....	3.00	12.50	7.16	12.00	4.00	5.20	.....
2348		7 36.00	.....	.....	8.00	.....	.....	3.60	25.00	20.00	.....	3.65	3.68	.....
2349		4 100.00	Coal	.....	12.00	Oil	20	2.00	83.50	50.00	.....	200.00	3.00	.....
2350	O. H.	.....	.....	.....	12.00	.....	.....	6.00	20.00	10.00	140.00	3.75	8.50	.....
2351		3 48.00	.....	.....	.....	.....	.....	3.08	18.00	12.00	25.00	.....	2.11	.....
2352		7 84.00	.....	.....	12.00	.....	.....	7.20	30.00	22.00	90.00	78.00	3.18	.....
2353		7 78.00	.....	.....	15.60	.....	.....	3.80	25.00	15.00	240.00	110.00	7.11	.....
2354		4 60.00	.....	.....	9.00	.....	.....	5.20	30.00	20.00	12.00	16.00	2.11	.....
2355		4 36.00	.....	.....	4.50	.....	.....	5.26	12.00	6.82	52.00	3.25	2.11	.....
2356	.....	150.00	Gas	.....	21.60	.....	.....	3.90	15.00	30.00	15.00	36.00	2.35	.....
2357		3 48.00	.....	.....	9.00	.....	.....	3.20	35.00	28.00	.....	12.50	2.11	.....
2358	O. H.	.....	.....	.....	9.00	.....	.....	5.20	20.00	12.00	15.00	12.50	2.11	.....
2359		.....	Coal	.....	12.00	Oil	30	3.00	33.64	15.00	85.00	5.00	11.35	26.10
2360		4 84.00	Coal	.....	8.00	Oil	31	3.10	51.75	10.00	20.00	2.00	2.83	.....
2361		4 48.00	Coal	.....	.....	.....	.....	5.58	25.00	10.00	25.00	10.50	2.11	.....
2362		6 78.00	.....	.....	12.00	.....	.....	6.70	42.00	18.00	160.00	18.25	3.11	.....
2363	O. H.	.....	.....	.....	9.00	.....	.....	5.00	18.00	8.00	10.00	3.00	2.11	.....
2364		.....	.....	.....	9.00	.....	.....	6.20	16.80	6.20	11.00	2.20	3.18	.....
2365		3 72.00	Coal	.....	18.00	Oil	26	2.60	31.00	41.75	.....	23.00	2.70	28.29
2366		2 48.00	Coal	.....	10.50	Oil	12	1.20	13.70	40.30	6.00	.....	.85	.....
2367		3 72.00	.....	.....	6.00	Oil	28	2.60	25.00	10.65	11.00	.....	.....	24.50
2368	O. H.	.....	Coal	.....	17.50	Oil	.....	2.03	11.50	6.00	15.00	.....	4.58	25.05
2369		3 54.00	Coal	.....	7.50	Oil	15	1.50	23.60	3.70	53.40	1.00	47.88	.....
2370		2 39.00	Coal	.....	.....	Oil	7	.70	7.50	5.00	12.00	.....	1.58	7.64
2371	O. H.	.....	.....	.....	12.00	.....	.....	3.12	31.00	20.00	18.00	.....	5.03	.....
2372		.....	Coal	.....	1.75	.....	.....	3.45	31.80	20.00	15.00	6.00	5.11	.....
2373	O. H.	.....	.....	.....	7.50	.....	.....	4.80	35.00	19.00	11.80	40.50	9.50	.....
2374		4 60.00	.....	.....	4.50	.....	.....	4.20	20.00	5.00	49.00	6.00	2.11	.....
2375	O. H.	.....	.....	.....	3.00	.....	.....	2.40	45.50	26.00	111.00	7.90	11.88	.....
2376		4 72.00	.....	.....	.....	.....	.....	4.30	28.00	16.00	4.00	49.40	2.08	.....
2377	O. H.	.....	.....	.....	13.00	.....	.....	5.20	26.00	12.00	8.00	28.60	8.09	.....
2378		.....	.....	.....	.....	.....	.....	7.20	16.00	8.00	20.00	2.75	6.88	.....
2379	O. H.	.....	.....	.....	15.00	.....	.....	8.72	21.00	9.60	80.00	15.75	5.00	.....
2380		.....	.....	.....	5.00	.....	.....	1.68	28.00	10.00	25.00	5.50	5.11	.....



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
			\$2.10			\$0.75		\$6.00	\$5.20	\$7.00	\$12.50	\$123.61	2310
		\$2.40	2.10	\$2.00		3.12			5.76	75.00	10.00	219.86	2311
\$1.17			9.10	6.00		1.50			8.32	10.00	38.00	172.23	2312
		5.20	7.30			4.12	\$12.00	6.00	3.90	6.00	17.50	308.00	2313
			9.30			1.00		24.00	3.90		8.00	174.93	2314
		2.40	2.10	3.00		4.05	2.00		8.52	5.00	28.00	116.88	2315
			14.00	7.20	\$3.20	3.13			5.20	47.95	15.00	405.00	2316
			3.10	1.00		2.60		1.00	3.90		45.00	129.88	2317
			2.10	6.00		7.29		18.25	3.90	25.00	43.08	275.78	2318
			2.10	5.00		9.55		26.00	15.60	16.00	50.80	345.96	2319
			2.10	6.00		6.97			8.32	18.65	33.15	232.02	2320
			2.10	2.00		2.75		4.50	7.50	31.50	179.69	2321	
	\$21.48		23.10	20.00	5.00	5.12	10.00			25.00	19.80	275.95	2322
			2.10	2.50		1.80				27.00	17.58	192.39	2323
			2.10	6.00		2.50	3.50	7.50	4.05	58.00	16.62	216.70	2324
		3.00	6.00	6.00	4.50	11.60	10.00		6.00	5.00	26.00	308.36	2325
				6.00	10.00	6.80	5.00			10.00	24.00	280.00	2326
		3.00		3.00	4.00	10.00			3.00	10.00	14.00	210.60	2327
			12.20	6.00	3.00	14.95	1.35	3.35		14.00	48.80	297.76	2328
		3.00	7.70	2.00	4.95	1.50	8.00	.50	5.20		14.00	380.43	2329
			11.20	5.00	17.00	27.80	20.00		36.50	12.00	53.60	564.35	2330
		4.00	15.00	6.00		6.50	20.00		10.00	8.00	28.90	389.78	2331
		3.00			10.00	5.20	2.00	5.00	2.00	25.00	43.00	279.20	2332
		3.00			2.00				10.20	7.00	19.00	180.50	2333
		3.00	6.00	9.00	4.50	16.00	5.00	10.00	9.60	12.00	76.40	429.80	2334
		13.00		5.00	4.60	6.00	15.00	12.00	15.60	10.00	11.00	318.28	2335
		3.00	6.00	2.50	.50	2.50	5.00	2.00	5.76		5.00	152.28	2336
				5.20	3.00	2.50	5.00		13.00		82.25	236.83	2337
		3.00			2.50	2.50			13.00	20.00	22.00	205.61	2338
2.46				1.60	4.00	2.50				5.00	18.00	323.67	2339
		3.00	12.00	2.00	6.00	5.20			12.00	12.00	12.80	266.92	2340
		3.00			5.00	1.50	5.00	24.00		70.00	45.25	369.15	2341
			12.00		3.25	3.65		5.00	3.84	10.00	35.00	274.23	2342
						7.35	15.00		9.00	43.00	43.90	352.32	2343
		3.00			4.50				6.00	15.00	14.00	226.70	2344
			13.00			2.60		36.00	4.80	34.00	12.00	227.88	2345
		3.00	12.00	5.00	4.00				6.00	9.00	14.60	208.75	2346
		3.00	8.00	5.00		1.00			4.80	8.00	20.40	103.06	2347
		3.00	6.00	6.00		12.20			9.60	6.00	19.00	161.73	2348
					5.00	18.70		52.00	9.84	25.00	27.10	588.14	2349
				2.80		9.50	11.20	9.50	5.20	10.80	11.50	260.75	2350
		8.50		1.50	6.00	2.60		15.00	5.20	42.80	30.75	226.54	2351
		3.00	6.00	5.00	7.00	15.00	10.00	20.00	4.80	85.00	34.00	516.18	2352
2.02			3.00	5.80		7.20	11.00			14.00	22.00	560.17	2353
				5.00		5.20	15.00	20.00	8.00	12.00	36.00	255.51	2354
						4.10			9.60	26.80	18.75	181.19	2355
4.12				10.00	5.00	5.00	8.00		4.00	6.00	28.00	343.97	2356
		3.00		3.00		4.50		15.00	4.80		24.00	192.11	2357
		3.00						4.00		20.00	9.80	112.61	2358
3.25				1.00	3.50	1.80			3.90	20.00	59.58	284.12	2359
			35.20	2.00	6.00	3.00	10.00	18.25	3.64	10.00	16.56	286.33	2360
						6.00		4.00	3.00	12.00	23.00	174.17	2361
		3.00		4.50	3.80	5.20		30.00	12.00	16.00	34.00	446.56	2362
		3.00				1.80			5.20	12.00	17.60	94.71	2363
.32		3.00		.25	.75	2.80				12.00	9.00	82.70	2364
				13.25	5.40	3.75	15.60		6.24	10.00	18.65	292.23	2365
				3.00	1.75	4.22	5.90	3.25	2.60	.25	24.28	166.40	2366
					4.50				8.34	13.00	12.00	189.59	2367
					1.75			13.00	5.30	3.50	21.40	127.19	2368
					2.50	.40			3.84		54.00	253.32	2369
			2.10	3.50				2.00	4.16	3.00	11.00	99.18	2370
									4.80	10.00	13.30	117.25	2371
2.13						3.25		14.00	10.00	7.50	7.80	127.80	2372
10.00		6.50		3.00	5.00	3.50	3.00	2.00	6.00	18.00	29.00	214.10	2373
			6.00	.75		6.20		30.00	8.40	54.00	19.00	275.16	2374
1.85			5.20		6.00	4.60			9.00	9.00	32.00	275.91	2375
						5.20		15.00	7.20	12.00	12.00	227.18	2376
						4.00		40.00	7.50		23.00	180.39	2377
1.17		3.00			2.00	4.60		4.00	9.00	39.00	44.50	168.10	2378
3.11						5.20	6.00	50.00	10.40	12.00	63.80	305.58	2379
								48.00	7.20	12.00	21.00	168.49	2380

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.	Pit ex- pen- ses.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.				Child- ren.
2381	2	\$48.00	Coal	.....	\$10.50	Oil	24	\$2.40	\$24.25	\$10.00	\$6.00	\$25.30	\$1.88	\$5.95
2382	3	60.00	Coal	.....	10.50	Oil	26	2.60	26.60	17.50	.....	.....	1.88	5.60
2383	4	84.00	Coal	.....	.....	Oil	28	2.80	46.00	25.00	15.00	50.00	.....	58.89
2384	4	84.00	Coal	.....	.....	Oil	25	2.50	35.50	12.00	40.00	8.00	1.75	52.28
2385	4	84.00	Coal	.....	.....	Oil	30	3.00	17.50	8.00	24.00	31.50	.....	72.21
2386	4	84.00	Coal	.....	.....	Oil	26	2.60	21.30	17.25	5.00	30.25	.....	54.72
2387	4	84.00	Coal	.....	.....	Oil	33	3.30	20.70	7.50	40.00	3.50	.....	69.44
2388	4	84.00	Coal	.....	.....	Oil	35	3.50	21.00	9.96	35.00	.....	.....	58.14
2389	O. H.	.....	.....	.....	4.00	.....	36	3.60	45.00	15.00	105.00	18.50	8.72	.....
2390	5	60.00	.....	.....	21.00	.....	.....	7.20	27.00	13.00	74.00	45.00	4.08	.....
2391	O. H.	.....	.....	.....	10.00	.....	.....	7.02	43.00	21.00	8.00	32.00	12.00	.....
2392	4	60.00	Coal	.....	8.00	.....	.....	4.80	30.00	12.00	30.00	5.00	.....	.....
2393	O. H.	.....	.....	.....	12.00	.....	15	3.00	38.00	12.00	65.00	15.00	9.75	.....
2394	4	48.00	.....	.....	17.50	.....	30	6.00	40.00	20.00	30.00	70.00	1.40	.....
2395	O. H.	.....	.....	.....	.....	.....	.....	3.20	15.00	10.00	25.00	8.00	3.81	.....
2396	6	60.00	.....	.....	6.00	.....	36	7.20	20.00	10.00	18.00	52.00	3.15	.....
2397	4	60.00	.....	.....	8.00	.....	.....	7.00	31.00	18.00	10.00	38.00	3.41	.....
2398	4	48.00	.....	.....	16.00	.....	.....	5.20	20.00	13.60	7.80	14.00	3.41	.....
2399	5	84.00	.....	.....	21.00	.....	.....	4.20	26.00	13.00	25.00	.....	3.52	.....
2400	5	60.00	.....	.....	.....	.....	36	7.20	33.00	16.20	35.00	22.00	3.11	.....
2401	.....	54.50	.....	.....	12.00	.....	.....	2.40	15.00	8.00	5.00	3.80	2.17	.....
2402	.....	78.00	.....	.....	9.00	.....	.....	10.40	40.00	10.00	45.00	45.80	2.48	.....
2403	6	96.00	.....	.....	9.00	.....	.....	8.40	55.00	20.00	40.00	28.00	3.12	.....
2404	5	78.00	.....	.....	7.50	.....	.....	6.80	55.00	10.00	106.00	10.00	3.75	.....
2405	5	78.00	.....	.....	9.00	.....	52	10.40	70.00	6.00	178.00	10.00	3.50	.....
2406	5	78.00	.....	.....	7.50	.....	.....	6.00	25.00	14.00	30.00	14.00	2.12	.....
2407	5	78.00	.....	.....	8.00	.....	.....	6.00	38.00	15.00	45.00	109.00	1.09	.....
2408	O. H.	.....	.....	.....	21.00	.....	.....	1.80	35.00	20.00	40.00	.....	5.68	.....
2409	O. H.	.....	.....	.....	24.00	.....	.....	12.00	42.00	25.00	170.00	150.00	10.81	.....
2410	2	46.00	.....	.....	18.00	.....	.....	2.40	28.80	12.00	21.30	7.00	.....	.....
2411	5	78.00	.....	.....	7.50	.....	48	9.60	48.00	10.00	10.00	5.00	3.05	.....
2412	5	78.00	.....	.....	6.00	.....	.....	4.90	37.80	9.20	12.00	8.00	3.03	.....
2413	5	78.00	.....	.....	6.00	.....	42	8.20	27.65	24.30	221.90	31.60	3.12	.....
2414	O. H.	.....	.....	.....	21.00	.....	.....	1.80	22.00	35.00	40.00	3.45	6.37	.....
2415	5	78.00	.....	.....	7.00	.....	.....	6.20	16.00	30.00	15.00	6.00	2.35	.....
2416	5	78.00	.....	.....	6.00	.....	.....	3.80	60.00	35.00	20.00	11.00	2.40	.....
2417	.....	78.00	.....	.....	8.00	.....	.....	7.20	40.00	13.00	125.00	21.00	3.40	.....
2418	6	96.00	.....	.....	7.50	.....	.....	5.20	23.30	19.00	10.00	15.00	2.70	.....
2419	.....	78.00	.....	.....	8.00	.....	.....	4.80	20.00	9.00	.....	118.00	2.05	.....
2420	6	96.00	.....	.....	8.00	.....	.....	12.00	39.00	18.00	125.00	40.00	12.42	.....
2421	5	78.00	.....	.....	7.50	.....	41	8.20	84.50	61.00	100.00	60.00	14.80	.....
2422	5	78.00	.....	.....	6.00	.....	.....	4.80	35.00	9.00	20.00	3.00	2.12	.....
2423	2	45.50	Coal	.....	14.25	Oil	12	1.20	20.00	5.00	5.00	.....	.....	11.61
2424	2	39.00	Coal	.....	20.95	Oil	8	.80	5.00	4.50	13.75	.....	1.58	12.04
2425	3	52.00	Coal	.....	19.95	Oil	17	1.70	10.25	22.00	.....	5.40	1.58	10.30
2426	3	52.00	Coal	.....	20.25	Oil	26	2.34	10.75	25.00	25.00	10.00	1.58	9.01
2427	3	52.00	Coal	.....	20.25	Oil	11	1.10	13.75	5.00	10.00	12.50	1.58	14.32
2428	3	52.00	Coal	.....	15.75	Oil	7	.70	1.50	.....	.....	18.00	1.58	13.96
2429	O. H.	.....	.....	.....	25.00	Oil	.....	3.20	25.00	20.00	175.00	37.00	15.00	.....
2430	O. H.	.....	.....	.....	17.50	Oil	24	2.40	40.00	20.00	45.00	25.00	9.50	.....
2431	3	48.00	.....	.....	9.00	.....	.....	3.80	38.00	24.00	.....	28.90	2.11	.....
2432	O. H.	.....	.....	.....	9.00	.....	.....	3.60	20.00	8.00	50.00	2.00	1.50	.....
2433	O. H.	.....	.....	.....	9.00	.....	.....	4.80	22.00	12.00	29.00	6.00	3.11	.....
2434	O. H.	.....	Coal	.....	4.00	Oil	35	3.50	45.00	15.00	100.00	5.00	6.00	.....
2435	3	52.00	Coal	.....	2.25	Oil	9	.90	15.00	5.00	5.00	.50	1.58	11.65
2436	2	39.00	Coal	.....	14.25	Oil	9	.90	10.50	7.00	75.00	.....	1.58	11.71
2437	2	39.00	Coal	.....	5.70	Oil	6	.60	20.75	5.75	10.00	5.00	1.58	10.15
2438	5	78.00	.....	.....	6.00	.....	.....	3.00	25.00	15.00	5.00	14.25	2.60	.....
2439	O. H.	.....	.....	.....	21.00	.....	.....	4.60	40.00	32.00	25.00	18.90	7.80	.....
2440	4	60.00	.....	.....	8.50	.....	.....	4.50	30.00	12.00	120.00	16.80	14.20	.....
2441	O. H.	.....	.....	.....	.....	Oil	15	1.50	30.00	20.00	.....	45.00	18.90	23.52
2442	2	48.00	Coal	.....	.....	Oil	15	1.50	11.50	4.30	35.00	3.00	.....	30.33
2443	O. H.	.....	Coal	.....	10.00	Oil	5	.50	19.20	13.75	15.50	10.25	7.05	27.60
2444	5	84.00	Coal	.....	12.00	Oil	25	2.50	33.00	15.00	20.00	5.00	2.83	.....
2445	3	60.00	Coal	.....	.....	Oil	16	1.60	8.00	5.00	6.50	.....	.....	26.95
2446	4	60.00	Coal	.....	8.00	Oil	19	1.90	11.50	6.00	9.50	.....	2.70	24.87
2447	.....	Free	Coal	.....	.....	.....	.....	7.20	55.00	26.00	40.00	27.80	3.41	.....
2448	O. H.	.....	.....	.....	20.00	.....	.....	4.80	26.00	2.50	.....	23.00	11.50	.....
2449	O. H.	.....	.....	.....	.....	Oil	18	1.80	17.30	8.50	25.00	10.00	5.75	48.31
2450	O. H.	.....	Coal	.....	10.50	Oil	19	1.90	23.00	11.00	75.00	.....	6.00	78.38
2451	2	48.00	Coal	.....	.....	Oil	14	1.40	15.00	5.40	21.50	22.87	2.27	.....



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	Labor.	Other.										
			\$6.00		\$2.25			\$22.00	\$5.76	\$15.50	\$35.30	\$231.09	2381
					1.00	\$3.00		2.00	2.60	5.00	18.56	156.84	2382
				\$3.50	3.50	1.50		13.00	4.16		43.12	350.47	2383
				2.00	1.75	.65		12.00		6.00	29.30	287.73	2384
					2.25			52.00	3.60	11.50	39.25	348.81	2385
		\$1.50			1.25			5.40	7.02	10.00	34.20	274.49	2386
		1.50		.75	1.25	.65		52.00	5.10	9.50	27.35	326.54	2387
					1.50			25.00	7.80	4.50	42.00	292.40	2388
		9.00		19.75	5.00	15.35	\$5.00		32.00	13.00	83.00	381.92	2389
		3.00	24.20	6.00	1.00	8.45	17.50	2.30	6.00	40.00	21.50	381.23	2390
			6.00	10.00	4.00	13.00	5.00	5.00		15.00	16.00	207.02	2391
		3.00				1.50		10.00		50.00	14.00	228.30	2392
		6.00	14.00	5.00	3.00	4.75	5.00			9.50	8.00	210.00	2393
		6.00			4.00	7.85		2.40	10.40	30.50	40.00	334.05	2394
			13.00	15.00		3.60		10.00		8.00	17.00	131.61	2395
		3.00	5.20	12.00		6.10			4.65	52.60	14.40	274.30	2396
		3.00						5.00	6.00	20.00	7.50	216.91	2397
			8.70							10.00	109.00	247.01	2398
		6.00	7.20	2.00		10.50		52.00	5.20	50.00	14.00	317.12	2399
		3.00	6.00	3.00	4.00	4.64	2.25	20.00	9.60	3.85	11.00	247.05	2400
		6.00		10.00	8.00	5.20	10.00	5.00	5.20		31.00	169.07	2401
		6.00	5.20	8.00	16.00	8.50		85.00	6.00	12.00	48.50	431.38	2402
		3.00		25.00	12.00	5.60			11.20	27.00	18.00	364.42	2403
	\$8.00	9.00	8.70	20.00	16.00	17.60	22.00		2.40	22.00	14.00	369.05	2404
		4.50		9.00	4.00	1.00			6.00	15.00	16.00	530.20	2405
		4.50		1.00	4.00	2.60		6.00	6.00	30.00	11.00	365.19	2407
		4.00	5.50	3.00	3.00	3.00	2.00	3.00	6.00	15.00	17.20	185.18	2408
\$6.47		15.00	6.20	10.00	7.30	14.00	15.75			12.00	171.00	691.53	2409
				1.50	3.00	3.25		20.00	5.20	2.00	12.75	183.20	2410
			6.00		3.00				10.00	20.00	23.25	233.40	2411
		4.50		6.00	4.80	2.60			13.50	18.00	24.50	232.83	2412
		9.10	6.00	18.00	10.00	12.00	8.85	10.90	2.23	22.40	32.55	532.80	2413
		15.00	5.20	3.00	4.35	4.50				15.00	28.00	204.67	2414
		6.00		5.00	8.00			20.00	6.00	7.00	138.00	350.55	2415
			6.00			4.00			4.80	10.00	20.00	261.00	2416
		6.00	5.20	6.00	10.00	6.00	15.00	30.00	12.00	12.00	43.00	440.80	2417
		3.00	12.00	5.00	5.00	3.50	10.00	25.00		25.00	35.25	302.35	2418
		3.00	6.00	5.00	4.00	3.00		56.00	12.00	12.00	11.75	352.60	2419
3.33		9.00	5.20	10.00	20.00	23.60	10.00	30.00	18.25	110.00	71.00	660.80	2420
12.00			12.80	32.00	16.00	42.00	10.00			5.00	47.02	590.82	2421
		3.00		6.00	4.50					25.00	8.50	204.92	2422
			2.10			7.75		4.00		7.50	17.00	140.91	2423
			2.10			3.12		3.50		15.00	18.27	139.61	2424
			2.10			7.54		4.50	3.90	6.00	14.50	161.72	2425
			3.30	17.50		4.12	20.00			3.50	22.00	235.35	2426
			2.10			3.62			3.52	35.00	51.50	226.24	2427
			2.10	5.00		6.12	3.72		7.80	14.40	43.25	185.88	2428
4.75			6.00	1.50	3.00	4.16	2.00	6.00	8.64		7.00	343.25	2429
2.20	18.00		6.20	12.00	4.30	6.45			9.00	52.60	17.75	287.90	2430
		3.00	6.00	2.50	4.00			36.00	8.00	12.00	24.00	249.31	2431
		3.00				7.80		5.00	4.16	10.00	19.00	142.06	2432
		3.00				.60		5.00	4.80	12.00	16.00	127.31	2433
1.00			6.00		3.00	3.00	10.00	18.25		12.00	12.55	244.30	2434
			2.10			6.70		3.00	4.16		28.35	138.10	2435
			2.10	2.50		1.75			4.16	17.00	27.50	214.95	2436
		3.00						25.00	8.32	5.00	10.80	152.75	2437
		3.00			3.00	2.60			5.20	15.00	39.00	216.65	2438
2.33		9.00		8.00	4.50	2.50		6.00	8.20	48.00	80.80	318.63	2439
3.18		9.00		5.00	4.00	2.60	10.00	75.00	9.60	180.00	17.00	581.38	2440
3.50			3.00		4.50	6.10		36.50	1.00	10.00	27.62	231.14	2441
					3.50			4.00	8.32	14.00	11.00	174.45	2442
1.83					1.25	8.55		8.40	4.16	6.25	20.15	154.44	2443
		3.00			6.00	6.50		18.25			79.40	287.48	2444
			4.50	8.00	2.50	1.50		18.25	6.90		27.90	177.60	2445
				2.50	3.00	1.50		18.25	3.40	5.00	21.73	179.85	2446
				3.80		5.20		5.00	3.00	16.00	44.00	236.41	2447
2.83		6.00		6.00	2.80	7.00		10.00	4.80	90.00	64.00	281.23	2448
1.83				6.00	1.25	1.50		26.00	4.16	3.75	34.46	195.61	2449
2.00			6.24	1.00	4.50	5.60		15.00		5.00	63.00	313.12	2450
					2.50			12.00	3.60	9.00	32.00	175.54	2451



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing-			Furni- ture and utens- ils.	Tax- es.	Pit ex- pen- ses.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.			
2452	-----	Free	-----	-----	\$6.00	-----	-----	\$3.00	\$35.00	\$12.00	\$45.00	\$12.50	\$3.15	-----
2453	4	\$18.00	-----	-----	7.50	-----	-----	3.12	28.00	14.00	-----	7.80	-----	-----
2454	5	78.00	Coal	-----	20.25	Oil	-----	3.25	23.25	5.00	90.00	-----	1.84	\$14.40
2455	3	52.00	Coal	-----	22.50	Oil	22	2.20	10.00	5.00	4.75	-----	1.58	3.78
2456	3	60.00	Coal	-----	-----	Oil	20	2.00	35.00	5.00	4.50	-----	1.50	9.66
2457	3	110.00	Coal	-----	-----	Oil	14	1.40	7.75	5.50	55.00	2.00	3.35	19.68
2458	4	48.00	-----	-----	-----	-----	30	3.00	45.00	30.00	15.00	-----	2.10	-----
2459	2	60.00	-----	-----	-----	-----	40	4.00	12.00	10.00	75.00	10.00	2.35	-----
2460	O. H.	-----	-----	-----	20.00	Oil	14	1.40	12.00	5.00	7.50	15.00	3.75	-----
2461	O. H.	-----	Coal	-----	-----	Oil	8	.80	7.00	5.00	-----	.25	6.75	-----
2462	O. H.	-----	Coal	-----	18.75	Oil	10	1.00	35.00	5.00	45.00	-----	5.30	-----
2463	O. H.	-----	Coal	-----	17.50	Oil	8	.80	45.00	25.00	125.00	15.75	5.25	-----
2464	2	60.00	-----	-----	-----	-----	30	3.00	46.75	25.00	7.00	-----	3.35	-----
2465	O. H.	-----	Coal	-----	17.50	Oil	8	.80	25.00	55.00	-----	20.00	3.60	-----
2466	O. H.	-----	Coal	-----	25.50	Oil	26	2.60	95.00	35.00	175.00	-----	6.04	-----
2467	4	72.00	Coal	-----	21.00	-----	-----	9.80	15.00	15.00	50.00	20.50	3.00	-----
2468	4	84.00	Coal	-----	13.00	-----	-----	5.40	16.75	5.00	6.50	5.00	2.25	-----
2469	4	72.00	Coal	-----	14.00	-----	-----	8.50	25.00	20.00	-----	25.00	2.50	-----
2470	O. H.	-----	Gas	-----	20.00	Oil	17	1.70	35.00	25.00	175.00	105.00	29.95	-----
2471	3	60.00	Coal	-----	21.25	-----	25	2.50	34.90	10.00	-----	58.00	-----	-----
2472	O. H.	-----	Coal	-----	28.00	Oil	-----	12.96	14.00	6.00	35.00	7.00	6.05	-----
2473	3	72.00	Coal	-----	21.00	Oil	-----	1.50	50.00	25.00	10.00	-----	2.50	6.80
2474	O. H.	-----	Gas	-----	20.00	-----	36	3.60	35.00	50.00	150.00	50.00	40.00	-----
2475	O. H.	-----	Coal	-----	12.50	Oil	26	2.60	15.00	7.50	50.00	3.00	4.75	27.05
2476	4	60.00	Coal	-----	20.00	Oil	23	2.30	15.25	8.00	40.00	-----	2.55	20.75
2477	4	60.00	Coal	-----	20.00	Oil	25	2.50	16.50	7.00	3.00	4.50	1.70	25.92
2478	O. H.	-----	Coal	-----	12.00	Oil	20	2.60	34.90	15.00	185.00	5.00	5.65	65.45
2479	O. H.	-----	Coal	-----	20.00	Oil	20	2.00	35.60	10.00	108.00	14.00	6.37	35.67
2480	O. H.	-----	Coal	-----	-----	Oil	26	2.60	10.00	5.00	5.00	-----	5.03	23.57
2481	O. H.	-----	Coal	-----	17.60	Oil	35	3.50	24.75	20.00	-----	-----	4.48	35.05
2482	4	72.00	Coal	-----	6.00	Oil	30	3.00	18.00	5.00	20.00	23.00	1.38	28.60
2483	4	72.00	Coal	-----	6.00	Oil	30	3.00	59.60	10.00	-----	50.00	1.63	20.12
2484	O. H.	-----	Coal	-----	17.50	Oil	25	2.50	17.00	12.00	85.00	2.50	13.00	57.22
2485	O. H.	-----	Coal	-----	10.40	Oil	20	2.00	15.00	10.00	20.00	2.00	5.50	29.05
2486	4	60.00	Coal	-----	20.00	Oil	23	2.30	77.00	12.00	-----	150.00	-----	30.42
2487	O. H.	-----	Coal	-----	12.00	Oil	19	1.90	27.50	15.00	-----	-----	5.60	22.20
2488	O. H.	-----	Coal	-----	7.00	Oil	20	2.00	14.60	11.00	75.00	5.00	6.47	54.00
2489	O. H.	-----	Coal	-----	7.28	Oil	18	1.80	22.85	12.00	13.00	-----	2.70	21.20
2490	O. H.	-----	Coal	-----	15.00	Oil	27	2.78	34.00	10.00	55.00	12.32	8.15	31.04
2491	O. H.	-----	Coal	-----	20.00	Oil	33	3.35	26.90	11.00	8.00	12.00	2.89	36.56
2492	O. H.	-----	Coal	-----	16.80	Oil	43	4.38	29.60	5.00	36.85	63.00	5.45	42.04
2493	O. H.	-----	Coal	-----	7.00	Oil	25	2.50	13.60	7.50	210.00	7.00	3.55	66.80
2494	O. H.	-----	Coal	-----	8.00	Oil	20	2.00	24.00	5.00	135.00	14.00	9.93	60.47
2495	O. H.	-----	Coal	-----	4.00	Oil	26	2.60	22.00	8.00	20.00	-----	8.60	21.25
2496	4	84.00	Coal	-----	-----	Oil	24	2.40	17.00	10.00	14.00	6.00	-----	67.57
2497	O. H.	-----	Coal	-----	12.00	Oil	30	3.00	33.50	11.00	26.00	5.30	5.60	30.70
2498	O. H.	-----	-----	-----	9.00	-----	24	2.88	20.00	7.85	75.00	4.60	3.39	-----
2499	-----	99.00	Coal	-----	22.50	Oil	16	1.60	29.30	17.42	375.00	-----	2.45	111.82
2500	3	60.00	Coal	-----	12.00	Oil	16	1.60	12.25	13.00	35.00	-----	1.83	25.49
2501	6	60.00	-----	-----	12.00	-----	-----	4.00	50.00	26.00	5.00	15.00	7.11	-----
2502	O. H.	-----	-----	-----	12.00	-----	-----	5.20	20.00	18.00	25.00	6.00	5.00	-----
2503	4	60.00	-----	-----	37.50	-----	18	3.60	25.00	20.00	30.00	-----	6.00	-----
2504	O. H.	-----	-----	-----	10.00	-----	-----	2.40	15.00	6.00	-----	-----	5.48	-----
2505	6	60.00	-----	-----	-----	-----	-----	8.00	28.60	13.00	115.00	11.00	3.34	-----
2506	O. H.	-----	-----	-----	9.00	-----	-----	4.80	20.00	10.00	60.00	8.00	11.96	-----
2507	6	96.00	Coal	-----	12.00	-----	-----	10.40	56.00	16.00	75.00	13.00	4.37	-----
2508	5	78.00	-----	-----	9.00	-----	-----	4.80	39.00	26.00	-----	46.00	3.72	-----
2509	-----	66.00	-----	-----	21.00	-----	-----	4.80	32.00	20.00	100.00	4.00	2.30	-----
2510	5	78.00	-----	-----	9.00	-----	48	9.60	65.00	30.00	140.00	38.00	2.30	-----
2511	6	96.00	-----	-----	0.00	-----	36	7.20	38.00	12.00	90.00	20.00	3.78	-----
2512	O. H.	-----	Coal	-----	15.75	Oil	20	2.00	15.00	15.00	75.00	-----	8.39	-----
2513	O. H.	-----	Coal	-----	14.00	-----	-----	1.50	25.00	15.00	-----	2.00	6.35	-----
2514	O. H.	-----	Coal	-----	19.25	Oil	-----	2.50	25.00	15.00	45.00	3.00	11.50	-----
2515	4	84.00	Coal	-----	18.34	Oil	-----	6.36	20.00	20.00	45.00	20.00	1.90	-----
2516	2	42.00	Coal	-----	12.00	Oil	20	2.00	22.00	15.00	-----	-----	1.50	31.67
2517	O. H.	-----	-----	-----	20.00	-----	-----	4.89	55.00	60.00	15.00	13.00	.52	-----
2518	6	78.00	Coal	-----	0.00	-----	-----	3.80	40.00	18.00	82.00	43.50	2.11	-----
2519	2	36.00	-----	-----	-----	-----	-----	4.92	38.00	14.85	12.60	14.00	1.78	-----
2520	4	75.00	-----	-----	12.25	-----	-----	5.20	25.00	20.00	65.00	8.10	4.41	-----
2521	3	48.00	-----	-----	12.00	-----	-----	4.80	32.00	25.00	-----	16.00	2.11	-----
2522	4	84.00	-----	-----	10.00	-----	-----	4.40	34.00	22.00	135.00	24.00	2.11	-----

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organizations.		Religion.	Charity.	Books and newspapers.	Amusements and vacation.	Intoxicating liquors.	Tobacco.	Sickness and death.	Other.	Total for year.	Budget number.
Property.	Life.	Labor.	Other.										
.....	.....	\$6.00	.....	.....	\$2.00	\$4.00	.....	\$18.00	.....	\$26.00	\$27.00	\$199.65	2452
.....	.....	3.00	.....	\$5.00	3.00	4.00	.....	18.25	\$7.28	100.70	10.00	258.95	2453
.....	.....	.....	\$2.10	2.00	.....	3.35	.....	1.50	7.80	.....	39.96	292.70	2454
.....	.....	.....	2.10	.....	.....	.....	.....	12.00	4.16	3.00	20.90	145.97	2455
.....	.....	3.50	2.10	.....	.....	.....	.....	7.00	3.90	5.00	15.50	154.66	2456
\$1.00	.....	.....	5.35	1.50	.....	3.50	.....	12.00	.....	5.00	35.50	270.53	2457
.....	.....	.....	6.00	7.00	3.50	.....	.....	52.00	4.16	10.00	25.00	250.76	2458
.....	.....	5.50	.....	.....	1.50	12.48	.....	54.75	3.60	.....	34.00	285.18	2459
2.50	.....	.....	6.00	12.00	1.75	.....	.....	39.00	4.80	20.00	25.00	175.70	2460
1.15	.....	.....	7.50	5.38	.50	.....	.....	18.25	2.40	.....	19.44	74.42	2461
3.17	.....	9.00	.....	5.50	1.50	.....	.....	12.00	8.32	.....	31.25	180.79	2462
1.50	.....	.....	.....	11.50	1.50	5.00	\$3.50	4.00	7.68	2.50	52.87	324.35	2463
.....	\$2.03	.....	.....	5.00	3.00	7.80	.....	73.00	16.64	1.50	35.00	289.07	2464
2.50	.....	3.00	3.00	15.00	1.75	1.50	.....	36.50	3.60	20.00	15.00	223.79	2465
2.50	.....	.....	.....	25.00	.....	2.00	5.00	52.00	16.64	.....	25.00	467.24	2466
.....	.....	.....	.....	6.00	1.50	1.85	.....	13.00	3.56	12.00	5.00	249.21	2567
.....	.....	3.00	.....	.40	3.00	.15	.....	.....	3.84	12.00	7.20	167.49	2468
.....	.....	.....	.....	.....	2.50	.50	.....	.....	3.84	12.00	10.00	195.84	2469
2.25	33.80	.....	6.00	15.00	6.00	19.00	.....	24.00	11.52	12.00	20.00	541.22	2470
1.25	.....	.....	.....	3.00	3.00	3.50	.....	5.00	3.84	12.00	7.00	225.24	2471
1.00	.....	.....	.....	4.00	4.50	1.50	.....	2.00	6.00	12.00	55.00	195.02	2472
.....	.....	.....	6.00	.....	3.00	1.50	.....	.....	.....	10.00	10.00	219.30	2473
6.00	46.80	.....	9.60	32.00	5.00	11.50	7.00	12.00	6.00	6.50	25.00	516.00	2474
.....	.....	.....	.....	.....	3.00	2.00	.....	14.30	3.60	8.50	23.00	176.80	2475
.....	.....	.....	.....	.....	2.00	.....	.....	13.00	3.60	7.00	37.30	231.75	2476
.....	.....	.....	.....	.....	3.00	1.50	.....	13.20	3.60	.....	15.78	178.20	2477
.....	.....	3.00	.....	2.00	3.00	5.15	15.00	29.90	10.40	17.00	25.65	426.10	2478
.....	.....	.....	.....	11.00	6.00	1.90	.....	18.65	10.40	21.00	33.00	333.59	2479
.....	.....	3.00	.....	.....	3.25	.....	.....	.....	.....	5.00	48.02	110.47	2480
.....	17.00	.....	.....	7.00	3.25	1.50	.....	28.60	3.90	16.50	75.00	258.13	2481
.....	.....	3.00	.....	1.00	3.50	2.60	.....	13.00	1.20	3.00	43.22	247.50	2482
.....	.....	.....	.....	3.00	3.50	.....	.....	26.00	2.36	.....	9.00	266.21	2483
3.50	.....	3.00	.....	6.00	3.25	3.00	2.50	31.20	3.64	1.50	15.65	279.96	2484
.....	.....	6.00	.....	3.50	3.00	1.50	2.00	29.90	6.50	.....	21.00	167.35	2485
.....	.....	5.00	.....	.....	3.00	12.00	25.00	57.20	7.80	.....	17.00	478.72	2486
2.00	.....	3.00	.....	1.75	2.75	3.70	.....	18.40	10.40	12.00	54.05	192.25	2487
2.30	.....	3.00	3.00	6.00	3.00	2.00	2.50	22.00	4.16	53.00	26.60	302.63	2488
.....	.....	.....	.....	.....	3.25	3.50	.....	6.00	1.92	2.10	55.97	153.57	2489
13.50	.....	.....	11.50	2.00	3.00	6.00	.....	36.50	14.56	4.00	92.14	351.49	2490
.....	.....	3.00	.....	1.50	3.25	2.10	.....	14.95	5.50	18.00	67.55	234.55	2491
3.00	.....	3.00	.....	5.00	3.25	1.90	5.50	43.70	17.80	24.00	67.02	377.27	2492
2.60	.....	.....	12.50	2.00	3.00	2.50	5.00	6.00	4.16	5.00	39.50	400.21	2493
3.33	.....	.....	.....	3.00	3.75	4.70	4.00	13.00	4.16	21.00	62.88	378.22	2494
1.40	.....	.....	.....	9.00	2.00	2.00	.....	13.00	3.90	10.00	18.40	146.15	2495
.....	.....	.....	.....	2.00	.50	1.25	.....	72.00	10.40	1.50	22.82	311.44	2496
1.20	.....	3.50	.....	2.00	3.00	2.75	.....	18.25	4.20	.....	34.60	196.00	2497
.....	.....	6.00	.....	1.00	2.50	2.00	.....	20.00	4.80	42.00	57.60	259.62	2498
.....	.....	.....	6.00	1.50	2.50	6.45	.....	.....	11.56	15.00	150.00	852.10	2499
.....	.....	.....	.....	5.00	3.00	1.75	.....	13.00	8.32	.....	21.70	213.94	2500
.....	.....	.....	.....	9.00	5.00	7.60	20.00	.....	5.20	10.00	18.75	271.46	2501
3.13	.....	3.00	13.80	4.00	.....	4.50	.....	15.00	7.80	25.00	12.30	169.93	2502
.....	.....	3.00	.....	5.00	4.00	12.60	3.00	12.00	12.00	20.00	8.00	261.70	2503
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	12.00	8.25	57.13	2504
.....	.....	3.00	.....	12.00	4.80	17.50	6.00	22.00	8.00	35.00	24.50	371.14	2505
2.66	.....	2.00	3.00	12.00	2.00	3.00	5.00	28.00	4.80	12.80	11.00	211.02	2506
.....	.....	4.50	.....	10.00	8.00	15.00	.....	.....	6.00	24.00	22.00	377.27	2507
.....	.....	3.00	.....	10.00	4.50	2.60	.....	50.00	8.00	.....	24.50	309.12	2508
.....	.....	2.00	.....	12.00	.....	7.50	.....	65.00	12.00	12.00	14.00	375.60	2509
.....	.....	3.00	.....	17.00	8.00	17.50	6.00	60.00	37.70	165.00	22.00	708.10	2510
.....	.....	6.00	.....	6.00	5.00	2.60	.....	.....	12.00	5.00	41.00	353.58	2511
8.00	.....	.....	.....	2.75	1.50	3.00	15.00	25.00	4.16	5.00	9.50	205.05	2512
2.00	.....	.....	.....	3.00	1.50	2.50	.....	.....	7.50	.....	7.00	87.35	2513
3.00	.....	.....	.....	12.00	3.00	2.50	.....	5.00	12.00	12.00	10.00	189.75	2514
.....	.....	.....	.....	5.00	3.00	2.50	.....	.....	8.32	12.00	5.00	251.42	2515
.....	.....	6.00	.....	12.50	3.50	3.50	.....	36.50	3.64	1.50	53.50	261.81	2516
.....	.....	3.00	.....	12.00	4.50	16.00	12.00	25.00	13.20	15.00	30.00	299.02	2517
.....	.....	.....	.....	.....	2.80	.50	.....	13.00	5.20	18.00	20.80	336.71	2518
.....	6.00	.....	.....	6.00	.....	12.50	.....	34.00	9.60	12.00	14.00	216.25	2519
.....	.....	6.00	5.20	.....	3.00	3.00	.....	.....	5.20	14.60	23.00	274.39	2520
.....	.....	3.00	.....	5.20	5.00	18.00	10.00	.....	9.60	25.00	27.50	243.21	2521
.....	.....	6.48	18.00	2.50	3.00	14.60	10.00	125.00	20.80	20.00	19.00	554.89	2522



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.	Pit ex- pen- ses.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			
2523		5 \$84.00	Coal					\$6.40	\$40.00	\$24.00	\$90.00	\$80.00	\$2.11
2524	O. H.		Coal		\$16.00	Oil	60	6.00	33.50	67.00	425.00	85.00	12.51
2525		4 84.00	Coal		17.50	Oil	22	2.20	15.40	9.00	124.00		1.85
2526		4 84.00	Coal			Oil	26	2.60	17.20	8.00	15.00		2.75
2527		4 48.00			5.00			2.16	50.00	52.00		177.00	
2528	O. H.				2.50			2.80	49.00	26.00	60.00	3.50	3.48
2529	O. H.				10.50			12.50	30.00	40.00	140.00	6.60	6.35
2530	O. H.				17.00			7.80	35.00	10.00	20.00	3.00	5.90
2531		4 60.00			17.00			7.80	35.00	28.00	6.00	8.00	4.81
2532	O. H.				18.00			4.80	28.00	20.00		10.00	9.61
2533		6 96.00	Coal		8.00		36	7.20	25.00	15.00		3.00	
2534		6 96.00			12.00		48	9.60	16.90	6.40	11.15	51.50	2.35
2535		5 78.00			7.50			5.00	37.00	15.00	8.00	16.00	3.29
2536		6 96.00			12.00			8.60	32.00	25.00	200.00	16.00	6.00
2537		5 78.00			11.00			15.60	45.00	27.00	220.00	16.00	2.40
2538		5 78.00			6.00		24	4.80	36.00	15.00	10.00	20.00	2.65
2539		6 96.00			8.00			7.00	12.00	8.00	40.00	4.60	1.78
2540		5 78.00			9.00			8.50	46.00	29.00	50.00		3.27
2541		5 78.00			9.00		72	14.20	25.00	15.00	100.00	18.00	13.17
2542		5 78.00			9.00		52	10.40	30.00	9.61	75.00	60.00	2.90
2543		5 78.00			7.50		52	10.40	39.80	11.40	127.00	6.30	2.76
2544	O. H.		Coal		20.30	Oil		3.00	35.00	40.00	50.00		7.00
2545		3 48.00			7.00			3.20	16.00	8.00	18.00	12.40	2.11
2546	O. H.				11.00			4.18	36.00	14.00	30.00	7.00	7.08
2547	O. H.				12.60		26	5.20	30.00	16.00	14.00	3.60	4.11
2548	O. H.				9.00			3.60	25.00	15.00	20.00	6.00	3.11
2549		8 84.00			28.00			6.00	29.30	18.00	119.14	18.00	2.37
2550		4 84.00	Coal			Oil	26	2.60	18.60	6.50	11.20	3.50	39.41
2551		4 84.00	Coal			Oil	22	2.20	12.50	10.00	2.50	16.00	49.46
2552		6 60.00			21.00			4.80	50.00	35.00	28.00	14.80	3.11
2553		6 72.00					41	8.20	38.00	8.00	180.00	6.80	3.15
2554		7 84.00	Coal		27.00	Oil		3.90	25.00	10.00	90.00	14.00	2.23
2555		3 66.00	Coal		25.50	Oil		1.20	30.00	15.00	100.00		1.75
2556		4 78.00	Coal		27.00		18	2.88	15.00	15.00	45.00	11.50	1.61
2557		78.00			4.00			4.80	18.00	8.00		20.50	22.80
2558		5 78.00			9.00			6.00	60.00	40.00	15.00	13.00	14.98
2559		6 96.00			8.00			8.20	58.00	22.25	108.00	10.00	3.98
2560		6 96.00			9.00		52	10.40	60.00	42.00	220.00	10.00	3.78
2561		4 40.00			30.00		20	4.00	20.00	10.00	40.00		.32
2562		6 96.00	Coal		8.00			8.00	42.00	35.00	100.00	20.00	2.90
2563	O. H.				27.00			7.20	53.00	35.00	125.00	43.00	47.80
2564	O. H.				23.00			6.80	55.00	17.50	200.00	7.00	32.60
2565	O. H.				23.50			8.40	45.00	30.00	300.00	60.00	27.39
2566		5 78.00			5.00			6.00	25.00	20.00	60.00	41.00	4.08
2567		2 48.00			12.00			5.20	17.00	30.90	23.00	20.00	.81
2568		5 78.00			6.00			4.80	39.00	10.00	23.60	6.00	3.12
2569		6 96.00	Coal		7.50			3.60	30.00	18.00	72.00	4.35	2.18
2570		6 96.00			9.00			8.00	24.65	15.00	6.00	40.25	3.17
2571		5 78.00			9.00			6.40	18.00	51.00	40.00	3.50	2.76
2572	O. H.				20.00			3.50	10.00	7.00	8.00	7.00	4.00
2573		5 78.00			6.00		16	3.20	30.00	12.00	6.00	14.60	2.40
2574		47.00			19.50			7.80	36.00	13.00	7.00	24.00	
2575		60.00			15.00			2.25	48.00	35.00	32.00	12.00	2.60
2576		5 78.00			9.00			7.20	20.00	6.00	35.00	6.00	20.50
2577		5 78.00			6.00			7.20	21.00	8.00	35.00		1.78
2578		6 96.00			9.00		36	7.20	28.00	18.00	30.00	6.00	4.57
2579		5 84.00			18.00			7.20	24.00	9.00	16.00	3.00	2.50
2580		6 96.00			9.00			6.00	30.00	20.00	120.00	15.00	3.00
2581		6 96.00	Coal		6.00		24	4.80	40.00	15.00	52.00	13.00	2.17
2582		5 78.00	Coal		5.50		12	2.40	43.00	22.00	31.00	25.60	2.38
2583	O. H.				30.00			2.40	30.00	20.00	111.00	36.00	2.85
2584		5 78.00	Coal		6.00			4.80	67.50	31.00	158.00	75.00	2.13
2585		5 78.00	Coal		7.50		18	3.60	37.60	19.00	82.00	5.60	4.40
2586	O. H.				22.50		26	5.20	34.75	30.00	50.00		2.25
2587		5 66.00			27.00			6.80	50.00	30.00	7.80	20.00	2.38
2588	O. H.				16.00			3.84	38.50	16.00	47.00		6.74
2589		6 96.00			7.00			6.80	30.00	15.00	90.00	10.00	3.47
2590		5 78.00			7.50			8.60	12.00	20.00	48.00	23.50	3.25
2591		5 78.00			8.00		36	7.20	29.00	12.00	81.00	78.00	
2592		3 52.00	Coal		22.50	Oil	17	1.70	10.00	7.50	25.00		1.89
2593		3 48.00	Coal		27.00	Oil	15	1.50	15.00	10.00	13.00		1.58



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
\$7.00			\$36.60	\$13.00		\$4.00	\$13.00	\$7.50	\$5.00	\$4.80	\$20.00	\$26.00	2523
						7.00	8.50	25.00		16.64		143.00	1,001.27
						3.00	5.00			4.16	9.00	35.60	2524
		\$3.00				2.50	.50			7.02	18.00	39.40	2525
		3.00				3.00	1.00			4.00		279.58	2526
		3.00				6.00	3.50	3.00		3.60		348.76	2527
		12.00	27.60	9.00		2.75	5.60	10.00		18.00	30.00	27.00	2528
		3.00	12.00	5.00		5.00	4.60	3.00		12.96	15.00	69.15	2529
		3.00	15.00			4.00		3.00		4.80	10.00	28.80	2530
		3.00	5.20	10.00		6.00	5.00			14.40	60.00	9.80	2531
		3.00		6.00		4.00		8.00	24.00	6.00	3.00	14.80	2532
		4.50	4.80	2.30		6.00	9.80	3.00		6.00	12.00	5.00	2533
		3.00		6.00		5.00	5.20			3.20	20.00	16.80	2534
		9.00		12.00		5.00	42.50	20.00		11.60	78.00	76.80	2535
		6.00		6.00		8.00	3.00	15.00		12.00	39.00	32.00	2536
		3.00	6.00	12.00		3.00	2.50			12.00	12.00	43.00	2537
		3.00		8.00		2.00				4.80	12.00	17.00	2538
		3.00		6.00		4.00	5.20			6.00	25.00	24.00	2539
		3.00		3.00		4.50	13.50	13.00			36.00	19.00	2540
		6.00		6.00		3.00	10.90	7.50		12.00	23.50	34.87	2541
		3.00		4.00		2.95	5.20			21.00	17.00	358.31	2542
1.50				10.00		3.00	12.00			6.00	90.00	13.45	2543
		3.00					5.00					15.00	2544
		3.00	5.20	4.00		4.00	4.00			3.00	16.00	16.80	2545
.83			6.00			4.00	12.60				20.00	39.20	2546
1.58		1.80		5.20		3.00	5.20	2.00		2.40	9.50	166.50	2547
							2.60	5.00		12.00	40.00	28.19	2548
						.75				6.00	10.50	22.75	2549
						.50				20.00	3.60	8.00	2550
		3.00		6.00		2.60	2.50			3.00	20.00	14.75	2551
		3.00	12.00			6.00	2.00	1.55		5.20	80.00	28.00	2552
		.75	17.70	15.00		3.00	6.50	30.00		9.00	6.00	45.00	2553
		3.00	15.60	5.50		7.50	5.25	35.00		5.76	12.00	75.00	2554
		3.00	10.00	2.50		1.50	8.50	10.00		5.40	4.25	97.00	2555
5.18			23.40	15.00		3.00	13.25			14.40	60.00	63.00	2556
				5.00		3.00	10.20			12.00	30.00	36.38	2557
		3.00	6.00	12.00		4.50				4.80	8.50	19.00	2558
	\$7.20	9.00	2.60	18.00		12.00	6.00	22.00		54.75	15.00	34.00	2559
		3.00	12.50	12.00		2.50	18.00	5.00		4.80	5.00	21.00	2560
		3.00	2.80	7.50		4.00	9.50	5.00	18.00		12.00	22.00	2561
20.00				7.00		3.00	2.00				12.00	43.00	2562
5.33				15.00		4.50	15.00	35.00	20.00	15.00	12.00	248.00	2563
		3.00	10.00	18.00		3.00	15.00	30.00			40.00	322.00	2564
		9.00	5.20	12.00		4.50	12.10	5.00		5.20	36.50	14.00	2565
		9.00		18.00		4.50	11.50				22.00	16.75	2566
		4.51		12.00		8.00	3.20			22.00	16.75	238.66	2567
		3.00		6.00		4.00	2.50	10.00		4.00	55.00	14.00	2568
		3.00		2.00		3.20	7.70			4.80	17.00	28.23	2569
		6.00		1.00		10.00	26.60	10.00		12.00	25.00	33.90	2570
		4.80		17.00		3.00	2.00			9.00	22.00	14.00	2571
		4.00	6.24	6.00		12.00	2.60	5.00		15.60	2.50	132.50	2572
		3.00					2.60			3.00	7.00	21.00	2573
		3.00					4.50			6.00	9.00	22.25	2574
		3.50	6.00	4.00		1.75	4.50			1.00	60.00	3.00	2575
		3.00		6.00		3.50	.75			12.00	16.00	21.00	2576
		3.00	6.00	3.00						6.00	18.00	9.50	2577
		3.00	7.20	12.00		10.00	10.00	5.00		4.80	20.00	57.50	2578
		3.00					2.60			5.20	18.00	22.00	2579
		9.00		18.00		10.00	6.60	15.00		15.00	45.00	53.90	2580
		6.00	6.00	14.00		4.00	5.00			4.80	24.00	8.00	2581
		3.00	6.00	12.00		6.00	2.50	10.00		4.80	18.00	10.00	2582
1.50		6.00	6.50	10.00		4.50	5.00	10.00			115.00	390.75	2583
		3.00	18.50	9.00		8.00	15.60	11.30	5.20	6.00	5.00	35.75	2584
		6.00	20.00	20.00		8.25	37.20	15.00		15.00	12.00	34.80	2585
		3.00	7.60	15.00		4.50	6.70			7.80		91.00	2586
		3.00	5.20	2.00		4.00	7.80	15.00	20.00	24.00	12.00	6.50	2587
1.68		3.00	5.70	.30		4.85	3.00			6.00	5.20	101.75	2588
		6.00	5.20	12.00		6.00	6.25	10.00		10.60	16.00	22.00	2589
		3.00	6.50	11.00		3.00	16.60			5.20	20.00	29.00	2590
		3.00		5.00		2.30	2.60			3.00	19.80	11.00	2591
			17.70	2.00			1.50				25.00	34.50	2592
		2.40	9.30				3.10		35.00	4.48	2.00	26.62	2593

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.	Pit ex- pen- ses.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.				Child- ren.
2594	O. H.	3 \$65.00	Coal	.....	\$11.25	Oil	20	\$2.00	\$20.00	\$10.00	\$15.00	\$39.00	\$2.08	\$20.27
2595		.....	Coal	.....	12.00	Oil	30	3.00	37.00	15.00	40.00	13.00	5.60	48.92
2596	O. H.	.....	Coal	.....	15.75	Oil	18	1.80	12.00	8.00	45.00	9.50	5.50	12.00
2597	5	125.00	Coal	.....	22.50	Oil	30	3.00	40.00	70.00	40.00	30.00	23.00	.....
2598	4	96.00	Coal	.....	37.50	Oil	24	2.40	45.00	40.00	165.00	36.00	7.00	.....
2599	3	86.80	Coal	.....	37.50	Oil	12	1.20	10.00	10.00	200.00	.....	3.00	.....
2600	2	64.00	.....	.....	29.00	.....	16	1.60	50.00	35.00	40.00	.....	3.00	.....
2601	2	66.00	Coal	.....	28.40	Oil	12	1.80	35.00	20.00	100.00	.....	7.20	.....
2602	2	60.00	Coal	.....	25.50	Oil	15	1.50	50.00	30.00	85.00	20.00	5.00	.....
2603	8	180.00	Coal	.....	30.00	Oil	48	4.80	52.00	30.00	100.00	.....	3.00	.....
2604	3	36.00	Coal	.....	22.50	Oil	12	1.20	40.00	30.00	78.00	31.50	4.50	.....
2605	O. H.	.....	Wood	.....	9.26	Oil	26	4.01	15.44	6.76	23.16	3.86	1.54	.....
2606		4 20.84	.....	.....	22.90	Oil	30	6.95	11.58	10.62	27.02	4.83	.....	.....
2607	.....	13.90	.....	.....	20.84	Oil	26	3.02	19.30	11.58	9.65	4.83	.....	.....
2608	.....	Free	.....	.....	20.84	Oil	26	6.02	38.60	9.65	42.46	13.51	.....	.....
2609	.....	13.90	.....	.....	15.52	Oil	13	1.50	21.23	9.65	.....	9.65	.....	.....
2610	3	27.79	.....	.....	.....	Oil	24	3.71	15.44	15.44	38.60	9.65	.....	.....
2611	4	23.16	Wood	.....	4.63	Oil	18	2.78	14.48	5.79	35.51	9.65	.....	.....
2612	2	17.37	Wood	.....	10.76	Oil	18	2.08	10.42	3.86	28.95	9.65	.....	.....
2613	4	20.84	.....	.....	18.07	Oil	30	4.63	13.51	7.72	77.20	19.30	.....	.....
2614	3	13.90	Wood	.....	6.95	Oil	18	2.78	24.13	10.62	34.74	5.79	.....	.....
2615	4	63.12	Coal	.....	7 11.42	Oil	26	4.45	11.90	5.95	4.99	2.38	6.10	8.33
2616	3	54.74	Coal	.....	7 11.42	Oil	19	2.23	11.07	4.76	80.92	1.43	2.55	.....
2617	4	39.27	Coal	.....	8 11.42	.....	12	2.28	14.28	11.90	66.64	2.38	2.18	.....
2618	4	39.98	Coal	.....	6 8.57	Oil	12	2.38	17.85	4.76	71.40	2.38	1.59	7.14
2619	4	35.70	Coal	.....	6 8.57	Oil	13	2.48	14.28	7.14	9.52	3.57	3.41	.....
2620	4	35.70	Coal	.....	9 12.85	Oil	.....	4.95	20.23	27.37	35.70	7.14	6.83	.....
2621	4	35.70	.....	.....	20.94	Oil	20	3.71	19.04	15.47	28.56	21.42	1.71	.....
2622	4	39.51	.....	.....	13.33	Oil	13	2.48	11.90	8.57	90.44	16.66	3.18	7.14
2623	4	35.70	Coal	.....	6 8.57	Oil	20	3.81	9.52	4.76	17.85	3.57	3.41	.....
2624	4	39.27	.....	.....	15.47	Oil	13	2.48	16.66	9.52	57.12	3.57	3.18	.....
2625	4	45.46	Coal	.....	6 8.57	Oil	15	2.86	23.80	11.90	35.70	7.14	7.14	.....
2626	4	39.51	Coal	.....	6 8.57	Oil	20	3.71	14.28	9.52	28.56	3.57	3.18	.....
2627	2	18.56	Coal	.....	8.57	Oil	.....	2.28	14.28	4.76	.....	2.38	2.59	.....
2628	2	28.56	Coal	.....	8.57	Oil	.....	2.28	26.18	15.47	14.28	2.38	4.64	.....
2629	2	31.42	Coal	.....	7.14	Oil	.....	1.14	7.14	2.38	7.14	1.19	4.90	.....
2630	2	28.56	Coal	.....	10.71	Oil	.....	5.95	23.80	4.76	47.60	4.76	2.74	.....
2631	2	35.70	Coal	.....	8.57	Oil	.....	2.86	23.80	14.28	23.80	2.38	3.33	.....
2632	3	49.03	Coal	.....	8.57	Oil	.....	8.81	30.94	14.28	35.70	4.76	3.17	.....
2633	4	63.26	Coal	.....	12.65	Oil	.....	6.33	14.60	12.16	9.73	.....	.....	.....
2634	4	56.94	Coal	.....	12.65	Oil	.....	6.33	21.90	15.82	48.67	1.46	.....	.....
2635	4	56.94	Coal	.....	12.65	Oil	.....	6.33	21.90	14.60	58.40	1.46	.....	.....
2636	4	63.26	Coal	.....	12.65	Oil	.....	6.33	17.03	12.16	14.60	.....	.....	.....
2637	3	44.29	Coal	.....	12.65	Oil	.....	6.33	18.25	14.60	24.33	.....	.....	.....
2638	4	50.62	Coal	.....	12.65	Oil	.....	6.33	21.90	14.60	34.07	.....	.....	.....
2639	4	50.62	Coal	.....	12.65	Oil	.....	6.33	21.90	14.60	43.80	1.46	.....	.....
2640	4	50.62	Coal	.....	12.65	Oil	.....	6.33	19.47	15.82	43.80	1.22	.....	.....
2641	6	48.50	Coal	.....	12.63	Oil	.....	6.33	19.47	14.60	68.13	1.46	.....	.....
2642	4	50.62	Coal	.....	12.65	Oil	.....	6.33	19.47	14.60	68.13	2.43	.....	.....
2643	4	50.62	Coal	.....	12.65	Oil	.....	6.33	19.47	14.60	68.13	1.70	.....	.....
2644	3	47.45	Coal	.....	12.65	Oil	.....	6.33	21.90	14.60	34.07	.....	.....	.....
2645	4	56.94	Coal	.....	12.65	Oil	.....	6.33	21.90	17.03	43.80	1.09	.....	.....
2646	3	44.29	Coal	.....	12.65	Oil	.....	6.33	21.90	13.38	36.50	1.46	.....	.....
2647	3	28.95	Coal	.....	20.20	Oil	.....	3.89	9.73	9.73	14.60	2.43	.....	.....
2648	3	47.45	Coal	.....	12.16	Oil	.....	4.87	14.60	12.16	48.67	7.30	.....	.....
2649	3	40.06	Coal	.....	12.16	Oil	.....	4.38	14.60	12.16	9.73	2.43	.....	.....
2650	3	43.23	Coal	.....	12.16	Oil	.....	4.87	14.60	12.16	38.93	1.22	.....	.....
2651	3	47.45	Coal	.....	12.16	Oil	.....	4.14	14.60	14.60	38.93	2.43	.....	.....
2652	2	33.74	Coal	.....	12.16	Oil	.....	4.38	14.60	12.16	19.47	2.43	.....	.....
2653	3	40.06	Coal	.....	12.16	.....	.....	4.14	9.73	.....	48.67	2.43	.....	.....
2654	2	21.90	Coal	.....	17.52	Oil	.....	1.95	9.73	14.60	3.65	2.43	.....	.....
2655	4	38.21	Coal	.....	28.47	Oil	.....	3.65	38.93	38.93	7.30	2.43	.....	.....
2656	3	29.52	Coal	.....	28.47	Oil	.....	2.92	29.20	34.07	.....	7.30	.....	.....
2657	3	25.55	Coal	.....	21.90	Oil	.....	2.43	14.60	12.16	12.16	1.46	.....	.....
2658	3	29.52	Coal	.....	28.47	Oil	.....	2.92	19.47	14.60	.....	.....	.....	.....
2659	4	49.56	Coal	.....	14.76	Oil	.....	3.16	4.60	9.73	48.67	1.46	.....	.....
2660	3	31.63	Coal	.....	7.30	Oil	.....	3.16	.....	.....	9.73	.....	.....	.....
2661	5	69.59	Coal	.....	7.30	Oil	.....	3.16	19.47	19.47	43.80	2.43	.....	.....
2662	3	28.47	Coal	.....	22.15	Oil	.....	1.95	19.47	17.03	12.16	.....	.....	.....
2663	4	44.29	Coal	.....	14.49	Oil	.....	3.16	14.60	9.73	48.67	2.43	.....	.....







TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Budget number.	Rent.		Fuel.		Lighting.			Clothing.			Furniture and utensils.	Taxes.	Pit expenses.
	Rooms.	Cost.	Kind.	Quantity (tons).	Cost.	Kind.	Quantity (gallons).	Cost.	Husband.	Wife.	Children.		
2664	5	\$50.61	Coal	13	\$3.16	Oil	.....	.....	\$19.47	\$19.47	\$58.40	\$9.73	.....
2665	4	44.29	Coal	.....	12.65	Oil	.....	\$6.33	19.47	19.47	58.40	1.46	.....
2666	3	31.63	Coal	.....	7.30	Oil	.....	4.14	14.60	12.17	19.47	.....	.....
2667	4	44.29	Coal	.....	12.65	Oil	.....	6.33	19.47	19.47	58.40	17.03	.....
2668	4	47.45	Coal	.....	14.60	Oil	.....	3.90	9.73	9.73	24.33	1.46	.....
2669	4	50.61	Coal	.....	12.65	Oil	.....	6.33	24.33	19.47	38.93	2.43	.....
2670	4	63.26	Coal	.....	.....	Gas	.....	9.73	19.47	14.60	21.90	9.73	.....
2671	4	56.94	Coal	.....	4.74	Gas	.....	8.17	19.47	14.60	48.67	7.30	.....
2672	6	63.26	Coal	13	31.63	Oil	.....	9.73	14.60	14.60	97.33	29.20	.....
2673	5	63.26	Coal	.....	17.03	Gas	.....	9.73	24.33	14.60	19.47	4.87	.....
2674	4	56.94	Coal	.....	18.65	Gas	.....	4.79	19.47	14.60	29.20	6.33	.....
2675	4	50.61	Coal	.....	24.33	Oil	.....	6.33	24.33	14.60	29.20	2.43	.....
2676	4	50.61	Coal	.....	13.62	Oil	.....	7.79	9.73	9.73	17.03	2.43	.....
2677	4	56.94	Coal	.....	.....	Gas	.....	9.73	14.60	14.60	.....	4.87	.....
2678	4	37.96	Coal	8	19.47	Oil	.....	3.65	14.60	14.60	19.47	17.03	.....
2679	4	56.94	Coal	.....	16.22	Gas	.....	3.20	14.60	14.60	2.43	2.43	.....
2680	4	50.61	Coal	.....	19.47	Oil	.....	4.87	14.60	14.60	43.80	7.30	.....
2681	4	56.94	Coal	.....	9.61	Gas	.....	8.21	14.60	12.17	34.07	2.43	.....
2682	4	47.45	Coal	.....	14.76	Oil	.....	6.33	19.47	19.47	34.07	9.73	.....
2683	4	56.94	Coal	.....	9.49	Oil	.....	4.87	17.03	14.60	38.93	4.87	.....
2684	4	50.61	Coal	.....	8.15	Gas	.....	7.14	19.47	14.60	29.20	6.33	.....
2685	4	56.94	Coal	.....	9.25	Gas	.....	8.15	24.33	29.20	38.93	7.30	.....
2686	5	63.26	Coal	.....	12.65	Gas	.....	9.73	24.33	14.60	38.93	2.43	.....
2687	3	37.96	Coal	.....	12.65	Oil	.....	4.38	9.73	9.73	19.47	.....	.....
2688	3	44.29	Coal	.....	13.14	Gas	.....	4.46	9.73	9.73	7.30	1.46	.....
2689	4	50.61	Coal	.....	12.65	Oil	.....	4.87	14.60	14.60	48.67	2.43	.....
2690	4	44.29	Coal	.....	12.65	Oil	.....	4.87	14.60	14.60	14.60	1.95	.....
2691	4	50.61	Coal	.....	19.47	Oil	.....	7.30	17.03	14.60	48.67	1.22	.....
2692	3	48.50	Coal	.....	11.36	Oil	.....	3.89	9.73	9.73	9.73	1.46	.....
2693	4	37.96	Coal	.....	12.65	Oil	.....	6.33	24.33	24.33	34.07	3.65	.....
2694	4	50.61	Coal	.....	.....	Oil	.....	6.08	12.17	9.73	14.60	4.87	.....
2695	4	50.61	Coal	.....	7.91	Oil	.....	4.22	14.60	14.60	29.20	2.43	.....
2696	4	56.94	Coal	.....	12.65	Oil	.....	7.30	19.47	12.17	7.30	7.30	.....
2697	4	56.94	Coal	.....	18.98	Gas	.....	7.54	29.20	24.33	58.40	7.30	.....
2698	4	53.53	Coal	.....	14.60	Oil	.....	4.26	12.17	12.17	29.20	7.30	.....
2699	4	47.45	Coal	.....	9.73	Oil	.....	3.89	9.73	9.73	29.20	.....	.....
2700	4	56.94	Coal	.....	12.65	Oil	.....	7.30	14.60	.....	21.90	7.30	.....
2701	6	35.12	Coal	.....	29.20	Oil	.....	5.35	24.33	19.47	97.33	.....	.....
2702	4	69.59	Coal	.....	26.77	Oil	.....	4.87	14.60	.....	48.67	4.87	.....
2703	5	63.26	Coal	.....	9.73	Gas	.....	7.30	12.17	9.73	9.73	2.43	.....
2704	3	34.80	Coal	.....	12.65	Oil	.....	6.33	14.60	14.60	31.63	.....	.....
2705	4	50.61	Coal	.....	15.82	Oil	.....	6.33	19.47	19.47	87.60	1.46	.....
2706	5	44.29	Coal	.....	13.14	Oil	.....	4.14	9.73	9.73	4.87	2.43	.....
2707	4	63.26	Coal	.....	24.33	Oil	.....	4.87	14.60	14.60	53.53	3.65	.....
2708	4	56.94	Coal	.....	14.60	Gas	.....	8.52	12.17	9.73	16.95	7.30	.....
2709	4	54.83	Coal	.....	11.68	Gas	.....	4.79	19.47	14.60	24.33	2.43	.....
2710	3	34.80	Coal	.....	12.65	Oil	.....	4.33	19.47	14.60	19.47	1.70	.....
2711	4	56.94	Coal	.....	15.65	Gas	.....	4.34	24.33	14.60	38.93	3.65	.....
2712	4	50.61	Coal	.....	14.60	Oil	.....	6.33	14.60	12.17	9.73	3.65	.....
2713	6	50.61	Coal	.....	19.47	Oil	.....	4.87	17.03	17.03	43.80	2.43	.....
2714	4	50.61	Coal	.....	14.60	Oil	.....	4.14	14.60	14.60	29.20	2.43	.....
2715	6	72.75	Coal	.....	12.65	Gas	.....	9.73	14.60	9.73	31.63	6.08	.....
2716	4	56.94	Coal	.....	12.65	Oil	.....	6.33	18.98	18.98	18.98	.73	.....
2717	3	48.50	Coal	.....	7.18	Gas	.....	4.74	14.60	9.73	7.30	2.43	.....
2718	5	50.61	Coal	.....	12.65	Oil	.....	9.73	19.47	14.60	58.40	7.30	.....
2719	4	44.29	Coal	.....	14.60	Oil	.....	4.87	14.60	12.17	29.20	1.46	.....
2720	4	56.94	Coal	.....	14.60	Oil	.....	6.33	29.20	24.33	38.93	2.43	.....
2721	4	56.94	Coal	.....	14.60	Oil	.....	6.33	29.20	19.47	9.73	7.30	.....
2722	7	75.92	Coal	.....	.....	.....	.....	.....	21.90	19.47	29.20	.....	.....
2723	4	50.61	Coal	.....	17.03	Oil	.....	4.14	17.03	14.60	17.03	2.43	.....
2724	4	50.61	Coal	.....	11.68	Oil	.....	7.30	17.03	12.17	19.47	8.52	.....
2725	4	47.45	Coal	.....	9.49	Oil	.....	4.22	14.60	14.60	29.20	9.73	.....
2726	4	56.94	Coal	.....	13.38	Oil	.....	4.38	9.73	9.73	3.65	2.43	.....
2727	4	50.61	Coal	.....	9.49	Oil	.....	4.87	19.47	17.03	43.80	9.73	.....
2728	6	63.26	Coal	.....	9.49	Oil	.....	6.33	17.03	17.03	48.67	9.73	.....
2729	4	50.61	Coal	.....	18.98	Oil	.....	6.33	38.93	19.47	58.40	6.08	.....
2730	3	29.20	Coal	.....	12.65	Oil	.....	6.33	19.47	14.60	9.73	4.87	.....
2731	4	37.96	Coal	.....	12.65	Oil	.....	6.33	19.47	9.73	29.20	9.73	.....
2732	4	50.61	Coal	.....	12.65	Oil	.....	6.33	24.33	14.60	19.47	9.73	.....
2733	4	56.94	Coal	.....	18.98	Oil	.....	6.33	19.47	14.60	73.00	7.30	.....
2734	3	60.10	Coal	.....	11.68	Oil	.....	6.33	14.60	14.60	4.87	2.92	.....

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
.....	\$23.12	.....	\$6.33	\$9.73	\$2.43	\$12.65	\$19.47	\$24.33	.....	.....	.....	\$265.23	2664
.....	.....	\$6.33	9.73	.....	.....	6.33	2.43	25.31	\$6.33	\$19.47	\$6.33	238.00	2665
.....	.....	6.33	5.27	.....	.....	1.46	.....	12.65	6.33	.....	.....	121.35	2666
.....	5.27	.....	12.65	3.16	.....	3.16	7.30	25.31	12.65	3.16	2.43	252.73	2667
.....	9.49	.....	3.69	.....	.....	1.46	2.43	6.33	12.65	2.11	.....	149.36	2668
.....	.....	6.33	5.27	.....	.....	6.33	.....	50.61	12.65	2.11	.....	238.05	2669
.....	12.65	6.33	3.16	2.43	.....	4.87	14.60	19.47	.....	7.30	.....	209.50	2670
.....	5.27	.....	12.65	2.43	1.46	6.33	24.33	37.96	25.31	2.11	2.43	280.17	2671
.....	12.65	25.31	25.31	7.30	.....	25.31	48.67	97.33	37.96	121.66	126.53	738.38	2672
.....	12.65	6.33	6.33	.....	1.22	1.22	2.43	34.07	4.87	4.87	.....	227.28	2673
.....	.....	6.33	5.54	2.43	1.46	6.33	13.38	25.31	12.65	2.11	.....	225.52	2674
.....	3.16	6.33	5.27	.....	.....	3.17	.....	25.31	12.65	2.11	.....	209.83	2675
.....	6.33	6.33	.....	1.22	.24	1.09	7.79	24.33	3.65	4.87	.....	166.79	2676
.....	12.65	6.33	.....	2.43	1.22	2.43	.....	12.17	12.65	4.87	.....	155.49	2677
.....	4.22	6.33	3.16	4.87	1.22	2.11	12.65	12.65	6.33	3.65	4.87	188.84	2678
.....	5.27	.....	3.69	.....	.....	2.43	2.43	12.65	12.65	2.11	.....	151.65	2679
.....	24.33	.....	4.22	1.22	4.87	6.33	12.65	24.33	9.49	3.65	.....	245.34	2680
.....	2.11	.....	3.69	.....	.....	3.16	2.43	.....	12.65	2.11	.....	164.18	2681
.....	9.49	6.33	.....	4.22	.....	2.11	7.30	.....	6.33	3.16	.....	190.22	2682
.....	6.33	6.33	.....	2.43	2.43	6.33	12.65	12.65	6.33	3.65	9.49	215.35	2683
.....	8.44	.....	3.69	2.43	.....	2.43	2.43	.....	12.65	2.11	.....	169.68	2684
.....	6.33	.....	3.69	2.43	2.43	6.33	19.47	25.31	12.65	2.11	2.43	257.28	2685
.....	18.98	6.33	9.73	2.43	2.43	4.87	4.87	14.60	3.65	7.30	.....	241.12	2686
.....	7.38	6.33	.....	2.11	.....	1.05	.....	12.65	6.33	3.16	.....	132.93	2687
.....	6.33	.....	.....	.....	.....	2.43	2.43	25.31	12.65	2.11	3.69	145.06	2688
.....	9.49	.....	.....	3.16	.....	12.65	.....	18.98	12.65	9.49	.....	214.85	2689
.....	9.49	.....	.....	.....	.....	1.05	.....	18.98	12.65	3.17	.....	152.90	2690
.....	12.65	6.33	4.87	.....	2.43	1.22	1.22	12.65	4.87	7.30	.....	212.44	2691
.....	.....	.....	3.69	.....	.....	3.16	2.43	12.65	12.65	2.11	.....	131.00	2692
.....	6.33	.....	.....	6.33	3.16	2.11	2.43	.....	.....	3.16	2.43	169.27	2693
.....	6.33	.....	.....	.....	.....	2.43	.....	14.60	7.30	7.30	.....	136.02	2694
.....	3.16	.....	6.33	.....	1.46	2.43	14.60	25.31	12.65	2.11	.....	191.62	2695
.....	12.65	6.33	3.16	.....	.....	2.43	2.43	21.90	4.87	.....	.....	176.90	2696
.....	6.33	.....	7.38	6.33	2.43	6.33	29.20	25.31	18.98	2.11	29.20	336.29	2697
.....	3.00	.....	5.47	2.43	1.22	4.87	9.73	25.31	6.33	.....	8.44	200.03	2698
.....	.....	.....	3.69	.....	.....	2.92	2.43	.....	6.33	2.11	.....	127.21	2699
.....	6.33	6.33	6.33	.....	.....	6.33	.....	38.93	9.73	7.30	.....	201.97	2700
.....	.....	.....	13.71	12.65	.....	4.22	9.73	.....	.....	3.16	63.26	317.53	2701
.....	9.49	.....	12.65	2.43	4.87	6.33	36.50	24.33	6.33	.....	.....	272.30	2702
.....	9.49	.....	6.33	.....	.....	2.43	19.47	9.73	.....	14.60	.....	176.40	2703
.....	.....	.....	12.65	3.16	.....	7.38	.....	12.65	12.65	3.16	.....	166.26	2704
.....	10.54	.....	3.16	3.16	3.16	3.16	9.73	25.31	12.65	3.16	25.31	300.10	2705
.....	3.16	.....	3.69	.....	.....	2.44	2.43	12.65	12.65	2.11	.....	127.46	2706
.....	12.65	3.16	6.33	1.22	4.87	6.33	97.33	51.10	12.65	54.75	.....	429.23	2707
.....	6.33	6.33	3.16	1.22	.....	2.43	14.60	14.60	6.33	7.30	.....	182.51	2708
.....	5.27	.....	3.69	2.43	1.46	3.16	16.06	25.31	12.65	2.11	2.43	206.70	2709
.....	12.65	12.65	.....	6.33	3.16	4.22	7.30	.....	6.33	3.16	.....	162.87	2710
.....	5.27	.....	5.54	6.33	.....	6.33	16.06	12.65	12.65	2.11	3.65	229.03	2711
.....	6.33	6.33	.....	.....	.....	2.43	.....	14.60	9.73	1.22	7.30	159.63	2712
.....	12.90	.....	7.38	4.87	4.87	12.65	12.65	.....	12.65	.....	.....	223.21	2713
.....	2.11	6.33	5.27	.....	.....	2.43	.....	12.65	6.33	2.11	.....	167.41	2714
.....	6.33	6.33	11.19	11.19	2.43	4.87	29.20	.....	.....	48.67	.....	277.38	2715
.....	4.22	.....	.....	2.11	.....	2.11	.....	12.65	9.49	3.16	.....	167.33	2716
.....	3.16	6.33	3.69	.....	.....	3.16	2.43	18.98	6.33	2.11	.....	140.67	2717
.....	6.33	6.33	6.33	.....	.....	2.92	3.65	38.93	14.60	7.79	17.03	276.67	2718
.....	4.22	6.33	5.27	.....	.....	3.16	.....	25.31	18.98	2.43	.....	186.89	2719
.....	13.38	.....	4.22	3.16	.....	4.22	1.22	6.33	12.65	3.16	2.43	223.53	2720
.....	16.95	.....	2.43	3.65	.....	12.65	1.22	25.31	12.65	3.16	1.22	222.81	2721
.....	94.90	.....	12.65	9.73	2.43	12.65	24.33	.....	.....	38.93	.....	342.11	2722
.....	9.21	.....	.....	3.65	2.43	6.33	7.30	3.16	6.33	4.87	10.54	176.69	2723
.....	6.33	.....	10.46	.....	.....	2.43	19.47	.....	6.33	2.43	7.30	181.53	2724
.....	9.49	6.33	.....	2.43	4.87	3.16	27.25	34.07	3.16	3.65	.....	223.70	2725
.....	.....	.....	3.69	.....	.....	3.16	2.43	12.65	12.65	2.11	.....	136.93	2726
.....	12.65	6.33	12.65	9.73	7.30	6.33	61.32	36.50	9.49	4.87	.....	322.17	2727
.....	18.98	.....	.....	7.30	9.73	6.33	12.65	.....	6.33	3.65	.....	236.51	2728
.....	5.27	12.65	10.54	.....	.....	6.33	2.43	50.61	7.30	12.65	12.65	319.23	2729
.....	6.33	6.33	9.73	.....	.....	3.16	4.87	24.33	6.33	9.73	4.87	172.53	2730
.....	4.22	12.65	9.73	.....	.....	2.43	4.87	24.33	6.33	14.60	4.87	209.10	2731
.....	4.22	6.33	12.65	.....	.....	6.33	4.87	38.93	6.33	12.65	4.87	234.90	2732
.....	4.22	18.98	15.82	.....	1.22	12.65	26.77	73.00	.....	9.49	.....	358.77	2733
.....	3.16	6.33	7.30	.97	.24	1.46	14.60	.....	7.30	3.16	2.43	162.05	2734



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	Pit ex- pen- ses.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
2735	5	\$63.26	Coal	.....	\$12.65	Oil	.....	\$7.30	\$19.47	\$14.60	\$58.40	\$7.30	.....
2736	4	56.94	Coal	.....	12.65	Oil	.....	7.30	17.03	14.60	29.20	4.87	.....
2737	O. H.	.....	Coal	13	31.63	Oil	.....	4.87	12.17	12.17	48.67	.....	\$19.47
2738	4	44.20	Coal	.....	12.65	Oil	.....	6.33	24.33	24.33	21.33	2.43	.....
2730	4	47.45	Coal	.....	12.65	Oil	.....	6.33	24.33	24.33	58.40	1.22	.....
2740	4	47.45	Coal	.....	12.65	Oil	.....	6.33	19.47	14.60	48.67	.97	.....
2741	5	63.26	Coal	.....	7.91	Gas	.....	8.27	19.47	14.60	38.93	3.65	.....
2742	4	23.36	Coal	.....	25.31	Oil	13	3.89	19.47	24.33	48.67	12.17	.....
2743	4	47.45	Coal	.....	18.98	Oil	.....	9.49	34.55	24.33	.....	17.88	.....
2744	4	47.45	Coal	.....	25.31	Oil	.....	2.16	25.79	19.47	14.60	.73	.....
2745	4	44.29	Coal	.....	18.98	Oil	.....	7.30	19.47	16.06	24.33	7.30	.....
2746	4	44.29	Coal	.....	23.20	Oil	.....	2.64	21.90	19.47	14.60	7.30	.....
2747	4	44.29	Coal	.....	26.77	Oil	.....	6.81	31.63	24.33	17.03	4.38	.....
2748	4	47.45	Coal	.....	25.31	Oil	.....	6.33	34.07	26.77	.....	19.47	.....
2749	4	47.45	Coal	.....	25.31	Oil	.....	4.22	29.20	24.33	34.07	14.60	.....
2750	4	56.94	Coal	.....	16.06	Gas	.....	5.27	19.47	14.60	43.80	4.87	.....
2751	4	50.61	Coal	.....	13.63	Oil	.....	3.65	14.60	14.60	14.60	2.43	.....
2752	4	50.61	Coal	.....	13.63	Oil	.....	7.30	12.17	9.73	7.30	4.87	.....
2753	4	56.94	Coal	.....	15.82	Oil	.....	6.33	19.47	19.47	97.33	7.30	.....
2754	5	63.26	Coal	.....	8.76	Gas	.....	4.34	14.60	9.73	38.93	2.43	.....
2755	4	50.61	Coal	.....	14.60	Oil	.....	4.87	14.60	14.60	48.67	2.43	.....
2756	4	50.61	Coal	.....	13.63	Oil	.....	6.33	14.60	12.17	9.73	4.87	.....
2757	4	50.61	Coal	10	24.33	Oil	.....	4.87	17.03	14.60	34.07	7.30	.....
2758	4	50.61	Coal	.....	12.17	Oil	.....	4.87	14.60	14.60	14.60	2.43	.....
2759	5	50.61	Coal	.....	9.49	Oil	.....	4.87	17.03	17.03	68.13	9.73	.....
2760	4	50.61	Coal	.....	18.98	Oil	.....	6.33	19.47	14.60	48.67	12.17	.....
2761	3	47.45	Coal	.....	12.16	Oil	.....	4.87	12.16	9.73	58.40	.....	.....
2762	4	50.61	Coal	.....	19.47	Oil	.....	4.87	14.60	14.60	48.67	2.43	.....
2763	4	50.62	Coal	.....	12.65	Oil	.....	6.33	19.47	15.82	29.20	.97	.....
2764	4	50.62	Coal	.....	12.65	Oil	.....	6.33	17.03	14.60	43.80	.97	.....
2765	4	56.04	Coal	.....	12.65	Oil	.....	6.33	20.69	14.60	53.53	2.43	.....
2766	2	34.80	Coal	.....	15.82	Oil	.....	4.38	14.60	12.16	9.73	2.43	.....
2767	3	34.80	Coal	.....	15.82	Oil	.....	4.38	17.03	14.60	14.60	2.43	.....
2768	3	40.06	Coal	.....	12.16	Oil	.....	4.38	14.60	12.16	14.60	2.43	.....
2769	3	47.45	Coal	.....	12.16	Oil	.....	4.87	14.60	14.60	29.20	2.43	.....
2770	3	40.06	Coal	.....	12.16	Oil	.....	4.14	14.60	14.60	19.47	2.43	.....
2771	4	58.40	Coal	.....	12.16	Oil	.....	4.87	14.60	14.60	9.73	7.30	.....
2772	3	34.80	Coal	.....	15.82	Oil	.....	4.87	14.60	14.60	58.40	2.43	.....
2773	3	34.80	Coal	.....	15.82	Oil	.....	4.38	14.60	.....	43.80	1.22	.....
2774	3	34.80	Coal	.....	15.82	Oil	.....	5.84	14.60	14.60	68.13	7.30	.....
2775	3	34.80	Coal	.....	15.82	Oil	.....	4.38	14.60	12.16	58.40	3.65	.....
2776	3	40.06	Coal	.....	12.16	Oil	.....	4.87	19.47	14.60	58.40	7.30	.....
2777	4	47.45	Coal	.....	12.16	Oil	.....	4.38	19.47	9.73	43.80	.....	.....
2778	2	34.80	Coal	.....	15.82	Oil	.....	4.87	14.60	14.60	19.47	2.43	.....
2779	4	47.45	Coal	.....	12.16	Oil	.....	4.38	14.60	14.60	38.93	2.43	.....
2780	3	29.52	Coal	.....	24.33	Oil	.....	2.43	21.90	21.33	.....	.....	.....
2781	4	32.69	Coal	.....	28.47	Oil	.....	4.38	14.60	14.60	29.20	2.43	.....
2782	3	29.52	Coal	.....	28.47	Oil	.....	2.92	19.47	17.03	.....	3.65	.....
2783	2	21.90	Coal	.....	18.98	Oil	.....	2.43	19.47	19.47	.....	17.03	.....
2784	3	29.62	Coal	.....	28.47	Oil	.....	1.95	7.30	4.87	.....	.....	.....
2785	3	29.52	Coal	.....	28.47	Oil	.....	1.95	9.73	7.30	.....	.....	.....
2786	4	46.39	Coal	.....	14.76	Oil	.....	3.16	24.33	24.33	12.16	2.43	.....
2787	3	28.47	Coal	.....	20.20	Oil	.....	3.16	19.47	17.03	4.87	1.46	.....
2788	3	29.48	Coal	.....	28.47	Oil	.....	1.95	8.52	6.09	5.84	.....	.....
2789	3	37.96	Coal	.....	6.57	Oil	.....	3.92	9.73	9.73	7.30	.....	.....
2790	3	25.30	Coal	.....	6.69	Oil	.....	2.43	9.73	4.87	4.87	.....	.....
2791	4	46.39	Coal	.....	14.76	Oil	.....	3.16	19.47	19.47	58.40	7.30	.....
2792	3	28.47	Coal	.....	20.20	Oil	.....	3.16	14.60	9.73	14.60	.....	.....
2793	3	29.52	Coal	.....	14.76	Oil	.....	3.16	14.60	12.16	38.93	1.46	.....
2794	3	29.52	Coal	.....	28.47	Oil	.....	2.43	14.60	14.60	7.30	.....	.....
2795	4	50.61	Coal	.....	17.52	Oil	.....	7.79	24.33	19.47	14.60	3.65	.....
2796	6	63.26	Coal	.....	12.65	Gas	.....	5.35	14.60	14.60	29.20	7.30	.....
2797	5	56.94	Coal	.....	12.65	Oil	.....	7.30	19.47	17.03	34.07	7.30	.....
2798	4	56.94	Coal	.....	19.47	Oil	.....	4.87	19.47	17.03	58.40	9.73	.....



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
.....	\$12.65	\$0.33	\$6.33	\$2.43	\$1.22	\$2.43	\$10.05	\$9.73	.....	\$9.73	.....	\$244.78	2735
.....	12.65	6.33	6.33	.....	.....	2.43	21.90	48.67	\$12.65	7.30	.....	260.85	2736
\$1.22	25.31	12.65	6.33	2.43	4.87	6.33	109.98	36.50	12.65	.....	\$120.53	473.78	2737
.....	8.44	6.33	.....	3.16	.....	4.22	4.87	12.05	9.49	3.16	2.43	193.44	2738
.....	6.33	12.65	.....	3.16	.....	2.11	4.87	18.98	12.65	6.33	18.98	260.77	2739
.....	15.82	6.33	.....	3.16	.....	6.33	.....	.....	9.49	6.33	18.98	216.58	2740
.....	5.27	6.33	3.69	2.43	1.40	3.16	12.17	25.31	12.65	2.11	2.43	233.10	2741
.....	.....	3.41	23.85	6.33	.....	3.16	.....	74.46	4.77	.....	6.33	279.51	2742
.....	.....	4.38	3.41	.....	1.22	12.17	41.37	25.31	10.54	.....	7.91	258.99	2743
.....	.....	3.41	10.71	.....	.....	.....	.....	25.31	8.27	.....	4.22	188.43	2744
.....	.....	3.41	4.38	.97	.....	.....	.....	14.60	7.38	.....	3.16	171.63	2745
.....	.....	3.41	4.38	.....	.....	1.95	.....	17.03	8.44	.....	4.74	173.35	2746
.....	.....	3.41	4.38	.....	.....	.....	24.33	20.20	7.38	.....	4.22	228.16	2747
.....	.....	3.41	4.38	2.11	.97	4.87	24.33	31.63	7.91	.....	3.65	242.66	2748
.....	.....	3.41	4.38	2.11	1.22	3.65	14.60	37.06	12.17	.....	3.16	261.84	2749
.....	6.33	.....	9.23	2.43	2.43	0.33	26.77	25.31	12.05	2.11	.....	254.60	2750
.....	51.83	.....	.....	4.87	2.43	3.16	25.31	.....	.....	.....	6.33	208.05	2751
.....	6.33	6.33	6.33	.....	.....	2.43	.....	12.17	7.30	14.00	.....	161.10	2752
.....	16.87	12.65	.....	6.33	.....	4.22	14.60	37.06	12.65	6.33	48.67	382.94	2753
.....	3.16	.....	3.69	.....	1.40	3.16	7.30	12.65	18.98	2.11	.....	194.56	2754
.....	5.27	6.33	5.27	.....	.....	1.46	.....	37.06	12.65	2.11	.....	221.43	2755
.....	6.33	6.33	6.33	.....	1.22	2.43	2.43	9.73	12.17	7.30	.....	166.21	2756
.....	6.33	6.33	6.33	24.33	12.17	6.33	60.83	12.65	.....	.....	.....	288.11	2757
.....	.....	.....	6.33	.....	.....	1.46	2.43	25.31	6.33	2.11	.....	157.85	2758
.....	12.65	50.61	8.44	24.33	4.87	12.65	146.00	36.50	18.98	19.47	.....	611.39	2759
.....	2.11	18.98	19.47	.....	.....	12.65	4.87	50.61	7.30	24.33	4.87	316.02	2760
.....	.....	.....	.....	.....	.....	2.43	.....	.....	.....	1.05	.....	148.25	2701
.....	6.33	.....	7.38	2.43	1.22	3.16	19.47	12.65	6.33	43.80	.....	258.02	2702
.....	9.49	6.33	4.22	.....	.....	3.65	.....	.....	12.65	3.16	17.52	192.08	2763
.....	9.49	6.33	6.33	.....	.....	4.87	.....	.....	7.30	6.33	.....	186.65	2764
.....	18.98	6.33	6.33	6.33	2.43	2.43	.....	24.33	12.65	6.33	26.76	280.07	2765
.....	6.33	6.33	3.16	2.43	2.43	2.92	4.87	12.05	12.65	1.05	.....	148.74	2766
.....	3.16	6.33	6.33	.....	1.46	2.43	.....	12.65	12.65	1.05	.....	149.72	2767
.....	9.49	6.33	3.16	1.46	2.43	3.16	2.43	12.05	6.33	1.05	.....	148.88	2768
.....	4.22	6.33	2.43	2.43	.....	2.43	2.43	25.30	12.05	.....	.....	183.53	2769
.....	6.33	6.33	.....	.....	.....	1.46	.....	12.05	12.05	1.05	.....	147.93	2770
.....	6.33	6.33	2.43	2.43	.....	2.43	1.46	12.65	6.33	1.05	.....	163.10	2771
.....	4.22	6.33	6.33	.....	2.43	3.16	4.87	25.30	12.05	1.05	.....	211.80	2772
.....	3.16	.....	6.33	.....	.....	2.43	2.43	6.33	12.05	1.05	.....	149.00	2773
.....	6.32	6.33	6.33	2.43	.....	3.16	2.43	25.30	12.65	1.05	.....	227.09	2774
.....	6.33	6.33	.....	2.43	1.40	2.43	2.43	18.98	12.65	1.05	.....	197.00	2775
.....	5.27	6.33	2.43	.....	.....	2.43	4.87	29.20	12.05	1.05	.....	221.09	2776
.....	.....	.....	2.43	.....	.....	1.40	1.40	12.65	12.65	1.05	.....	168.69	2777
.....	6.32	.....	6.33	.....	.....	2.43	.....	12.05	12.65	1.05	.....	148.02	2778
.....	4.22	6.33	.....	.....	.....	2.43	.....	25.30	12.65	1.05	.....	186.53	2779
.....	14.84	.73	.....	1.46	1.22	1.06	.....	12.65	6.33	2.84	.....	143.64	2780
.....	13.14	.73	.....	.....	.....	1.05	4.87	25.30	12.65	5.38	.....	189.40	2781
.....	14.60	.....	.....	.....	.....	1.05	2.43	18.98	6.33	3.16	.....	147.01	2782
.....	5.84	.....	.....	.....	1.22	2.43	2.43	7.30	0.32	2.43	.....	127.26	2783
.....	.....	.....	.....	.....	.....	.....	.....	.....	6.33	2.03	.....	80.47	2784
.....	14.84	.....	.....	.....	.....	1.00	.....	12.05	6.33	2.33	.....	114.18	2785
.....	18.99	.....	.....	25.30	2.43	2.03	14.60	12.05	6.33	5.48	.....	215.37	2786
.....	15.89	.....	.....	1.46	1.40	2.11	2.92	9.49	6.33	3.71	.....	138.03	2787
.....	11.11	.....	.....	.....	.....	.96	.....	25.30	6.33	2.84	.....	126.89	2788
.....	17.37	.....	.....	.....	.....	.....	.....	12.65	0.31	2.84	.....	113.38	2789
.....	11.28	.....	.....	1.46	.73	1.05	.....	0.33	6.33	2.92	.....	83.99	2790
.....	42.83	.....	6.33	9.73	1.22	3.05	24.33	18.98	25.30	8.03	19.47	328.82	2791
.....	19.06	.....	.....	2.92	1.46	.....	4.89	12.65	12.65	3.05	.....	148.04	2792
.....	19.96	.....	6.33	9.01	1.22	2.43	4.87	25.30	12.65	5.36	14.60	216.32	2793
.....	19.06	.....	.....	.....	1.22	2.43	.....	14.60	6.33	3.10	.....	143.72	2794
.....	12.05	6.33	6.33	.....	1.22	1.70	2.43	.....	12.65	6.33	.....	187.61	2795
.....	9.49	6.33	6.33	9.73	7.30	12.65	55.90	30.50	25.31	48.67	.....	365.23	2796
.....	12.65	6.33	6.33	9.73	2.43	4.87	10.47	.....	.....	4.87	.....	221.44	2797
.....	6.33	.....	9.49	4.87	9.73	12.05	00.83	24.33	12.65	.....	12.65	339.44	2798

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE.

Bud. get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
2097	3	No...	\$60.00	\$176.45	\$440.50	\$676.95	\$708.56	.....	.....	\$708.56	\$31.61	.....
2098	3	No...	36.00	261.60	364.10	661.70	847.48	.....	\$96.00	943.48	281.78	.....
2099	4	No...	36.00	276.55	303.70	616.25	628.50	.....	.....	628.50	12.25	.....
2100	6	No...	48.00	411.20	473.70	932.90	684.56	\$530.00	.....	1,214.56	281.66	.....
2101	6	Yes...	.....	212.40	395.50	607.90	350.00	175.00	96.00	621.00	13.10	.....
2102	6	No...	72.00	261.10	312.70	645.80	1,014.58	175.00	.....	1,014.58	368.78	.....
2103	5	No...	60.00	206.90	321.00	587.90	450.29	.....	.....	450.29	.....	\$137.61
2104	7	No...	36.00	290.50	571.80	898.30	960.00	.....	.....	960.00	61.70	.....
2105	7	Yes...	.....	219.25	441.30	660.55	578.10	240.00	.....	818.10	157.55	.....
2106	2	No...	60.00	173.90	463.90	697.80	1,080.00	.....	144.00	1,224.00	526.20	.....
2107	8	No...	42.00	255.31	534.20	831.51	680.31	.....	.....	680.31	.....	151.20
2108	3	No...	60.00	230.80	518.00	808.80	1,215.27	.....	.....	1,215.27	406.47	.....
2109	7	No...	72.00	179.10	557.60	808.70	450.00	225.00	.....	875.00	.....	133.70
2110	3	No...	60.00	195.30	392.60	647.90	466.63	.....	.....	466.63	.....	181.27
2111	2	No...	98.00	184.15	467.50	747.65	691.87	.....	.....	691.87	.....	55.78
2112	4	Yes...	.....	261.00	393.13	654.13	1,080.00	.....	.....	1,080.00	425.87	.....
2113	9	No...	60.00	420.95	505.00	985.95	560.00	340.00	.....	900.00	.....	85.95
2114	2	No...	24.00	173.40	314.35	511.75	600.00	.....	.....	600.00	88.25	.....
2115	5	No...	60.00	214.60	282.50	557.10	525.53	.....	.....	525.53	.....	31.57
2116	2	No...	72.00	213.70	188.55	474.25	400.00	.....	30.00	430.00	.....	44.25
2117	5	No...	18.00	182.00	289.70	490.60	874.45	.....	.....	874.45	383.85	.....
2118	2	No...	36.00	186.65	229.90	452.55	432.50	.....	.....	432.50	.....	20.05
2119	9	No...	36.00	264.85	353.50	654.35	340.00	374.00	.....	714.00	59.65	.....
2120	6	No...	36.00	219.70	393.00	648.70	350.00	140.00	48.00	538.00	.....	110.70
2121	6	No...	36.00	182.75	279.30	498.05	520.00	.....	.....	520.00	21.95	.....
2122	6	No...	36.00	156.70	207.25	399.95	300.00	.....	.....	300.00	.....	99.95
2123	3	No...	36.00	170.85	201.50	408.35	420.00	.....	.....	420.00	11.65	.....
2124	3	No...	36.00	131.35	154.50	321.85	335.20	.....	.....	335.20	13.35	.....
2125	3	No...	36.00	140.26	206.10	382.36	550.00	.....	.....	550.00	167.64	.....
2126	12	No...	36.00	334.55	226.50	597.05	360.00	.....	144.00	504.00	.....	93.05
2127	2	No...	36.00	160.65	350.75	547.40	460.50	.....	.....	460.50	.....	86.90
2128	5	No...	60.00	220.30	320.50	600.80	430.90	244.00	.....	674.90	74.10	.....
2129	5	No...	36.00	200.80	299.00	535.80	580.00	.....	.....	580.00	44.20	.....
2130	3	No...	36.00	158.10	172.00	366.10	360.00	.....	.....	360.00	.....	6.10
2131	4	No...	36.00	137.70	261.50	435.20	420.00	.....	.....	420.00	.....	15.20
2132	6	No...	36.00	154.80	252.00	442.80	450.75	.....	.....	450.75	7.95	.....
2133	7	No...	72.00	219.15	315.00	606.15	540.00	.....	.....	540.00	.....	66.15
2134	2	No...	24.00	170.65	190.70	385.35	360.00	.....	.....	360.00	.....	25.35
2135	2	No...	36.00	173.45	260.50	469.95	460.00	.....	.....	460.00	.....	9.95
2136	6	No...	48.00	186.30	277.70	512.00	300.00	150.00	.....	450.00	.....	62.00
2137	5	No...	36.00	158.05	253.50	447.55	250.00	.....	120.00	370.00	.....	77.55
2138	4	No...	24.00	153.75	237.50	415.25	384.50	120.00	.....	504.50	89.25	.....
2139	2	No...	48.00	148.75	246.50	443.25	250.00	150.00	.....	400.00	.....	43.25
2140	3	No...	48.00	276.80	527.20	852.00	1,154.87	.....	.....	1,154.87	302.87	.....
2141	9	Yes...	.....	346.60	500.20	846.80	788.13	100.00	.....	888.13	41.33	.....
2142	3	No...	30.00	198.40	403.90	632.30	550.00	.....	.....	550.00	.....	82.30
2143	5	No...	54.00	237.66	522.00	813.66	705.68	.....	.....	705.68	.....	107.98
2144	5	No...	108.00	244.68	309.00	661.68	780.00	.....	.....	780.00	118.32	.....
2145	4	No...	36.00	228.00	237.50	501.50	245.00	.....	252.00	497.00	.....	4.50
2146	6	No...	70.00	301.75	255.50	627.25	300.00	375.00	.....	675.00	47.75	.....
2147	7	No...	36.00	339.00	393.00	768.00	739.67	.....	.....	739.67	.....	28.33
2148	8	No...	36.00	297.90	465.20	799.10	500.00	.....	30.00	530.00	.....	269.10
2149	2	No...	36.00	172.55	308.50	517.05	540.00	.....	.....	540.00	22.95	.....
2150	9	Yes...	.....	527.55	932.00	1,459.55	799.74	1,050.00	.....	1,849.74	390.19	.....
2151	5	No...	36.00	247.60	307.50	591.10	643.84	.....	.....	643.84	52.74	.....
2152	8	No...	60.00	427.95	526.00	1,013.95	1,000.00	120.00	.....	1,120.00	106.05	.....
2153	6	Yes...	.....	204.45	203.20	412.65	660.00	.....	.....	660.00	247.35	.....
2154	10	No...	72.00	317.00	472.50	861.50	480.00	390.00	.....	870.00	8.50	.....
2155	8	No...	36.00	210.65	346.50	593.15	450.00	160.00	.....	610.00	16.85	.....
2156	3	No...	50.00	145.30	193.00	388.30	510.00	.....	.....	510.00	121.70	.....
2157	5	No...	48.00	100.72	119.00	267.72	267.72	.....	.....	267.72	.....	.....
2158	8	No...	36.00	173.40	371.88	581.28	545.50	240.00	24.00	809.50	228.22	.....
2159	5	No...	48.00	90.20	174.10	312.30	255.00	.....	.....	255.00	.....	57.30
2160	4	Yes...	.....	159.75	232.60	392.35	345.50	.....	.....	345.50	.....	46.85
2161	6	No...	144.00	227.15	370.70	741.85	205.25	538.00	.....	743.25	1.40	.....
2162	6	Yes...	.....	122.80	226.33	349.13	400.00	.....	.....	400.00	50.87	.....
2163	8	No...	72.00	152.60	324.90	549.50	545.00	.....	.....	545.00	.....	4.50
2164	3	No...	48.00	71.87	182.00	301.87	250.00	.....	25.00	275.00	.....	26.87
2165	3	No...	48.00	83.95	181.50	313.45	328.48	.....	.....	328.48	15.03	.....
2166	2	Yes...	.....	98.42	247.80	346.32	275.00	.....	.....	275.00	.....	71.32
2167	3	No...	50.00	80.65	179.80	310.45	290.00	.....	.....	290.00	.....	20.45
2168	6	No...	48.00	147.40	204.60	400.00	370.00	.....	30.00	400.00	.....	.....
2169	4	No...	60.00	136.50	211.00	407.50	435.00	.....	.....	435.00	27.50	.....
2170	3	No...	48.00	106.00	160.30	314.30	335.45	.....	.....	335.45	21.15	.....



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
2171	4	No...	\$48.00	\$224.95	\$214.33	\$487.28	\$477.13			\$477.13		\$10.15
2172	4	No...	60.00	79.40	161.50	300.90	290.00			290.00		10.90
2173	4	No...	60.00	165.30	161.60	386.90	375.00			375.00		11.90
2174	5	No...	48.00	136.00	262.50	446.50	325.00	\$150.00		475.00	\$28.50	
2175	6	No...	36.00	138.40	232.15	406.55	200.00	125.00	\$35.00	360.00		45.55
2176	8	No...	48.00	177.66	234.80	460.40	398.50	50.00		448.50		11.90
2177	7	Yes...		127.40	187.75	315.15	324.00			324.00	8.85	
2178	4	No...	48.00	130.80	140.75	319.55	300.00			300.00		19.55
2179	4	No...	66.00	103.60	186.70	356.30	355.50			355.50		.80
2180	2	No...	36.00	90.70	195.25	321.95	275.00		25.00	300.00		21.95
2181	3	No...	48.00	84.85	135.00	267.85	293.50			293.50	25.65	
2182	2	No...	48.00	95.40	231.00	374.40	375.00			375.00	.60	
2183	4	No...	48.00	56.50	224.75	329.25	315.00			315.00		14.25
2184	3	No...	48.00	99.50	162.25	309.75	250.00			250.00		59.75
2185	4	No...	48.00	152.00	185.05	391.05	393.25			393.25	2.20	
2186	2	No...	36.00	116.55	140.25	292.80	295.00			295.00	2.20	
2187	5	No...	48.00	131.50	123.50	303.00	300.00			300.00		3.00
2188	5	No...	48.00	157.75	186.30	392.05	350.00		60.00	410.00	17.95	
2189	2	No...	48.00	69.60	172.05	289.65	275.00			275.00		14.65
2190	4	No...	72.00	114.00	236.80	422.80	425.50			425.50	2.70	
2191	4	No...	48.00	134.80	169.55	352.35	384.25			384.25	31.90	
2192	2	Yes...		99.46	224.60	324.06	360.00			360.00	35.94	
2193	7	No...	60.00	478.00	221.05	759.05	285.40	425.00		710.40		48.65
2194	5	No...	60.00	304.84	291.10	655.94	450.00			450.00		205.94
2195	4	No...	54.00	253.76	158.59	466.26	350.00			350.00		116.26
2196	8	No...	60.00	216.29	155.00	431.29	325.25			325.25		106.04
2197	7	Yes...		180.64	117.00	297.64	300.00			300.00	2.36	
2198	5	Yes...		173.74	341.70	515.44	583.75			583.75	68.31	
2199	2	No...	60.00	182.72	155.25	397.97	310.50			310.50		87.47
2200	7	No...	60.00	277.24	175.15	512.39	425.00			425.00		87.39
2201	7	No...	60.00	130.50	123.85	314.35	250.00			250.00		64.35
2202	7	No...	60.00	223.59	149.70	433.29	300.00	100.00		400.00		33.29
2203	6	No...	30.00	200.92	181.65	412.57	415.00			415.00	2.43	
2204	2	No...	18.00	124.64	264.15	406.79	410.00			410.00	3.21	
2205	6	No...	30.00	237.26	303.00	570.26	540.00	110.50		650.50	80.24	
2206	6	No...	36.00	175.04	159.90	370.94	298.75		25.00	323.75		47.19
2207	4	No...	30.00	139.07	177.90	346.97	420.00			420.00	73.03	
2208	3	No...	48.00	144.83	142.00	334.83	400.00			400.00	65.17	
2209	5	No...	36.00	163.02	152.30	351.32	450.00			450.00	98.68	
2210	3	No...	30.00	146.15	121.10	297.25	360.00			360.00	62.75	
2211	4	No...	24.00	148.63	72.50	245.13	187.50			187.50		57.63
2212	2	No...	24.00	125.53	87.90	237.43	280.00			280.00	42.57	
2213	6	No...	24.00	127.76	169.20	320.96	225.80			225.80		95.16
2214	5	No...	60.00	140.48	139.30	339.78	312.50			312.50		27.28
2215	5	No...	Free.	160.30	110.30	270.60	240.00		100.00	340.00	69.40	
2216	9	No...	24.00	223.76	108.70	356.46	325.25			325.25		31.21
2217	8	No...	48.00	257.23	158.90	464.18	328.75	107.50		436.25		27.93
2218	4	No...	30.00	218.00	117.20	365.20	370.18			370.18	4.98	
2219	6	No...	30.00	166.35	136.28	332.63	280.00			280.00		52.63
2220	7	No...	57.00	237.80	200.18	494.98	325.00	200.00		525.00	30.02	
2221	6	No...	57.00	346.74	197.60	601.34	217.60	418.00		635.60	34.26	
2222	3	No...	60.00	196.16	153.68	409.84	396.00			396.00		13.84
2223	4	No...	50.00	143.02	134.72	327.74	325.00			325.00		2.74
2224	6	No...	60.00	206.40	227.80	494.20	425.60	50.00		475.60		18.60
2225	5	No...	36.00	149.68	139.23	324.91	319.45			319.45		5.46
2226	7	Yes...		196.20	275.97	472.17	480.00			480.00	7.83	
2227	9	No...	72.00	238.53	343.20	653.78	486.00	245.00		731.00	77.22	
2228	3	Yes...		170.90	382.10	553.06	550.00			550.00		3.06
2229	9	Yes...		295.92	327.25	623.17	725.00		14.00	739.00	115.83	
2230	2	No...	36.00	113.58	78.00	227.58	120.00			120.00		107.58
2231	2	No...	72.00	129.10	236.70	437.80	250.00		84.00	334.00		103.80
2232	10	Yes...		258.63	414.04	672.07	605.00	120.00		725.00	52.33	
2233	6	Yes...		176.51	310.70	487.21	840.00			840.00	352.79	
2234	9	Yes...		171.51	188.56	360.07	400.00	25.00		425.00	64.93	
2235	4	Yes...		176.03	104.56	280.59	200.00		480.00	680.00	399.41	
2236	5	No...	57.00	292.95	187.70	517.65	375.25	150.00		525.25	7.60	
2237	4	No...	54.00	200.47	80.55	335.02	300.00			300.00		35.02
2238	3	No...	54.00	155.52	76.90	286.42	294.50			294.50	8.08	
2239	7	No...	54.00	229.02	219.50	502.52	348.90	65.00		413.90		88.62
2240	4	No...	54.00	180.72	115.40	350.12	480.00			480.00	129.88	
2241	5	No...	30.00	192.75	176.20	398.95	364.68			364.68		34.27
2242	5	No...	30.00	179.00	141.70	350.70	345.00			345.00		5.70
2243	7	No...	30.00	249.70	214.20	493.90	360.00	180.00		540.00	46.10	
2244	3	Yes...		81.30	286.26	367.56	267.93		204.00	471.93	104.37	



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
2245	7	Yes..	.....	\$240.48	\$391.70	\$632.18	\$240.00	\$464.00	.....	\$704.00	\$71.82	.....
2246	6	No..	\$48.00	122.80	159.25	330.05	240.00	.....	.....	240.00	.....	\$90.05
2247	4	No..	30.00	127.42	116.23	273.67	275.50	.....	.....	275.50	1.83	.....
2248	3	No..	60.00	230.42	204.60	495.02	212.27	150.00	\$75.00	437.27	.....	57.75
2249	7	No..	52.00	226.08	200.12	478.20	350.00	.....	50.00	400.00	.....	78.20
2250	4	Yes..	.....	163.84	237.11	400.95	395.75	40.00	.....	435.75	34.80	.....
2251	10	No..	48.00	348.62	407.80	804.42	694.35	.....	.....	504.00	.....	.....
2252	6	No..	60.00	193.30	83.40	336.70	312.00	20.00	.....	694.35	.....	110.07
2253	5	No..	48.00	222.89	154.80	425.69	369.00	.....	.....	332.00	.....	.....
2254	7	Yes..	.....	202.00	83.03	285.03	354.00	159.00	.....	369.00	.....	56.69
2255	8	No..	24.00	279.36	199.40	502.76	360.00	275.00	30.00	504.00	218.97	.....
2256	4	No..	60.00	258.67	210.00	528.67	560.00	.....	.....	665.00	162.24	.....
2257	5	No..	36.00	124.88	112.30	273.18	150.00	.....	.....	560.00	31.33	.....
2258	8	Yes..	.....	237.05	121.82	358.87	400.00	.....	.....	150.00	.....	123.18
2259	5	Yes..	.....	159.88	159.35	319.23	375.00	.....	.....	400.00	41.63	.....
2260	4	Yes..	.....	172.40	93.03	265.48	420.00	.....	.....	375.00	55.77	.....
2261	5	No..	51.00	182.10	143.60	376.70	384.72	.....	.....	420.00	154.52	.....
2262	2	No..	60.00	96.12	82.60	238.72	300.00	.....	.....	384.72	8.02	.....
2263	6	No..	60.00	138.86	104.95	303.81	295.00	.....	.....	300.00	61.28	.....
2264	7	No..	57.00	350.18	173.28	580.46	400.00	168.00	.....	295.00	.....	8.81
2265	6	No..	57.00	265.45	141.25	463.70	315.70	150.00	.....	568.00	.....	12.46
2266	5	No..	33.00	283.60	202.00	518.60	212.50	300.00	.....	465.70	2.00	.....
2267	3	No..	60.00	192.06	219.50	471.56	565.00	.....	.....	512.50	.....	6.10
2268	8	Yes..	.....	419.60	551.22	970.82	319.91	650.00	.....	665.00	93.44	.....
2269	2	Yes..	.....	104.84	111.69	216.53	200.00	.....	15.00	960.91	.....	.91
2270	6	No..	48.00	245.68	177.80	471.48	240.00	230.00	.....	215.00	.....	1.53
2271	4	Yes..	.....	151.22	172.48	323.70	326.40	.....	.....	470.00	.....	1.48
2272	11	Yes..	.....	405.24	355.80	761.04	675.00	.....	532.00	326.40	2.70	.....
2273	11	No..	96.00	348.30	504.20	948.50	600.00	235.20	.....	1,207.00	445.96	.....
2274	8	Yes..	.....	271.85	416.15	688.00	840.00	.....	.....	835.20	.....	113.30
2275	5	No..	72.00	284.28	274.30	630.58	342.00	350.00	.....	840.00	152.00	.....
2276	3	Yes..	.....	174.11	194.94	369.05	400.00	.....	.....	692.00	61.42	.....
2277	13	Yes..	.....	608.10	529.40	1,137.50	142.00	962.00	384.00	400.00	30.95	.....
2278	4	No..	54.00	184.69	146.80	385.40	375.00	.....	.....	1,488.00	350.50	.....
2279	6	Yes..	.....	240.21	354.20	594.41	960.00	.....	.....	375.00	.....	10.49
2280	7	No..	38.00	203.54	257.20	498.74	300.00	120.00	.....	960.00	365.59	.....
2281	3	No..	36.00	158.25	127.20	321.45	400.00	.....	.....	420.00	.....	78.74
2282	8	Yes..	.....	208.56	92.54	301.10	312.00	.....	.....	400.00	78.55	.....
2283	4	Yes..	.....	155.83	59.15	215.00	300.00	.....	.....	312.00	10.90	.....
2284	4	No..	60.00	167.56	197.80	425.36	400.00	.....	.....	300.00	85.00	.....
2285	5	No..	60.00	184.18	161.90	406.08	387.50	.....	.....	400.00	.....	25.36
2286	6	No..	60.00	175.10	133.80	368.90	348.75	.....	.....	387.50	.....	18.58
2287	4	No..	60.00	231.60	120.10	411.70	310.50	.....	.....	348.75	.....	20.15
2288	5	No..	54.00	465.28	131.10	650.38	310.50	295.40	.....	310.50	101.20	.....
2289	8	No..	60.00	299.92	161.15	521.07	243.75	237.84	.....	605.90	44.48	.....
2290	10	No..	60.00	356.90	165.25	582.15	350.00	50.00	.....	481.59	39.48	.....
2291	3	No..	57.00	199.05	147.05	403.10	387.98	.....	.....	400.00	182.15	.....
2292	3	No..	30.00	98.22	123.30	251.52	236.50	.....	.....	387.98	15.12	.....
2293	2	No..	30.00	88.10	91.30	209.40	230.50	.....	.....	236.50	15.02	.....
2294	5	No..	66.00	340.21	284.10	690.31	209.09	400.00	96.00	230.50	21.10	.....
2295	2	No..	48.00	119.66	80.70	248.36	216.00	.....	.....	705.09	14.78	.....
2296	8	Yes..	.....	281.40	390.00	671.40	435.00	300.00	.....	216.00	.....	32.36
2297	6	Yes..	.....	211.25	277.00	488.25	475.00	.....	.....	735.00	63.60	.....
2298	8	Yes..	.....	234.50	443.48	677.98	396.00	328.73	156.00	631.00	142.75	.....
2299	2	Yes..	.....	192.00	125.12	317.12	420.00	.....	.....	724.73	46.75	.....
2300	6	Yes..	.....	166.05	132.12	298.17	225.00	.....	.....	420.00	102.88	.....
2301	8	No..	84.00	208.39	156.78	449.17	305.44	152.71	.....	225.00	.....	73.17
2302	6	No..	54.00	329.00	126.84	509.84	401.49	.....	.....	458.15	8.98	.....
2303	5	No..	45.50	273.00	172.78	491.28	317.27	256.00	.....	401.49	.....	108.35
2304	2	No..	65.00	144.10	229.60	438.70	492.21	.....	.....	573.27	81.99	.....
2305	5	No..	73.00	246.95	281.60	601.55	385.00	.....	80.00	492.21	53.51	.....
2306	9	Yes..	.....	292.70	232.45	525.15	309.20	143.23	37.72	465.00	.....	136.55
2307	2	Yes..	.....	121.70	76.16	197.86	247.26	.....	.....	490.15	.....	35.00
2308	9	No..	52.00	325.52	224.35	601.87	426.87	.....	.....	247.26	49.40	.....
2309	3	Yes..	.....	181.58	167.46	349.04	289.04	.....	.....	426.87	.....	175.00
2310	6	No..	39.00	251.54	84.61	375.15	350.88	.....	00.00	349.04	.....	.....
2311	4	No..	48.00	201.19	171.86	421.05	285.75	.....	.....	350.88	.....	24.27
2312	4	Yes..	.....	256.10	172.23	428.33	227.13	.....	.....	285.75	.....	135.30
2313	2	No..	39.00	154.25	269.00	462.25	375.00	.....	352.00	579.13	150.80	.....
2314	7	No..	65.00	283.40	109.93	458.33	423.60	.....	.....	375.00	.....	87.25
2315	5	No..	Free.	342.10	116.88	458.98	558.98	.....	.....	423.60	.....	34.73
2316	4	No..	72.00	218.00	333.00	623.00	572.00	.....	.....	558.98	100.00	.....
2317	3	Yes..	.....	223.87	129.88	353.75	453.75	.....	.....	572.00	.....	51.00
2318	4	No..	78.00	224.65	197.78	500.43	426.97	.....	.....	453.75	100.00	.....
										426.97	.....	73.46

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get- num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
2319	10	No...	\$39.00	\$475.41	\$306.96	\$821.37	\$509.37	\$175.00		\$684.37		\$137.00
2320	5	No...	65.00	294.65	167.02	526.67	472.25		\$54.45	526.70	\$0.03	
2321	6	No...	52.00	242.96	127.69	422.65	370.65			370.65		52.00
2322	2	No...	65.00	144.30	210.95	420.25	485.25			485.25	65.00	
2323	5	No...	52.00	191.30	140.39	383.69	286.95			286.95		96.74
2324	4	No...	52.00	224.19	164.70	440.89	401.29			401.29		39.60
2325	2	No...	78.00	157.97	230.36	466.33	511.01			511.01	44.68	
2326	5	No...	78.00	248.28	202.00	528.28	550.00			550.00	21.72	
2327	7	No...	78.00	183.40	132.60	394.00	400.00			400.00	6.00	
2328	4	No...	78.00	255.97	219.78	553.73	706.00			706.00	152.27	
2329	2	No...	36.00	136.29	344.43	516.72	500.00			500.00		16.72
2330	5	No...	96.00	436.65	468.35	1,001.00	720.00	440.00		1,160.00	159.60	
2331	2	No...	55.00	212.45	334.78	602.23	285.00			385.00		217.23
2332	4	No...	78.00	180.88	201.20	460.08	460.00			460.00		.08
2333	3	No...	78.00	177.40	102.50	357.90	360.00			360.00	2.10	
2334	6	No...	78.00	246.12	351.80	675.92	356.31		219.00	575.31		100.61
2335	4	No...	78.00	150.45	240.28	468.73	420.00			420.00		48.73
2336	6	No...	75.00	168.80	77.28	321.08	280.00			280.00		41.08
2337	4	Yes...		108.75	236.83	345.58	485.00			485.00	139.42	
2338	4	No...	48.00	204.77	157.61	410.38	510.50			510.50	100.12	
2339	7	No...	120.00	210.33	203.67	534.00	390.00	250.00		640.00	106.00	
2340	4	No...	78.00	182.44	188.92	449.36	450.00			450.00	.64	
2341	4	No...	78.00	261.84	291.15	630.99	500.00		72.00	572.00		58.99
2342	6	No...	72.00	221.20	202.23	495.43	650.00			650.00	154.57	
2343	7	No...	60.00	254.10	292.32	606.42	400.00		204.00	604.00		2.42
2344	3	No...	72.00	195.09	154.70	421.79	480.00			480.00	58.21	
2345	6	Yes...		251.16	227.88	482.04	530.00			530.00	47.96	
2346	9	No...	38.00	228.75	170.75	437.50	437.50			437.50		
2347	6	Yes...		220.70	103.06	323.76	403.76			403.76	80.00	
2348	3	No...	30.00	216.65	125.73	378.38	385.00			385.00	6.62	
2349	2	No...	100.00	185.76	488.14	773.90	720.00			720.00		53.90
2350	8	Yes...		265.39	260.75	526.14	360.00	190.00		550.00	23.86	
2351	6	No...	48.00	258.90	178.54	485.44	384.00			384.00		101.44
2352	6	No...	84.00	404.00	432.18	920.18	400.00	520.00		920.00		.18
2353	8	No...	78.00	367.00	482.17	927.17	274.27	653.00		927.27	.10	
2354	3	No...	60.00	233.00	195.51	488.51	450.00			450.00		38.51
2355	8	No...	36.00	301.36	145.19	482.55	373.80	254.30		628.10	145.55	
2356	3	No...	150.00	170.30	193.97	514.27	500.00			500.00		14.27
2357	2	No...	48.00	185.25	144.11	377.36	380.00			380.00	2.64	
2358	5	Yes...		200.10	112.61	312.71	200.00	120.00		320.00	7.29	
2359	11	Yes...		320.43	284.12	604.55	444.27		175.00	619.27	14.72	
2360	5	No...	84.00	258.65	202.33	544.98	600.50			600.50	55.52	
2361	6	No...	48.00	246.49	126.17	420.66	300.00		60.00	360.00		60.66
2362	8	No...	78.00	458.00	363.56	904.56	120.00	980.00		1,100.00	195.44	
2363	4	Yes...		131.70	94.71	226.41	200.00			200.00		26.41
2364	5	Yes...		158.10	82.70	240.80	180.00		60.00	240.00		.80
2365	2	No...	72.00	167.65	220.23	459.88	447.95		18.00	465.95	6.07	
2366	3	No...	48.00	145.81	118.40	312.21	379.88			379.88	67.67	
2367	5	No...	72.00	154.07	117.59	343.66	343.66			343.66		
2368	4	Yes...		185.70	127.19	312.89	428.26			428.26	115.37	
2369	6	No...	54.00	235.71	199.32	489.03	628.51			628.51	139.48	
2370	5	No...	39.00	144.65	60.18	243.83	156.60		90.00	246.60	2.77	
2371	5	Yes...		171.11	117.25	288.36	363.36		15.00	378.36	90.00	
2372	4	Yes...		166.40	127.80	294.20	386.00			386.00	91.80	
2373	4	Yes...		228.76	214.10	442.86	443.19		24.00	467.19	24.33	
2374	8	No...	60.00	268.28	215.16	543.44	420.00	210.00	21.80	651.80	108.36	
2375	10	Yes...		402.20	275.91	678.11	334.00	576.00		900.00	281.89	
2376	3	No...	72.00	217.55	155.18	444.73	323.00			323.00		121.73
2377	3	Yes...		248.20	180.39	428.59	506.00			506.00	77.41	
2378	6	Yes...		171.00	168.10	339.10	310.00			310.00		29.10
2379	5	Yes...		439.37	305.58	744.95	372.00	101.00	372.00	845.00	100.05	
2380	3	Yes...		235.00	168.49	403.49	360.00	120.00		480.00	76.51	
2381	3	No...	48.00	170.71	183.09	401.80	401.80			401.80		
2382	2	No...	60.00	158.50	96.84	315.34	388.14			388.14	72.80	
2383	3	No...	84.00	251.05	260.47	601.52	576.52			576.52		25.00
2384	5	No...	84.00	160.70	203.73	448.43	448.43			448.43		
2385	6	No...	84.00	282.10	264.81	630.91	630.91			630.91		
2386	4	No...	84.00	187.99	190.49	462.48	462.48			462.48		
2387	7	No...	84.00	285.54	242.54	612.08	628.08			628.08	16.00	
2388	5	No...	84.00	244.08	208.40	536.48	536.98			536.98	.50	
2389	10	Yes...		583.00	381.92	964.92	250.00	666.92	193.00	1,114.92	150.00	
2390	7	No...	60.00	335.88	321.23	717.11	384.00	384.00	5.00	773.00	55.80	
2391	3	Yes...		170.26	207.02	377.22	430.00			430.00	52.78	
2392	6	No...	60.00	172.40	168.30	400.70	206.40			206.40		104.30



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
2393	5	Yes	-----	\$354.10	\$216.00	\$564.10	\$320.00	\$180.00	-----	\$800.00	\$235.90	-----
2394	5	No	\$48.00	303.10	286.05	637.15	390.00	-----	-----	390.00	-----	\$247.15
2395	3	Yes	-----	207.35	131.61	338.96	450.00	-----	-----	450.00	111.04	-----
2396	4	No	60.00	267.00	214.30	541.30	487.00	-----	-----	487.00	-----	54.30
2397	3	No	60.00	190.50	156.91	407.41	344.00	-----	-----	344.00	-----	63.41
2398	3	No	48.00	186.30	199.01	433.31	295.00	-----	-----	295.00	-----	138.31
2399	5	No	84.00	226.00	233.12	543.12	250.00	250.00	-----	500.00	-----	43.12
2400	5	No	60.00	215.97	187.05	463.02	361.80	-----	-----	555.80	92.78	-----
2401	3	No	54.50	185.05	114.57	354.12	355.00	-----	-----	355.00	.88	-----
2402	6	No	78.00	495.22	353.38	926.60	450.00	450.00	\$40.00	940.00	13.40	-----
2403	6	No	96.00	295.78	268.42	660.20	648.00	-----	21.00	669.00	8.80	-----
2404	7	No	78.00	292.32	291.05	661.37	460.00	236.00	66.00	762.00	100.63	-----
2405	9	No	78.00	521.61	452.20	1,051.81	420.00	840.00	-----	1,260.00	208.19	-----
2406	3	No	78.00	235.14	154.12	467.26	440.00	30.00	-----	470.00	2.74	-----
2407	6	No	78.00	168.00	287.19	533.19	400.00	-----	-----	400.00	-----	133.19
2408	8	Yes	-----	201.40	185.18	386.58	400.00	-----	-----	400.00	13.42	-----
2409	9	Yes	-----	398.70	691.53	1,090.23	450.00	675.00	-----	1,125.00	34.77	-----
2410	4	No	46.00	178.27	137.20	361.47	360.00	-----	-----	360.00	-----	1.47
2411	4	No	78.00	117.84	155.40	351.24	335.00	-----	-----	335.00	-----	16.24
2412	3	No	78.00	172.40	154.83	405.23	405.00	-----	-----	405.00	-----	.23
2413	11	No	78.00	432.17	454.80	964.97	405.00	520.00	128.00	1,053.00	88.03	-----
2414	6	Yes	-----	150.50	204.67	355.17	400.00	-----	3.25	403.25	48.08	-----
2415	7	No	78.00	413.00	272.55	763.55	325.00	-----	447.25	772.25	8.70	-----
2416	4	No	78.00	146.72	183.00	407.72	600.00	-----	-----	600.00	192.28	-----
2417	7	No	78.00	518.50	362.80	959.30	333.00	666.00	-----	999.00	39.70	-----
2418	4	No	96.00	211.14	206.35	513.49	562.94	-----	-----	562.94	49.45	-----
2419	2	No	78.00	164.23	274.60	516.88	476.00	-----	-----	476.00	-----	40.88
2420	9	No	96.00	583.30	564.80	1,244.10	496.00	766.00	256.00	1,518.00	273.90	-----
2421	8	No	78.00	345.21	512.82	936.03	930.00	-----	196.00	1,126.00	189.97	-----
2422	3	No	78.00	120.60	126.92	325.52	300.00	-----	-----	300.00	-----	25.52
2423	5	No	45.50	160.70	95.41	301.61	246.87	-----	-----	246.87	-----	54.74
2424	3	No	39.00	145.55	100.61	285.16	260.16	-----	-----	260.16	-----	25.00
2425	2	No	52.00	123.30	109.72	285.02	276.02	-----	-----	276.02	-----	9.00
2426	0	No	52.00	525.18	183.35	760.53	213.18	-----	547.35	760.53	-----	60.20
2427	5	No	52.00	191.56	174.24	417.80	357.60	-----	-----	357.60	-----	110.60
2428	2	No	52.00	257.60	133.88	443.48	332.88	-----	-----	332.88	-----	3.09
2429	4	Yes	-----	268.60	343.25	611.85	461.00	225.00	-----	686.00	74.15	-----
2430	5	Yes	-----	201.60	287.90	489.50	486.41	-----	-----	486.41	-----	.36
2431	2	No	48.00	211.05	201.31	460.36	460.00	-----	-----	460.00	-----	-----
2432	5	Yes	-----	351.25	143.06	494.31	245.00	250.00	-----	495.00	.69	-----
2433	5	Yes	-----	202.40	127.31	329.71	250.00	-----	80.00	330.00	.29	-----
2434	9	Yes	-----	304.32	244.30	548.62	559.50	39.12	-----	598.62	50.00	-----
2435	3	No	52.00	163.02	86.19	301.21	251.21	-----	-----	251.21	-----	50.00
2436	10	No	39.00	316.50	175.95	531.45	276.42	75.00	180.00	531.42	-----	.03
2437	4	No	39.00	270.90	113.75	423.65	443.65	-----	-----	443.65	20.00	-----
2438	3	No	78.00	200.80	138.65	417.45	460.00	-----	-----	460.00	42.55	-----
2439	4	Yes	-----	213.00	318.63	531.63	480.00	-----	50.00	530.00	-----	1.63
2440	5	No	60.00	359.44	521.38	940.82	325.00	871.00	38.00	1,234.00	293.18	-----
2441	2	Yes	-----	174.86	231.14	406.00	363.42	-----	216.00	579.42	173.42	-----
2442	8	No	48.00	271.29	126.45	445.74	425.58	-----	-----	425.58	-----	20.16
2443	3	Yes	-----	159.92	154.44	314.36	414.36	-----	-----	414.36	100.00	-----
2444	8	No	84.00	387.68	203.48	675.16	504.82	-----	364.00	868.32	193.16	-----
2445	4	No	60.00	206.65	117.60	384.25	449.71	-----	-----	449.71	65.46	-----
2446	3	No	60.00	210.10	119.85	389.95	389.95	-----	-----	389.95	-----	-----
2447	7	No	Free	248.10	236.41	484.51	600.00	-----	-----	600.00	115.49	-----
2448	3	Yes	-----	236.34	281.23	517.57	440.00	-----	-----	440.00	-----	77.57
2449	4	Yes	-----	284.48	195.61	480.09	718.17	437.65	-----	718.17	238.08	-----
2450	7	Yes	-----	313.02	313.12	626.14	709.21	-----	-----	1,146.87	520.73	-----
2451	5	No	48.00	211.72	127.54	387.26	387.26	-----	-----	387.26	-----	-----
2452	7	No	Free	265.80	199.65	465.45	360.00	-----	-----	360.00	-----	105.45
2453	2	No	48.00	160.12	210.95	419.07	450.00	-----	-----	450.00	30.93	-----
2454	8	No	78.00	304.48	214.70	597.18	364.18	-----	-----	364.18	-----	233.00
2455	4	No	52.00	187.50	93.97	333.47	308.47	-----	-----	308.47	-----	25.00
2456	3	No	60.00	208.95	94.66	363.61	355.61	-----	-----	355.61	-----	8.00
2457	8	No	110.00	230.90	160.53	501.43	463.14	-----	125.00	588.14	86.71	-----
2458	5	No	48.00	216.34	202.76	467.10	561.00	-----	-----	561.00	93.90	-----
2459	9	No	60.00	336.67	225.18	621.85	621.85	-----	-----	621.85	-----	-----
2460	5	Yes	-----	225.60	175.70	401.30	326.30	-----	100.00	426.30	25.00	-----
2461	2	Yes	-----	146.82	74.42	221.24	240.00	-----	-----	240.00	18.76	-----
2462	7	Yes	-----	125.80	180.79	306.59	306.59	-----	-----	306.59	-----	-----
2463	7	Yes	-----	384.90	324.35	709.25	240.00	569.25	-----	509.25	100.00	-----
2464	4	No	60.00	166.65	229.07	455.72	395.72	-----	-----	395.72	-----	60.00
2465	2	Yes	-----	141.21	223.79	365.00	365.00	-----	-----	365.00	-----	-----
2466	9	Yes	-----	449.00	467.24	916.84	375.00	520.00	-----	895.00	-----	21.84



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
2467	7	No...	\$72.00	\$165.95	\$177.21	\$415.16	\$415.00			\$415.00		\$0.16
2468	4	No...	84.00	210.72	83.49	378.21	290.00			290.00		88.21
2469	2	No...	72.00	135.50	123.84	331.34	300.00			300.00		31.34
2470	5	Yes...		314.20	541.22	855.42	390.00	\$755.00	\$492.00	1,637.00	\$781.58	
2471	5	No...	60.00	218.89	165.24	444.13	497.00			497.00	52.87	
2472	7	Yes...		177.78	195.02	372.80	382.00			382.00	9.20	
2473	4	No...	72.00	164.10	147.30	383.40	390.00			390.00	6.60	
2474	10	Yes...		332.95	516.00	848.95	435.00	284.00	144.00	863.00	14.05	
2475	6	Yes...		253.13	176.80	429.93	430.76			430.76	.83	
2476	6	No...	60.00	161.33	171.75	393.08	361.08			361.08		32.00
2477	3	No...	60.00	172.09	118.20	350.29	350.29			350.29		
2478	10	Yes...		350.57	426.10	776.67	406.50	564.52		971.02	194.35	
2479	8	Yes...		259.43	333.59	593.02	593.02			593.02		
2480	4	Yes...		202.25	110.47	312.72	412.72			412.72	100.00	
2481	3	Yes...		289.64	258.13	547.77	557.85	50.00		607.85	60.08	
2482	6	No...	72.00	219.34	175.50	466.84	466.84			466.84		99.65
2483	2	No...	72.00	174.62	194.21	440.83	341.18			341.18		
2484	9	Yes...		196.87	279.96	476.83	765.83			765.83	289.00	
2485	3	Yes...		226.58	167.35	393.93	437.93			437.93	44.00	
2486	4	No...	60.00	259.20	418.72	737.92	452.17		216.00	668.17		69.75
2487	2	Yes...		211.66	192.25	403.91	380.08		50.00	430.08	26.17	
2488	9	Yes...		253.72	302.63	556.35	791.84			791.84	235.49	
2489	5	Yes...		173.17	153.57	326.74	371.09			371.09	44.35	
2490	5	Yes...		165.85	351.49	517.34	517.17			517.17		.17
2491	6	Yes...		145.38	234.55	379.93	464.93			464.93	85.00	
2492	7	Yes...		457.06	377.27	834.33	662.43		404.40	1,066.83	232.50	
2493	11	Yes...		403.27	400.21	803.48	1,018.48			1,018.48	215.00	
2494	7	Yes...		347.11	373.22	720.33	808.28		65.00	873.28	147.95	
2495	4	Yes...		182.78	146.15	328.93	286.33		42.60	328.93		
2496	5	No...	84.00	200.99	227.44	512.43	512.53			512.53	.10	
2497	5	Yes...		251.18	196.60	447.78	531.23			531.23	83.45	
2498	9	Yes...		276.76	259.62	536.38	250.00	290.00		540.00	3.62	
2499	9	No...	99.00	614.47	753.10	1,466.57	1,782.98			1,782.98	316.41	
2500	6	No...	60.00	212.81	153.94	426.75	426.77			426.77	.02	
2501	3	No...	60.00	192.65	211.46	464.11	495.00		15.00	510.00	45.89	
2502	4	Yes...		214.29	169.93	384.22	200.00		180.00	380.00		4.22
2503	5	No...	60.00	480.90	201.70	742.60	448.00		192.00	640.00		102.60
2504	2	Yes...		87.40	57.13	144.53	145.00			145.00	.47	
2505	10	No...	60.00	462.00	311.14	833.14	450.00	405.00		855.00	21.86	
2506	8	Yes...		281.40	211.02	492.42	454.00			454.00		88.42
2507	8	No...	96.00	292.20	281.27	669.47	460.00	160.00		620.00		49.47
2508	2	No...	78.00	178.32	231.12	487.44	485.00			485.00		2.44
2509	3	No...	66.00	226.90	309.60	602.50	475.00	85.00	40.00	600.00		2.50
2510	9	No...	78.00	589.95	630.10	1,298.05	946.00	441.20		1,087.20		210.85
2511	8	No...	96.00	446.25	257.58	799.83	410.00	615.00		1,025.00	225.17	
2512	7	Yes...		214.95	205.05	420.00	160.00	260.00		420.00		
2513	2	Yes...		185.00	87.35	272.35	385.00			385.00	112.65	
2514	5	Yes...		221.00	180.75	401.75	380.00		48.00	428.00	26.25	
2515	5	No...	84.00	181.00	167.42	432.42	384.00			384.00		48.42
2516	2	No...	42.00	230.36	204.81	477.17	530.27			530.27	53.10	
2517	3	Yes...		193.09	299.02	492.11	465.00			465.00		27.11
2518	7	No...	78.00	255.00	258.71	591.71	500.00	241.71		741.71	150.00	
2519	5	No...	36.00	299.75	180.25	516.00	516.00			516.00		
2520	6	No...	75.00	328.30	199.36	602.66	400.00	225.00		625.00	22.34	
2521	2	No...	48.00	224.50	195.21	467.71	467.71			467.71		
2522	8	No...	84.00	466.95	470.89	1,021.84	520.00	530.00		1,050.00	28.16	
2523	8	No...	84.00	345.00	322.81	751.81	720.00			720.00		31.81
2524	9	Yes...		628.82	1,001.27	1,630.09	660.92	1,397.85		2,058.77	428.68	
2525	11	No...	84.00	425.26	275.94	785.20	708.81			708.81		76.39
2526	5	No...	84.00	227.85	195.58	507.43	507.43			507.43		
2527	2	No...	48.00	171.24	300.76	520.00	520.00			520.00		
2528	6	Yes...		323.70	252.78	576.48	375.00	305.00		680.00	103.52	
2529	9	Yes...		470.52	410.01	880.53	300.00	475.00	109.50	884.50	3.97	
2530	6	Yes...		334.37	174.90	509.27	393.27		216.00	609.27	100.00	
2531	3	No...	60.00	193.40	215.81	469.21	470.00			470.00	.79	
2532	3	Yes...		176.25	175.41	351.66	455.00			455.00	103.34	
2533	3	No...	96.00	139.52	94.20	329.72	285.00		45.00	330.00	.28	
2534	6	No...	96.00	205.40	216.30	517.70	469.00		59.00	528.00	10.30	
2535	3	No...	78.00	207.12	296.70	581.82	490.00			490.00		91.82
2536	11	No...	96.00	693.50	521.10	1,310.60	530.00	795.00		1,325.00	14.40	
2537	13	No...	78.00	723.60	702.06	1,503.66	350.00	1,050.00		1,400.00		103.66
2538	4	No...	78.00	262.35	164.75	505.10	480.00			480.00		25.10
2539	7	No...	96.00	199.40	149.38	444.78	440.00			440.00		4.78
2540	6	No...	78.00	264.25	218.97	561.22	510.00			510.00		51.22

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Budget number.	Number in family.	Own house.	Expenditure for—				Income from—				Surplus.	Deficit.
			Rent.	Food.	All other purposes.	Total.	Husband.	Wife and children.	All other sources.	Total.		
2541	9	No...	\$78.00	\$447.00	\$266.87	\$791.87	\$400.00	\$100.00	\$204.00	\$794.00	\$2.13	.....
2542	6	No...	78.00	300.40	280.31	658.71	270.00	400.00	.....	670.00	11.29	.....
2543	9	No...	78.00	374.48	329.76	782.24	300.00	500.00	18.25	818.25	36.01	.....
2544	5	Yes...	.....	178.40	190.80	375.20	375.00	.....	.....	375.00	.....	\$0.20
2545	4	No...	48.00	161.40	122.71	332.11	360.00	.....	.....	360.00	27.89	.....
2546	4	Yes...	.....	180.85	165.26	346.11	410.00	.....	.....	410.00	63.89	.....
2547	4	Yes...	.....	238.40	190.14	478.54	571.00	.....	.....	571.00	92.46	.....
2548	4	Yes...	.....	226.68	230.89	507.57	443.00	65.00	.....	508.00	.43	.....
2549	9	No...	84.00	442.91	337.60	864.51	380.00	238.00	.....	668.00	.....	196.51
2550	4	No...	84.00	140.45	128.83	353.28	353.28	.....	.....	353.28	.....	.....
2551	3	No...	84.00	221.15	164.61	469.76	445.76	.....	.....	445.76	.....	24.00
2552	7	No...	60.00	484.86	220.56	765.42	300.00	.....	400.00	700.00	.....	65.42
2553	11	No...	72.00	468.60	381.90	923.50	290.00	580.00	20.00	890.00	.....	32.50
2554	6	No...	84.00	385.92	305.08	775.00	450.00	325.00	.....	775.00	.....	.....
2555	5	No...	66.00	210.94	338.06	615.00	225.00	390.00	.....	615.00	.....	.....
2556	5	No...	78.00	286.20	260.14	624.34	325.00	300.00	.....	625.00	.66	.....
2557	2	No...	78.00	124.62	305.33	507.95	158.00	.....	350.00	508.00	.05	.....
2558	4	No...	78.00	338.40	264.56	680.96	750.00	.....	.....	750.00	69.04	.....
2559	10	No...	96.00	347.60	276.23	719.83	440.00	280.00	.....	720.00	.17	.....
2560	7	No...	96.00	505.09	535.73	1,136.82	360.00	1,080.00	.....	1,440.00	303.18	.....
2561	6	No...	40.00	184.68	188.12	412.80	315.00	100.00	.....	415.00	2.20	.....
2562	8	No...	96.00	419.70	299.70	815.40	380.00	414.00	.....	824.00	8.60	.....
2563	7	Yes...	.....	433.80	425.06	858.86	546.00	.....	768.00	1,314.00	455.14	.....
2564	8	Yes...	.....	448.20	713.73	1,161.93	425.00	555.00	266.00	1,246.00	84.07	.....
2565	11	Yes...	.....	482.10	935.29	1,417.39	360.00	704.00	72.00	1,136.00	.....	281.39
2566	7	No...	78.00	199.23	264.58	541.81	420.00	.....	20.00	440.00	.....	101.81
2567	3	No...	48.00	219.60	190.66	458.26	448.00	.....	.....	448.00	.....	10.26
2568	3	No...	78.00	205.72	198.23	481.95	365.00	132.00	.....	497.00	15.05	.....
2569	8	No...	96.00	252.85	184.93	533.78	480.00	53.00	.....	533.00	.....	.78
2570	3	No...	96.00	170.80	192.87	459.67	450.00	.....	10.00	460.00	.33	.....
2571	3	No...	78.00	191.72	249.26	518.98	218.00	400.00	.....	618.00	99.02	.....
2572	5	Yes...	.....	187.45	240.90	428.35	440.00	.....	.....	440.00	11.65	.....
2573	3	No...	78.00	158.40	201.04	437.44	438.00	.....	.....	438.00	.56	.....
2574	3	No...	47.00	245.05	162.15	454.20	468.00	.....	.....	468.00	13.80	.....
2575	6	No...	60.00	181.96	230.60	472.56	480.00	.....	24.00	501.00	31.44	.....
2576	7	No...	78.00	294.04	215.95	587.99	480.00	.....	72.00	552.00	.....	35.99
2577	7	No...	78.00	203.20	124.48	405.68	325.00	.....	.....	325.00	.....	80.68
2578	6	No...	96.00	307.57	282.27	685.84	320.00	150.00	192.00	662.00	.....	23.84
2579	7	No...	84.00	204.25	155.50	443.75	350.00	.....	.....	350.00	.....	93.75
2580	6	No...	96.00	442.65	375.50	914.15	490.00	610.00	.....	1,100.00	185.85	.....
2581	5	No...	96.00	209.64	204.77	510.41	330.00	330.00	.....	660.00	149.59	.....
2582	3	No...	78.00	195.34	268.78	542.12	522.12	20.00	.....	542.12	.....	.....
2583	10	Yes...	.....	340.35	390.75	731.10	350.00	205.00	.....	555.00	.....	176.10
2584	9	No...	78.00	358.77	461.78	898.55	609.00	217.00	.....	826.00	.....	72.55
2585	3	No...	78.00	211.00	401.15	690.15	445.62	445.62	.....	891.24	201.09	.....
2586	4	Yes...	.....	218.97	280.30	499.27	399.64	399.63	.....	799.27	300.00	.....
2587	3	No...	66.00	168.40	243.48	477.88	500.00	.....	.....	500.00	22.12	.....
2588	6	Yes...	.....	235.09	340.27	575.36	527.00	.....	.....	527.00	.....	48.36
2589	9	No...	96.00	392.68	268.32	757.00	375.00	375.00	.....	750.00	.....	7.00
2590	8	No...	78.00	322.55	217.15	617.70	540.00	.....	96.00	636.00	18.30	.....
2591	9	No...	78.00	331.50	261.90	671.40	380.00	.....	120.00	500.00	.....	171.40
2592	5	No...	52.00	227.60	170.23	449.83	367.23	.....	.....	367.23	.....	82.60
2593	6	No...	48.00	202.62	150.98	401.60	402.50	.....	.....	402.50	.90	.....
2594	6	No...	65.00	459.34	262.41	787.25	188.19	192.00	527.00	907.19	119.94	.....
2595	7	Yes...	.....	370.04	269.82	639.86	704.69	.....	56.00	760.69	120.83	.....
2596	6	Yes...	.....	193.62	262.20	455.82	542.50	.....	.....	542.50	86.68	.....
2597	4	No...	125.00	233.20	294.70	652.90	500.00	.....	150.00	650.00	.....	2.90
2598	8	No...	96.00	265.29	437.90	799.19	317.89	115.00	312.00	744.89	.....	54.30
2599	6	No...	86.80	204.33	302.53	593.66	211.60	330.00	24.00	565.60	.....	28.06
2600	5	No...	64.00	227.30	204.40	495.70	544.23	.....	.....	544.23	48.53	.....
2601	8	No...	66.00	278.48	282.48	626.96	319.65	96.00	100.00	515.65	.....	111.31
2602	5	No...	60.00	187.64	239.21	536.85	305.86	104.00	270.00	679.86	143.01	.....
2603	6	No...	180.00	404.79	319.90	904.69	435.14	.....	356.86	792.00	.....	112.69
2604	6	No...	36.00	214.10	315.30	565.40	600.00	.....	.....	600.00	34.60	.....
2605	5	Yes...	.....	165.18	133.46	298.64	302.09	308.47	.....	610.56	311.92	.....
2606	5	No...	20.84	205.24	125.52	351.60	185.90	220.76	.....	406.66	55.06	.....
2607	5	No...	13.90	239.69	147.05	400.64	401.44	.....	.....	401.44	.80	.....
2608	6	Free...	.....	231.88	174.73	406.61	463.20	95.34	.....	558.54	151.93	.....
2609	2	No...	13.90	137.36	116.44	267.70	290.47	.....	.....	290.47	22.77	.....
2610	6	No...	27.79	200.93	136.50	365.22	151.51	185.28	.....	336.79	.....	28.43
2611	6	No...	23.16	210.00	128.77	361.93	370.56	.....	.....	370.56	8.63	.....
2612	8	No...	17.37	194.01	99.76	311.14	290.47	.....	.....	290.47	.....	20.67
2613	11	No...	20.84	429.40	210.15	660.39	139.81	540.65	.....	680.46	20.07	.....
2614	6	No...	13.90	103.89	106.90	289.69	319.52	.....	.....	319.52	29.83	.....



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Budget number.	Number in family.	Own house.	Expenditure for—				Income from—				Surplus.	Deficit.
			Rent.	Food.	All other purposes.	Total.	Husband.	Wife and children.	All other sources.	Total.		
2615	6	No...	\$63.12	\$157.19	\$135.36	\$355.67	\$198.14		\$111.38	\$309.52		\$16.15
2616	5	No...	54.74	92.35	147.47	294.56	190.40	\$99.06		290.36		4.20
2617	7	No...	39.27	179.37	150.06	368.70	325.58	74.26	21.42	421.26	\$52.56	
2618	10	No...	39.98	156.35	152.06	348.39	339.29			339.29		9.10
2619	7	No...	35.70	151.25	86.42	273.37	357.47		17.14	374.61	101.24	
2620	6	No...	35.70	202.48	250.26	488.44	258.47	178.50	205.63	642.60	154.16	
2621	9	No...	35.70	246.96	154.34	437.00	323.68		111.38	435.06		1.94
2622	10	No...	39.51	175.31	182.15	396.97	261.80	154.70		416.50	19.53	
2623	4	No...	35.70	244.28	88.63	368.61	138.04	308.45	12.65	459.34	90.73	
2624	9	No...	39.27	199.21	183.22	421.70	308.45	317.03		625.48	203.78	
2625	10	No...	45.46	417.47	141.71	604.64	269.89		334.15	604.04		.60
2626	9	No...	39.51	149.99	100.35	289.85	285.60		51.41	337.01	47.16	
2627	2	No...	18.56	106.47	53.42	178.45	118.81		38.56	157.37		21.08
2628	5	No...	28.56	121.24	122.74	272.54	238.00			238.00		34.54
2629	6	No...	31.42	118.38	64.83	214.63	214.20			214.20		.43
2630	8	No...	28.56	208.56	150.17	387.29	285.60	22.85	17.85	326.30		60.09
2631	7	No...	35.70	157.21	143.97	336.88	228.48			228.48		103.40
2632	7	No...	49.03	400.64	161.50	611.17	293.22		334.15	627.37	16.20	
2633	5	No...	63.26	213.25	96.34	372.85	384.45			384.45		11.60
2634	6	No...	56.94	365.21	206.35	628.50	486.65	224.35		711.00	82.50	
2635	7	No...	56.94	377.09	194.01	628.04	506.12	202.45		708.57	80.53	
2636	5	No...	63.26	184.68	102.45	350.39	350.39			350.39		
2637	5	No...	44.29	213.15	127.01	384.45	384.45			384.45		
2638	6	No...	50.62	205.51	146.00	402.13	423.39			423.39	21.26	
2639	6	No...	50.62	287.99	177.24	515.85	340.66	260.84		601.50	85.65	
2640	6	No...	50.62	321.28	178.99	550.89	379.59	212.18		591.77	40.88	
2641	7	No...	48.50	414.29	190.77	653.56	326.06	369.89		695.91	42.35	
2642	8	No...	50.62	452.25	229.88	732.75	326.06	439.57		815.63	82.88	
2643	8	No...	50.62	354.03	184.20	588.85	418.52	170.33		588.85		
2644	7	No...	47.45	267.98	151.84	467.27	413.65			413.65		53.62
2645	7	No...	56.94	292.30	161.21	510.45	326.06	209.26		535.32	24.87	
2646	6	No...	44.29	209.56	145.03	398.88	326.06	48.67		374.73		24.15
2647	7	No...	28.95	316.40	84.43	429.78	316.81	155.73		472.54	42.76	
2648	8	No...	47.45	329.18	157.69	534.32	485.65	48.67		534.32		
2649	5	No...	40.06	264.37	114.59	419.02	478.64			478.64	59.02	
2650	6	No...	43.23	228.73	113.95	385.91	329.20	63.26		392.46	6.55	
2651	6	No...	47.45	287.17	142.41	477.03	578.00			578.00	100.97	
2652	6	No...	33.74	189.32	100.80	323.86	349.45			349.45	25.59	
2653	4	No...	40.06	228.58	145.99	414.63	171.30	243.33		414.63		
2654	3	No...	21.90	192.07	112.25	326.22	346.01			346.01	19.79	
2655	3	No...	38.21	171.29	165.93	375.43	375.43			375.43		
2656	2	No...	29.52	207.86	152.61	389.99	400.22			400.22	10.23	
2657	4	No...	25.55	223.54	110.61	359.70	374.88			374.88	15.18	
2658	2	No...	29.52	199.94	120.67	350.13	407.35			407.35	57.22	
2659	6	No...	49.56	379.74	268.63	697.93	442.85	608.31		1,051.16	353.23	
2660	6	No...	31.63	199.60	37.77	269.00	269.00			269.00		
2661	4	No...	69.59	289.10	167.49	526.18	315.84	227.75		543.59	17.41	
2662	5	No...	28.47	176.10	105.36	309.93	325.55			325.55	15.62	
2663	5	No...	44.29	314.17	173.04	531.50	292.31	326.06		618.37	86.87	
2664	8	No...	50.61	187.23	214.62	452.46	486.65	107.07		593.72	141.26	
2665	5	No...	44.29	284.52	193.71	522.52	253.06	243.33		490.39		26.13
2666	5	No...	31.63	131.71	80.72	253.06	253.06			253.06		
2667	6	No...	44.29	286.40	208.44	539.13	381.25	157.88		539.13		
2668	7	No...	47.45	183.63	101.91	332.99	332.99			332.99		
2669	6	No...	50.61	200.49	187.44	438.54	418.52			418.52		20.02
2670	5	No...	63.26	259.14	146.24	468.64	379.59	126.53		506.12	37.48	
2671	6	No...	56.94	360.47	223.23	640.64	417.55	218.26		635.81		4.83
2672	9	No...	63.26	517.47	725.12	1,305.85	379.59	880.84	58.40	1,318.83	12.98	
2673	6	No...	63.26	259.38	164.02	486.66	506.12			506.12	19.46	
2674	6	No...	56.94	311.70	168.58	537.22	417.55	97.94		515.49		21.73
2675	6	No...	50.61	179.49	159.22	389.32	389.32			389.32		
2676	7	No...	50.61	217.66	116.18	384.45	384.45			384.45		
2677	2	No...	56.94	120.46	98.55	275.95	301.72			301.72	25.77	
2678	5	No...	37.96	127.75	150.88	316.59	379.59			379.59	63.00	
2679	3	No...	56.94	187.07	94.71	338.72	363.77			363.77	25.05	
2680	6	No...	50.61	175.92	195.73	422.26	408.79			408.79		13.47
2681	7	No...	56.94	288.16	107.24	452.34	452.34			452.34		
2682	5	No...	47.45	350.48	142.77	540.70	413.65	166.68		580.33	39.63	
2683	7	No...	56.94	165.79	158.41	381.14	413.65		48.67	462.32	81.18	
2684	4	No...	50.61	184.93	119.07	354.61	347.95			347.95		6.66
2685	4	No...	56.94	256.68	200.34	513.96	560.54			560.54	46.58	
2686	7	No...	63.26	253.79	177.86	494.91	506.12			506.12	11.21	
2687	5	No...	37.96	226.50	94.97	359.43	406.84			406.84	47.41	
2688	3	No...	44.29	164.85	100.77	309.91	326.87			326.87	16.96	



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud. get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
2689	8	No...	\$50.61	\$286.57	\$164.24	\$501.42	\$401.49	\$114.36	.....	\$515.85	\$14.43	.....
2690	5	No...	44.29	156.77	108.61	309.67	309.67	.....	.....	309.67	.....	.....
2691	7	No...	50.61	207.30	161.83	419.74	253.06	194.66	.....	447.72	27.98	.....
2692	5	No...	48.50	163.87	82.59	299.96	291.02	.....	.....	291.02	.....	\$8.94
2693	6	No...	37.96	185.99	131.31	355.26	388.91	.....	.....	388.91	33.65	.....
2694	5	No...	50.61	175.44	85.41	311.46	311.46	.....	.....	311.46	.....	.....
2695	5	No...	50.61	325.16	141.01	516.78	417.55	172.92	.....	590.47	73.69	.....
2696	5	No...	56.94	184.59	119.96	361.49	408.79	.....	.....	408.79	47.30	.....
2697	4	No...	56.94	318.03	279.35	654.32	521.20	293.09	.....	814.29	159.97	.....
2698	8	No...	53.53	206.66	146.50	406.69	389.32	48.67	.....	437.99	31.30	.....
2699	6	No...	47.45	265.24	79.76	392.45	311.78	.....	.....	431.78	39.33	.....
2700	7	No...	56.94	235.48	145.03	457.45	457.45	.....	.....	457.45	.....	.....
2701	7	No...	35.12	373.10	282.41	690.63	330.92	452.58	.....	783.50	92.87	.....
2702	4	No...	69.59	262.14	202.71	534.44	379.59	282.26	.....	661.85	127.41	.....
2703	3	No...	63.26	139.19	113.14	315.59	311.46	.....	.....	311.46	.....	4.13
2704	6	No...	34.80	132.62	131.46	298.88	298.88	.....	.....	298.88	.....	.....
2705	8	No...	50.61	507.17	249.49	807.27	243.73	707.58	.....	951.31	144.04	.....
2706	4	No...	44.29	159.42	83.17	286.88	286.88	.....	.....	286.88	.....	.....
2707	6	No...	63.26	287.86	365.97	717.09	379.59	379.59	.....	759.18	42.09	.....
2708	6	No...	56.94	158.67	125.57	341.18	355.25	.....	.....	355.25	14.07	.....
2709	4	No...	54.83	228.00	151.87	434.70	445.45	.....	.....	445.45	10.75	.....
2710	4	No...	34.80	189.95	128.07	352.82	328.49	.....	\$24.33	352.82	.....	.....
2711	5	No...	56.94	296.63	172.09	525.66	417.55	125.43	.....	542.98	17.32	.....
2712	6	No...	50.61	151.83	109.02	311.46	311.46	.....	.....	311.46	.....	.....
2713	8	No...	50.61	250.89	172.60	474.10	379.59	146.00	.....	525.59	51.49	.....
2714	5	No...	50.61	184.44	116.80	351.85	351.85	.....	.....	351.85	.....	.....
2715	6	No...	72.75	280.80	204.63	558.18	389.32	253.06	.....	642.38	84.20	.....
2716	3	No...	56.94	231.08	110.39	398.41	446.18	.....	.....	446.18	47.77	.....
2717	4	No...	48.50	194.74	92.17	335.41	392.24	.....	.....	392.24	56.83	.....
2718	9	No...	50.61	293.69	226.06	570.36	379.59	189.79	29.20	598.58	28.22	.....
2719	5	No...	44.29	154.44	142.60	341.33	354.28	.....	.....	354.28	12.95	.....
2720	6	No...	56.94	208.79	166.59	432.32	442.85	.....	.....	442.85	10.53	.....
2721	4	No...	56.94	212.42	165.87	435.23	442.85	.....	.....	442.85	7.62	.....
2722	6	No...	75.92	369.32	266.19	711.43	506.12	340.65	.....	846.77	135.34	.....
2723	4	No...	50.61	153.14	126.08	329.83	413.65	.....	.....	413.65	83.82	.....
2724	5	No...	50.61	184.21	130.92	365.74	403.92	.....	24.33	428.25	62.51	.....
2725	5	No...	47.45	144.09	176.25	367.79	389.32	.....	.....	389.32	21.53	.....
2726	3	No...	56.94	170.34	79.99	307.27	316.32	.....	.....	316.32	9.05	.....
2727	5	No...	50.61	264.38	271.56	586.55	535.32	150.86	19.47	705.65	119.10	.....
2728	8	No...	63.26	167.64	173.25	404.15	389.32	.....	63.26	452.58	48.43	.....
2729	7	No...	50.61	269.59	268.62	588.82	321.19	253.06	.....	574.25	.....	14.57
2730	4	No...	29.20	150.06	143.33	322.59	340.66	.....	.....	340.66	18.07	.....
2731	6	No...	37.96	202.77	171.14	411.87	291.99	136.26	.....	428.25	16.38	.....
2732	4	No...	50.61	126.81	184.29	361.71	379.59	.....	.....	379.59	17.88	.....
2733	5	No...	56.94	374.97	301.83	733.74	291.99	583.93	.....	875.97	142.23	.....
2734	4	No...	60.10	193.94	101.95	355.99	388.35	.....	.....	388.35	32.36	.....
2735	8	No...	63.26	266.45	181.52	511.23	525.58	.....	.....	525.58	14.35	.....
2736	8	No...	56.94	259.87	203.91	520.72	520.72	.....	.....	520.72	.....	.....
2737	6	Yes...	.....	303.66	473.78	777.44	379.59	569.38	.....	948.97	171.53	.....
2738	4	No...	44.29	216.89	149.15	410.33	462.64	.....	.....	462.64	52.31	.....
2739	7	No...	47.45	404.00	213.32	664.77	476.57	248.84	.....	725.41	60.64	.....
2740	7	No...	47.45	394.36	169.13	610.94	330.54	334.87	.....	665.41	54.47	.....
2741	6	No...	63.26	271.90	169.84	505.00	515.65	.....	.....	515.65	10.65	.....
2742	10	No...	23.36	468.12	256.15	747.63	417.55	420.46	.....	838.01	90.38	.....
2743	2	No...	47.45	143.26	211.54	402.25	272.52	131.40	.....	403.92	1.67	.....
2744	4	No...	47.45	135.53	140.98	323.96	328.98	.....	.....	328.98	5.02	.....
2745	6	No...	44.29	212.87	127.34	384.50	341.63	.....	.....	341.63	.....	42.87
2746	5	No...	44.29	222.84	129.06	396.19	419.74	.....	.....	419.74	23.55	.....
2747	4	No...	44.29	145.11	183.87	373.27	428.74	.....	.....	428.74	55.47	.....
2748	2	No...	47.45	181.96	195.21	424.62	436.53	.....	.....	436.53	11.91	.....
2749	3	No...	47.45	200.43	214.39	462.27	446.01	182.49	.....	628.50	166.23	.....
2750	6	No...	56.94	342.61	197.66	597.21	334.00	380.19	.....	714.19	116.98	.....
2751	5	No...	50.61	149.10	157.44	357.15	403.79	.....	.....	413.66	56.51	.....
2752	5	No...	50.61	179.56	110.49	340.66	340.66	.....	4.87	340.66	.....	.....
2753	6	No...	56.94	490.44	326.00	873.38	412.88	629.96	.....	1,042.84	169.46	.....
2754	6	No...	63.26	332.68	131.30	527.24	527.24	.....	.....	527.24	.....	.....
2755	7	No...	50.61	157.19	170.82	378.62	328.49	50.13	.....	378.62	.....	.....
2756	4	No...	50.61	197.10	115.60	363.31	457.45	.....	.....	457.45	94.14	.....
2757	5	No...	50.61	293.06	237.50	581.17	525.58	97.33	.....	622.91	41.74	.....
2758	4	No...	50.61	173.07	107.24	330.92	330.92	.....	.....	330.92	.....	.....
2759	6	No...	50.61	366.70	460.78	878.09	379.59	832.17	.....	1,211.76	333.67	.....
2760	7	No...	50.61	352.68	265.41	668.70	379.59	316.32	.....	695.91	27.21	.....
2761	9	No...	47.45	324.52	100.80	472.77	202.45	301.73	.....	504.18	31.41	.....
2762	8	No...	50.61	225.71	207.41	483.73	408.79	48.67	.....	457.46	.....	26.27

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Concluded.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
2763	5	No...	\$50.62	\$226.44	\$141.46	\$418.52	\$379.59	.....	.....	\$379.59	.....	\$38.93
2764	6	No...	50.62	324.10	136.03	510.75	340.66	\$202.45	.....	543.11	\$32.36	.....
2765	8	No...	56.94	432.45	223.13	712.52	330.92	437.99	.....	768.91	56.39	.....
2766	3	No...	34.80	252.15	113.94	400.89	408.79	121.66	.....	530.45	129.56	.....
2767	4	No...	34.80	287.21	114.92	436.93	285.10	.....	\$151.83	436.93	.....	.....
2768	6	No...	40.06	234.32	108.82	383.20	466.15	.....	.....	466.15	82.95	.....
2769	5	No...	47.45	225.65	136.08	409.18	488.76	.....	.....	488.76	79.58	.....
2770	4	No...	40.06	194.89	107.87	342.82	421.07	.....	.....	421.07	78.25	.....
2771	4	No...	58.40	202.57	104.70	365.67	392.85	.....	.....	392.85	27.18	.....
2772	6	No...	34.80	356.10	177.06	567.96	370.05	223.86	.....	593.91	25.95	.....
2773	4	No...	34.80	202.83	114.20	351.83	252.69	75.92	.....	323.61	.....	23.22
2774	10	No...	34.80	499.23	192.29	726.32	385.02	350.39	.....	735.41	9.09	.....
2775	8	No...	34.80	319.95	163.10	517.85	346.11	170.33	.....	516.44	.....	1.41
2776	7	No...	40.06	342.50	181.03	563.59	306.99	291.99	.....	598.98	35.39	.....
2777	7	No...	47.45	197.83	121.24	366.52	307.97	58.40	.....	366.37	.....	15
2778	4	No...	34.80	279.82	113.22	427.84	239.35	126.53	151.83	517.71	89.87	.....
2779	5	No...	47.45	229.02	139.08	415.55	332.58	97.33	.....	429.91	14.36	.....
2780	2	No...	29.52	130.50	114.12	274.14	274.14	.....	.....	274.14	.....	.....
2781	6	No...	32.69	302.19	156.80	491.68	292.31	224.35	.....	516.66	24.98	.....
2782	2	No...	29.52	151.25	118.09	298.86	302.41	.....	.....	302.41	3.55	.....
2783	2	No...	21.90	155.23	105.36	282.49	253.06	.....	.....	253.06	.....	29.43
2784	2	No...	29.52	121.93	50.95	202.45	202.45	.....	.....	202.45	.....	.....
2785	2	No...	29.52	109.68	84.66	223.86	223.86	.....	.....	223.86	.....	.....
2786	4	No...	46.39	229.07	168.98	444.44	506.12	.....	.....	506.12	61.68	.....
2787	4	No...	28.47	192.06	109.56	330.09	357.20	.....	.....	357.20	27.11	.....
2788	4	No...	29.48	133.46	97.41	260.35	260.35	.....	.....	260.35	.....	.....
2789	3	No...	37.96	148.19	75.42	261.57	261.57	.....	.....	261.57	.....	.....
2790	4	No...	25.30	163.09	58.69	247.08	278.48	.....	.....	278.48	31.40	.....
2791	7	No...	46.39	452.83	282.43	781.65	379.30	506.12	.....	885.42	103.77	.....
2792	6	No...	28.47	202.35	119.57	350.39	350.39	.....	.....	350.39	.....	.....
2693	4	No...	29.52	275.00	186.80	491.32	247.89	265.71	.....	513.60	22.28	.....
2794	4	No...	29.52	175.16	114.20	318.88	303.67	.....	.....	303.67	.....	15.21
2795	4	No...	50.61	216.31	137.00	403.92	476.92	.....	.....	476.92	73.00	.....
2796	7	No...	63.26	358.58	301.97	723.81	379.59	.....	569.37	948.96	225.15	.....
2797	6	No...	56.94	253.78	164.50	475.22	535.32	.....	.....	535.32	60.10	.....
2798	8	No...	56.94	261.79	282.50	601.23	506.12	150.36	.....	656.98	55.75	.....

**TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—**  
Continued.**G.—REMARKS.**

[No inference can be drawn from lack of fulness in some of these notes as uniformity of statement was found to be impracticable and was not insisted upon.]

2097. Surplus on hand; company house, neat and comfortable; garden, horse, cow, pigs, poultry, dogs.
2098. Surplus on hand; company house, in bad order, plainly furnished, in marshy ground; cow.
2099. Surplus on hand; company house, with open seams; mud holes in yard; small garden.
2100. Surplus on hand; company house, comparatively comfortable; good fence; large garden.
2101. Surplus on hand; house convenient and comfortable; good fence.
2102. Surplus paid on house; home nice and comfortable.
2103. In debt; house in bad order; plainly furnished; cow; sell milk to pay for feed.
2104. Surplus on hand; company house, well furnished; small yard, dirty and in bad order.
2105. Surplus on hand; house comfortable; large yard and garden; cow, pigs, and poultry.
2106. Surplus on hand; company house, comfortable and well furnished; cow and pigs.
2107. In debt; company house, dirty and leaky; horse and wagon, cow, pigs, and dog.
2108. Surplus on hand; water running under house; plainly furnished; clean.
2109. In debt; house comparatively comfortable.
2110. In debt; company house, comfortable, clean, well furnished.
2111. In debt; good house and lot; flower garden.
2112. Surplus on hand; good house, comfortably furnished.
2113. In debt; company house, rough and dirty; poorly furnished; cow.
2114. Surplus on hand; company house, well furnished, clean, and in order.
2115. In debt; company house, in good condition, well furnished, and clean.
2116. In debt; company house, comfortable, and clean.
2117. Surplus on hand; company house, rough, dirty, and crowded.
2118. In debt; company house, leaky, overrun with rats, poorly furnished.
2119. Surplus on hand; company house, comfortably furnished.
2120. In debt; company house, rough, but clean; several cows, which are a source of profit.
2121. Surplus on hand; company house, rough and overrun with rats.
2122. In debt; company house.
2123. Surplus on hand; company house, neat and clean.
2124. Surplus applied to old debts; company house, rough and dirty.
2125. Surplus on hand; house clean.
2126. In debt; house leaky, overrun with rats, poorly furnished, and dirty.
2127. In debt; house rough, but clean and well furnished.
2128. Surplus on hand; house comfortable; poorly furnished.
2129. Surplus invested; company house, disordered; dogs and cows; sell milk.
2130. In debt; company house, poorly furnished; cow.
2131. In debt; company house, open and rough; poorly furnished.
2132. Surplus on hand; house dirty; but few comforts.
2133. In debt; house rough, leaky, and overrun with rats, but comfortably furnished and clean.
2134. In debt; company house, dirty, comfortably furnished.
2135. In debt; company house, dirty, poorly furnished; pigs, chickens; sell eggs and chickens.
2136. In debt; company house, rough, but in good condition.
2137. In debt; company house, dirty.
2138. Surplus on hand; company house, in good condition.
2139. In debt; company house, poorly furnished.
2140. Surplus on hand; company house, comfortably furnished; organ; yard and garden; two cows, pig, and dogs.
2141. Surplus on hand; house dirty and disorderly.
2142. In debt; company house, clean and comfortable; yard and garden; two cows.
2143. In debt; company house, in good order; garden; horse, pigs, and chickens.
2144. Surplus on hand; company house, comfortable.
2145. In debt; company house, rough, no yard or garden; heifer.
2146. Surplus applied to old debts; company house, rough, dirty, and poorly furnished; two dogs.
2147. In debt; company house, in bad order, plainly furnished; marshy ground; yard and garden.
2148. In debt; company house, rough, plainly furnished; garden; two cows.
2149. Surplus on hand; house comfortable, neat and clean.
2150. Surplus on hand; house very dirty.
2151. Surplus on hand; company house, rough, and poorly furnished; garden.
2152. Surplus on hand; company house, rough and leaky.
2153. Surplus paid on house; home poorly furnished.
2154. Surplus on hand; house rough and dirty.
2155. Surplus on hand; company house, crowded but clean.
2156. Surplus on house; home neat; cow and chickens.
2157. Accounts balance.
2158. Surplus invested in real estate; cow and chickens.
2159. In debt; chickens.
2160. In debt; own house.
2161. Surplus on hand; cow.
2162. Surplus invested in real estate.
2163. In debt.
2164. In debt.
2165. Surplus invested.
2166. In debt; own house; garden, cow, and chickens.
2167. In debt.
2168. Accounts balance.
2169. Surplus on hand.
2170. Surplus on hand; garden, cow, and chickens.
2171. In debt.
2172. In debt; garden; chickens.
2173. In debt.
2174. Surplus on hand; cow and chickens.
2175. In debt; chickens.



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## G.—REMARKS—Continued.

2176. In debt.  
 2177. Surplus on hand; own house.  
 2178. In debt.  
 2179. In debt; garden; chickens.  
 2180. In debt; garden.  
 2181. Surplus on hand.  
 2182. Surplus on hand.  
 2183. In debt; chickens.  
 2184. In debt; chickens.  
 2185. Surplus on hand.  
 2186. Surplus on hand.  
 2187. In debt.  
 2188. Surplus on hand; own some real estate.  
 2189. In debt.  
 2190. Surplus on hand.  
 2191. Surplus on hand; garden; cow.  
 2192. Surplus invested in real estate; own house and three lots; rooms devoid of comforts.  
 2193. In debt; company house; no refinement; wife smokes; children rude and poorly clad.  
 2194. In debt; rooms neatly furnished.  
 2195. In debt; rooms carpeted and whitewashed; have choice lot of books; garden.  
 2196. In debt; company house, devoid of comforts; children poorly clad and dirty; sewing machine.  
 2197. Surplus applied to improvements; own comfortable house and large garden; frugal and industrious.  
 2198. Surplus applied to improvements; own house and other property; sewing machine and comforts.  
 2199. In debt; company house, very neat; wife raises birds for sale.  
 2200. In debt; ordinary house; sewing machine; hard working man.  
 2201. In debt; company house; no comforts; poor people; helped by a sister.  
 2202. In debt; poorly furnished house; sewing machine.  
 2203. Surplus on hand; one room carpeted; sewing machine.  
 2204. Surplus on hand; comfortably furnished house; large garden; sewing machine.  
 2205. Surplus on hand; small house; no comforts; sewing machine; garden; cow and chickens.  
 2206. In debt; ordinary house furnishings; two cows; garden.  
 2207. Surplus on hand; quite intelligent people; sewing machine; garden.  
 2208. Surplus on hand; small house; one carpet; small garden; intelligent people.  
 2209. Surplus invested in real estate; one carpet; sewing machine.  
 2210. Surplus on hand; very neat and pleasantly furnished house; sewing machine; garden.  
 2211. In debt; lazy, ignorant people; dirty house.  
 2212. Surplus on hand; very poor house; large garden.  
 2213. In debt; neat, clean, carpeted house; has horse and wagon, which gives an income.  
 2214. In debt; small house, comfortably fixed; sewing machine; large garden.  
 2215. Surplus on hand; small house, poor; large garden.  
 2216. In debt; small, bare, dirty house; ignorant people; small garden.  
 2217. In debt; bare house; sewing machine; large garden.  
 2218. Surplus on hand; poorly furnished house; hard working man; sewing machine; small garden.  
 2219. In debt; decent rooms; unpleasant surroundings; sewing machine; small garden.  
 2220. Surplus on hand; comfortably located; sewing machine.  
 2221. Surplus on hand; neat and clean house; sewing machine; small garden.  
 2222. In debt; very ordinarily furnished house; sewing machine; garden.  
 2223. In debt; neatly furnished rooms; children well clad; sewing machine; garden.  
 2224. In debt; plainly furnished house; 2 acres of ground.  
 2225. In debt; pleasant and comfortable house.  
 2226. Surplus applied to improvements; own good house; man has extra work and pay.  
 2227. Surplus on hand; have a struggle to make a living; raise vegetables.  
 2228. In debt; own house; raise vegetables.  
 2229. Surplus on hand; own house.  
 2230. In debt; industrious, but had poor success in mining.  
 2231. In debt.  
 2232. Surplus on hand; own house; raise vegetables.  
 2233. Surplus on hand; own house.  
 2234. Surplus paid on house; industrious family; garden; cow and hogs.  
 2235. Surplus in bank; own house; homelike people; garden; cow and hogs.  
 2236. Surplus on hand; good house; have an organ and sewing machine; small garden; 3 horses.  
 2237. In debt; very bare house.  
 2238. Surplus on hand; few comforts in the house; sewing machine.  
 2239. In debt; neat house; carpet and sewing machine; thrifty family.  
 2240. Surplus applied to old debts; poorly furnished rooms.  
 2241. In debt; house poorly furnished; small, well cultivated garden.  
 2242. In debt; poorly furnished rooms; sewing machine.  
 2243. Surplus on hand; organ; children taking music lessons; sewing machine; small garden.  
 2244. Surplus on hand; only ordinary comforts in the house; own 6 lots and 4 houses; large garden.  
 2245. Surplus applied to improvements; own house and 6 acres of ground in the country.  
 2246. In debt; small, poorly furnished rooms; family destitute on account of sickness; garden.  
 2247. Surplus on hand; building a house; economizing closely; sewing machine; garden.  
 2248. In debt; poorly furnished house; organ and sewing machine.  
 2249. In debt; poorly furnished rooms, not clean; sewing machine; small garden.  
 2250. Surplus applied to improvements; own house, comfortably furnished; large garden.  
 2251. In debt; has an income from investments in England.  
 2252. In debt; raise own vegetables.  
 2253. In debt; raise own vegetables; keep chickens.  
 2254. Surplus in bank; own house.  
 2255. Surplus applied to old debts; own some real estate; children intelligent and clean; garden.  
 2256. Surplus applied to old debts; owned a house, but had to sell, work being slack.

**TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—**  
Continued.**G.—REMARKS—Continued.**

2257. In debt; raise own vegetables; has a hard time, but might do better.  
 2258. Surplus on hand; own house; raise own vegetables; hog.  
 2259. Surplus on hand; own house.  
 2260. Surplus on hand; own house; raise own vegetables; hog and chickens.  
 2261. Surplus on hand.  
 2262. Surplus on hand; ignorant people; dirty house.  
 2263. In debt; company house, very bare.  
 2264. In debt; house comfortable; organ and sewing machine; small garden.  
 2265. Surplus on hand; comfortable house; sewing machine; small garden.  
 2266. In debt; poorly furnished house; man broken down by drink.  
 2267. Surplus on hand; well furnished house; garden.  
 2268. In debt; own comfortable house; sewing machine.  
 2269. In debt; own house, unfinished; large garden.  
 2270. In debt; neatly furnished house; large garden.  
 2271. Surplus on hand; own comfortable house; sewing machine; garden.  
 2272. Surplus in bank; own house; raise vegetables.  
 2273. In debt; raise own vegetables.  
 2274. Surplus invested; own house; cow, hog, and chickens.  
 2275. Surplus on hand.  
 2276. Surplus on hand; own house; raise own vegetables; live economically.  
 2277. Surplus applied to old debts; own house.  
 2278. In debt.  
 2279. Surplus in bank; own house; raise own vegetables; cow, hogs, and chickens.  
 2280. In debt; disgusted at being a miner, being an engineer by trade.  
 2281. Surplus on hand.  
 2282. Surplus applied to old debts; own house; discouraged because of debt.  
 2283. Surplus on hand; own house; ignorance and poverty prevail.  
 2284. In debt; company house, comparatively neat; sewing machine.  
 2285. In debt; house fairly comfortable; sewing machine; garden; horse and buggy.  
 2286. In debt; company house, very uninviting.  
 2287. In debt; company house; sewing machine.  
 2288. In debt; company house; sewing machine and organ.  
 2289. In debt; company house, very bare; family poor; sewing machine.  
 2290. In debt; bare and dirty house; sewing machine.  
 2291. In debt; but little comfort; sewing machine; small garden.  
 2292. In debt; company house; sewing machine; small garden.  
 2293. Surplus on hand; company house, very bare; small garden.  
 2294. Surplus on hand; house carpeted; sewing machine; garden.  
 2295. In debt; poor and feeble old people; no money saved; small garden.  
 2296. Surplus on hand; own house, very comfortably furnished; garden; two cows.  
 2297. Surplus applied to improvements; own house, comfortably furnished; garden; cow and poultry.  
 2298. Surplus on hand; own house, comfortably furnished; garden; pigs and poultry.  
 2299. Surplus applied to old debts; own house, well furnished and very neat; garden.  
 2300. In debt; own new house; garden; cow, pigs, and poultry.  
 2301. Surplus on hand; house neatly kept; garden; poultry.  
 2302. In debt; live in comfortable house; home fairly kept; poultry.  
 2303. Surplus applied to building comfortable house.  
 2304. Surplus on hand; live in company house, very nicely furnished.  
 2305. In debt; company house; home comfortable; garden.  
 2306. In debt; own house, nicely kept and well furnished; half acre of ground; pigs and poultry.  
 2307. Surplus on hand; own house, very comfortably furnished; garden.  
 2308. In debt; miserable company house; no home comforts; poultry.  
 2309. Accounts balance; own house; home tidy and well furnished; large garden; poultry.  
 2310. In debt; company house; no home comforts.  
 2311. In debt; company house, poorly furnished, but neat; pigs and poultry.  
 2312. Surplus applied to old debts; own comfortable home and 26 acres of land; cows, pigs, and poultry.  
 2313. In debt; company house, very nicely furnished.  
 2314. In debt; miserable company house, very poorly furnished; small garden.  
 2315. Surplus applied to old debts; live in father's house, nicely furnished and well kept; garden.  
 2316. In debt; live in a nice cottage, well furnished; cow and poultry.  
 2317. Surplus invested in real estate; own house, very comfortably furnished; large garden.  
 2318. In debt; company house, fairly furnished; garden; pigs and poultry.  
 2319. In debt; company house, poorly furnished and very dirty.  
 2320. Surplus on hand; company house, nicely furnished; everything neat and tidy.  
 2321. In debt; company house, poorly furnished and kept; garden.  
 2322. Surplus on hand; company house, well furnished and comfortable; small garden.  
 2323. In debt; company house, nicely furnished and kept.  
 2324. In debt; company house, poorly furnished; small garden; cow.  
 2325. Surplus invested in real estate; company house, nicely furnished; small garden.  
 2326. Surplus on hand; company house, nicely furnished.  
 2327. Surplus on hand; company house, poorly furnished.  
 2328. Surplus on hand; company house, comfortably furnished; poultry.  
 2329. In debt; company house, nicely furnished.  
 2330. Surplus invested in real estate and building association; company house, nicely furnished.  
 2331. In debt; company house, nicely furnished.  
 2332. In debt; company house, comfortably furnished.  
 2333. Surplus on hand; company house, poorly furnished.  
 2334. In debt; company house, fairly furnished; garden.  
 2335. In debt; company house, very nicely furnished.  
 2336. In debt; miserable house, poorly furnished.  
 2337. Surplus invested in real estate; own house, very nicely furnished; garden; poultry.  
 2338. Surplus in bank; company house, very poorly furnished.



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## G.—REMARKS—Continued.

2339. Surplus on hand; nicely furnished house; sewing machine; garden.  
 2340. Surplus on hand; company house, poorly furnished.  
 2341. In debt; company house, poorly furnished.  
 2342. Surplus in savings bank; home uninviting and very dirty.  
 2343. In debt; house neatly furnished; garden; cow.  
 2344. Surplus on hand; house comfortably furnished; garden.  
 2345. Surplus on hand; own house, very poorly furnished; small garden; poultry.  
 2346. Accounts balance; house poorly furnished; garden; cow and poultry.  
 2347. Surplus applied to old debts and improvements; own house, poorly furnished; garden.  
 2348. Surplus on hand; house poorly furnished; garden; poultry.  
 2349. In debt; house nicely furnished and neatly kept.  
 2350. Surplus on hand; own house, very poorly furnished; garden; cow and poultry.  
 2351. In debt; house miserably furnished.  
 2352. In debt; house comfortably furnished; garden; poultry.  
 2353. Surplus on hand; house nicely furnished; garden; cow and poultry.  
 2354. In debt; house nicely furnished; small garden.  
 2355. Surplus invested; miserable house, poorly furnished; garden; cow and poultry.  
 2356. In debt; house nicely furnished.  
 2357. Surplus on hand; miserable house, very poorly furnished.  
 2358. Surplus on hand; very poor house, with little furniture.  
 2359. Surplus on hand; own a handsome home, very comfortably furnished; garden; pigs.  
 2360. Surplus on hand; live in comfortable house, nicely furnished; large garden.  
 2361. In debt; company house, miserably furnished.  
 2362. Surplus on hand; company house, fairly furnished.  
 2363. In debt; own house, a mere shell and miserably furnished.  
 2364. In debt; own house, not more than a shanty, and miserably furnished.  
 2365. Surplus invested; company house, nicely kept; garden; pigs.  
 2366. Surplus on hand; company house, poorly kept; garden; pigs.  
 2367. Accounts balance; company house, fairly furnished; small garden; pigs.  
 2368. Surplus on hand; own house, nicely kept; large garden; pigs and poultry.  
 2369. Surplus on hand; house poorly furnished, and dirty; garden; poultry.  
 2370. Surplus on hand; company house, very dirty; garden.  
 2371. Surplus invested in real estate and cow; log house, very poorly furnished; garden; cow and pig.  
 2372. Surplus applied to old debts; own house, poorly furnished; garden; cow, and poultry.  
 2373. Surplus on hand; own house, comfortably furnished; cow.  
 2374. Surplus invested in real estate; house fairly furnished; garden; cow, and poultry.  
 2375. Surplus applied to old debts; own house, comfortably furnished; garden; cow, pigs, and poultry.  
 2376. In debt; miserable house, very poorly furnished.  
 2377. Surplus applied to old debts; own house, miserably furnished; garden; poultry.  
 2378. In debt; own house, poorly furnished.  
 2379. Surplus invested in real estate; own house, comfortably furnished; garden; cow, pigs, and poultry.  
 2380. Surplus on hand; own house, fairly furnished; garden; cow, pigs, and poultry.  
 2381. Accounts balance; live in two rooms of large house; no comforts; garden.  
 2382. Surplus on hand; neat cottage; garden; cow.  
 2383. In debt; company house; everything neat and clean.  
 2384. Accounts balance; company house; home neat and clean.  
 2385. Accounts balance; company house; home neat and clean.  
 2386. Accounts balance; company house, poorly furnished, and family very untidy.  
 2387. Surplus applied to sewing machine; company house, poorly furnished but clean.  
 2388. Surplus on hand; company house; neither comforts nor cleanliness in house or family.  
 2389. Surplus on hand; own house, poorly furnished.  
 2390. Surplus on hand; house comfortably furnished; garden; cow, pigs, and poultry.  
 2391. Surplus on hand; own house, nicely furnished; garden; cow, and poultry.  
 2392. In debt; house poorly furnished; garden and poultry.  
 2393. Surplus in bank; own house, fairly furnished; garden; cow, pigs, and poultry.  
 2394. In debt; house fairly furnished.  
 2395. Surplus applied to old debts; own house, fairly furnished.  
 2396. In debt; company house, miserably furnished; garden; pigs, and poultry.  
 2397. In debt; house very poorly furnished.  
 2398. In debt; house miserably furnished.  
 2399. In debt; house very poorly furnished.  
 2400. Surplus on hand; house poorly furnished; garden; poultry.  
 2401. Surplus on hand; company house, scantily furnished.  
 2402. Surplus on hand; company house, comfortably furnished.  
 2403. Surplus on hand; company house, poorly furnished.  
 2404. Surplus invested in real estate; company house; garden; cow.  
 2405. Surplus on hand; company house, nicely furnished.  
 2406. Surplus on hand; company house, comfortably furnished.  
 2407. In debt; company house, nicely furnished.  
 2408. Surplus on hand; own house, scantily furnished; cow.  
 2409. Surplus on hand; own house, nicely furnished; garden; cow, pigs, and poultry.  
 2410. In debt; poor house, meagrely furnished.  
 2411. In debt; company house, miserably furnished.  
 2412. In debt; company house, poorly furnished; garden.  
 2413. Surplus in building association; company house, poorly furnished; cow and pigs.  
 2414. Surplus invested in real estate; own house, nicely furnished; garden; cow, pigs, and poultry.  
 2415. Surplus on hand; company house, poorly furnished; cow.  
 2416. Surplus on hand; company house, nicely furnished.  
 2417. Surplus on hand; company house, poorly furnished.  
 2418. Surplus on hand; company house, scantily furnished; pigs.  
 2419. In debt; company house, comfortably furnished.  
 2420. Surplus on hand; company house, nicely furnished; cow and pigs.  
 2421. Surplus on hand; company house, elegantly furnished.



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## G.—REMARKS—Continued.

2422. In debt; company house, very poorly furnished.
2423. In debt; company house, miserably furnished, and very dirty.
2424. In debt; live in two room shanty, rooms neat and clean; garden; pigs and poultry.
2425. In debt; company house, uninviting and dirty; poultry.
2426. Accounts balance; company house, nicely furnished and comfortable; pigs and poultry.
2427. In debt; miserable company house, poorly furnished and ill kept.
2428. In debt; company house, nicely furnished.
2429. Surplus on hand; own house, fairly furnished, but dirty; garden; cow and poultry.
2430. In debt; own house, very neatly furnished; pigs and poultry.
2431. In debt; house moderately furnished.
2432. Surplus on hand; live in a shanty, miserably furnished.
2433. Surplus on hand; own house, a mere shell, poorly furnished; poultry.
2434. Surplus on hand; own house, well furnished; large garden; pigs.
2435. In debt; company house, very uninviting; garden; poultry.
2436. In debt; company house, poorly furnished and miserably kept; cow.
2437. Surplus on hand; live in a shanty, no comforts visible, and very dirty.
2438. Surplus on hand; company house, miserably furnished.
2439. In debt; own a comfortable home, fairly furnished; cow and poultry.
2440. Surplus in bank; house very scantily furnished; garden.
2441. Surplus on hand; own house, poorly furnished; garden; cow and poultry.
2442. In debt; miserable company house of two rooms; garden.
2443. Surplus on hand; own house, nicely furnished; cow and pigs.
2444. Surplus in bank; house fairly furnished, but comfortable; garden; pigs.
2445. Surplus on hand; company house, fairly comfortable; garden.
2446. Accounts balance; company house, poorly furnished and dirty; garden.
2447. Surplus on hand; house very poorly furnished.
2448. In debt; own house, fairly furnished; garden; cow and poultry.
2449. Surplus applied to improvements; own house, plainly furnished; garden; cow and pigs.
2450. Surplus applied to paying for house, and partly on hand; nicely furnished; garden; cow and pigs.
2451. Accounts balance; company house, poorly furnished and dirty; pigs.
2452. In debt; house miserably furnished; garden.
2453. Surplus on hand; house fairly furnished; garden; poultry.
2454. In debt; company house, miserably furnished; garden; cow and pigs.
2455. In debt; company house, miserably kept; poultry.
2456. In debt; company house, fairly comfortable; garden; pigs and poultry.
2457. Surplus applied to old debts and buying cow; log house, nicely kept, and comfortable; 10 acres of land; cow, pigs, and poultry.
2458. Surplus in savings bank; house poorly furnished and very dirty; cow, pigs, and poultry.
2459. Accounts balance; dilapidated house, miserably furnished and very dirty; garden.
2460. Surplus in savings bank; own house, nicely furnished; garden; cow and pigs.
2461. Surplus on hand; own house, plainly furnished, but nicely kept; garden.
2462. Accounts balance; own house, very poorly kept and dirty; garden; cow and pigs.
2463. Surplus on hand; own house, well furnished; garden; cow and pigs.
2464. In debt; company house, poorly furnished; cow, pigs, and poultry.
2465. Accounts balance; own house, nicely kept and very clean; large garden.
2466. In debt; own house, poorly kept and dirty; large garden; pigs.
2467. In debt; poor house, but everything neat and clean.
2468. In debt; house very neatly kept; garden; pigs and poultry.
2469. In debt; house very poorly furnished.
2470. Surplus applied to improvements and in bank; own house, nicely furnished, but unkept; garden; cow, pigs, and poultry.
2471. Surplus applied to paying for sewing machine; house very poorly kept and dirty; pigs.
2472. Surplus on hand; own house, poorly furnished and dirty; garden; pigs and poultry.
2473. Surplus on hand; family industrious, but untidy and dirty; garden.
2474. Surplus on hand; own house, well furnished and comfortable; garden; cow, pigs, and poultry.
2475. Surplus on hand; own house, nicely kept; garden; pig.
2476. In debt; company house, very poorly kept; garden; pig.
2477. Accounts balance; company house, very cheerless home; garden; pig.
2478. Surplus invested in real estate and improvements; own house, poorly furnished and kept; garden; cow, pigs, and poultry.
2479. Accounts balance; own house, very comfortable and pleasant; have 5 acres of land; cows, pigs, and poultry.
2480. Surplus invested in real estate; own house, in filthy condition, no comforts; garden; pigs.
2481. Surplus applied to improvements; own house, fairly furnished; garden; cow and pigs.
2482. Accounts balance; company house, home poorly kept and uninviting.
2483. In debt; company house, very nicely furnished; pigs and poultry.
2484. Surplus invested in real estate; own house, fairly comfortable; have 10 acres of land; cow, pigs, and poultry.
2485. Surplus invested in real estate; own house; have  $3\frac{1}{2}$  acres of land; cow, pigs; poultry.
2486. In debt; company house, nicely furnished and comfortable; garden.
2487. Surplus invested in real estate; own house, comfortable and inviting; 4 acres of land; cows and pigs.
2488. Surplus invested in real estate and sewing machine; own house, poorly kept; have 3 acres of land; cow, pigs, and poultry.
2489. Surplus invested in real estate; own house, miserably kept; garden; goat, pigs, and poultry.
2490. In debt; own house, nicely furnished, and very neat; 4 acres of land; cow, pigs, and poultry.
2491. Surplus applied to improvements; own house, poorly furnished; have 1 acre of land; cow and pigs.
2492. Surplus invested in real estate and improvements; own house, fairly kept; have 1 acre of land.
2493. Surplus invested in real estate and improvements; own house, poorly kept;  $1\frac{1}{2}$  acres; poultry, pigs, and cow.
2494. Surplus on hand; own house, dirty and uninviting; 2 acres of land; cow and pigs.
2495. Accounts balance; own house, miserably kept; have 6 acres of land; cow and pigs.
2496. Surplus on hand; company house, dirty and ill kept; garden.

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## G.—REMARKS—Continued.

2497. Surplus invested in real estate; own house, very poorly furnished; garden; pigs.  
 2498. Surplus on hand; own house, miserably furnished; garden; cow, pigs, and poultry.  
 2499. Surplus invested in real estate and some on hand; own house, nicely kept; large garden.  
 2500. Surplus on hand; house very dirty and unclean; garden; pig.  
 2501. Surplus invested in real estate; house nicely furnished; garden.  
 2502. In debt; own house, comfortably furnished; garden.  
 2503. In debt; garden and cows.  
 2504. Surplus on hand; house poorly furnished; garden; poultry.  
 2505. Surplus on hand; house comfortably furnished; garden; pigs and poultry.  
 2506. In debt; own house, poorly furnished; garden; poultry.  
 2507. In debt; company house, poorly furnished.  
 2508. In debt; company house, nicely furnished.  
 2509. In debt; company house, miserably furnished; cow and pigs.  
 2510. In debt; company house, very poorly furnished.  
 2511. Surplus in building association; company house; nicely furnished; garden; pigs.  
 2512. Accounts balance; own house, poorly kept; have one-half acre land; pigs.  
 2513. Surplus on hand; own house, neat but plain; garden; pigs and poultry.  
 2514. Surplus on hand; own house, fairly comfortable; garden; cow, pigs, and poultry.  
 2515. In debt; house poorly kept; garden; cow and poultry.  
 2516. Surplus on hand; house uninviting and cheerless; garden; poultry.  
 2517. In debt; own house (one room), elegantly furnished.  
 2518. Surplus on hand; company house, nicely furnished; cow.  
 2519. Accounts balance; house scantily furnished; cow and poultry.  
 2520. Surplus on hand; house poorly furnished; cow.  
 2521. Accounts balance; house nicely furnished.  
 2522. Surplus on hand; house comfortably furnished.  
 2523. In debt; house nicely furnished.  
 2524. Surplus paid on house and improvements; some on hand; every comfort; garden; cow and pigs.  
 2525. In debt; rented house, poorly kept and uninviting; garden.  
 2526. Accounts balance; company house; home neat and tidy.  
 2527. Accounts balance; house nicely furnished.  
 2528. Surplus invested in real estate; own house, scantily furnished; garden; poultry.  
 2529. Surplus on hand; own house, poorly furnished; garden; cow, pigs, and poultry.  
 2530. Surplus paid on house; own house, poorly furnished; garden; poultry.  
 2531. Surplus on hand; house poorly furnished.  
 2532. Surplus invested in real estate; own house, comfortably furnished; garden; pigs and poultry.  
 2533. Surplus on hand; company house, miserably furnished.  
 2534. Surplus on hand; company house, moderately furnished.  
 2535. In debt; company house, miserably furnished.  
 2536. Surplus on hand; company house, comfortably furnished; cow.  
 2537. In debt; company house, little or no furniture.  
 2538. In debt; company house, very poorly furnished.  
 2539. In debt; company house, almost devoid of furniture.  
 2540. In debt; company house, poorly furnished.  
 2541. Surplus on hand; company house, poorly furnished; cow and poultry.  
 2542. Surplus on hand; company house, poorly furnished.  
 2543. Surplus on hand; company house, miserably furnished; cow.  
 2544. In debt; own house, plainly furnished; garden; cow and pigs.  
 2545. Surplus on hand; house comfortably furnished; garden; poultry.  
 2546. Surplus on hand; own house, nicely furnished; garden; poultry.  
 2547. Surplus invested in real estate; own house, neat, but poorly furnished; garden; poultry.  
 2548. Surplus on hand; own house, miserably furnished; poultry.  
 2549. In debt; house fairly furnished; garden; cow and poultry.  
 2550. Accounts balance; company house, poorly kept and uninviting.  
 2551. In debt; company house; home neat and tidy.  
 2552. In debt; house miserably furnished; garden.  
 2553. In debt; house miserably furnished; garden; cow and poultry.  
 2554. Accounts balance; house bright and cheerful; garden.  
 2555. Accounts balance; house untidy and dirty.  
 2556. Surplus on hand; house nicely kept; garden; pigs and poultry.  
 2557. Surplus on hand; company house, miserably furnished; garden.  
 2558. Surplus applied to paying for organ; company house, comfortably furnished; cows.  
 2559. Surplus on hand; company house, poorly furnished; pigs.  
 2560. Surplus on hand; company house, comfortably furnished; pigs.  
 2561. Surplus on hand; company house, meagerly furnished; garden.  
 2562. Surplus in building association; company house, comfortably furnished; poultry.  
 2563. Surplus invested in real estate; own house, well furnished; garden; cow, pigs, and poultry.  
 2564. Surplus in building association; own house, nicely furnished; garden; cow.  
 2565. In debt; own house, nicely furnished; garden; pigs and poultry.  
 2566. In debt; company house, comfortably furnished.  
 2567. In debt; company house, poorly furnished.  
 2568. Surplus on hand; company house, comfortably furnished.  
 2569. In debt; company house, poorly furnished.  
 2570. Surplus on hand; company house, miserably furnished.  
 2571. Surplus applied to old debts; company house, fairly furnished; pigs and poultry.  
 2572. Surplus on hand; own house, comfortably furnished; small garden.  
 2573. Surplus on hand; company house, fairly furnished.  
 2574. Surplus on hand; company house, fairly furnished.  
 2575. Surplus on hand; house neatly furnished; garden.  
 2576. In debt; company house, poorly furnished; cow and pigs.  
 2577. In debt; company house, miserably furnished; poultry.  
 2578. In debt; company house, poorly furnished.



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Continued.

## G.—REMARKS—Continued.

2579. In debt; company house, poorly furnished.  
 2580. Surplus applied to old debts; company house, fairly furnished.  
 2581. Surplus in building association; company house, poorly furnished.  
 2582. Accounts balance; company house, comfortably furnished; cow.  
 2583. In debt; own house, fairly furnished; garden; cow, pigs, and poultry.  
 2584. In debt; company house, comfortably furnished.  
 2585. Surplus invested in real estate and building association; company house, fairly furnished.  
 2586. Surplus invested in real estate; own house, comfortably furnished; garden; pigs and poultry.  
 2587. Surplus on hand; house neatly furnished; garden.  
 2588. In debt; own house, comfortably furnished; garden; pigs and poultry.  
 2589. In debt; company house, miserably furnished.  
 2590. Surplus applied to old debts; company house, comfortably furnished.  
 2591. In debt; company house, poorly furnished.  
 2592. In debt; company house, poorly kept and unclean.  
 2593. Surplus on hand; company house, cheerless within and without.  
 2594. Surplus in bank; company house, nicely furnished; poultry.  
 2595. Surplus invested in real estate and cow; own house, poorly furnished and dirty; small garden; cow and pigs.  
 2596. Surplus applied to improvements; own house, nicely kept;  $4\frac{1}{2}$  acres; cow, pigs, and poultry.  
 2597. In debt; owns some real estate.  
 2598. In debt.  
 2599. In debt; has a pension.  
 2600. Surplus on hand.  
 2601. In debt; carried on grocer's book.  
 2602. Surplus applied to old debts.  
 2603. In debt.  
 2604. Surplus on hand.  
 2605. Surplus applied to old debts; house one story stone, in the country, brick floors; no carpets; furniture substantial; cow.  
 2606. Surplus in savings bank; company house, two story brick, well lighted and ventilated; furniture plain; garden; cow.  
 2607. Surplus in savings bank; furniture plain but substantial; garden.  
 2608. Surplus in savings bank; company house, well lighted and ventilated; hog.  
 2609. Surplus in savings bank; house well lighted and ventilated; furniture substantial; garden.  
 2610. In debt; three small rooms, well furnished; sewing machine; small garden.  
 2611. Surplus in savings bank; company house, rooms airy and well furnished; garden.  
 2612. In debt; house small and poorly furnished and ventilated; small garden.  
 2613. Surplus on hand; company house, very commodious, high ceiling, and large windows, comfortably furnished; garden.  
 2614. Surplus in savings bank; rooms commodious and well ventilated; garden; goat.  
 2615. In debt; rooms poorly furnished; garden.  
 2616. In debt; have a garden and hog.  
 2617. Surplus on hand; rooms poorly furnished; garden; hog.  
 2618. In debt; garden; hog.  
 2619. Surplus on hand; garden.  
 2620. Surplus in savings bank; garden; hog.  
 2621. In debt; garden.  
 2622. Surplus on hand; house poorly furnished; garden.  
 2623. Surplus on hand; rooms plainly furnished; garden.  
 2624. Surplus on hand; garden; hog.  
 2625. In debt; garden; two hogs.  
 2626. Surplus on hand; rooms plainly furnished; garden; two hogs.  
 2627. In debt; draws \$38.56 as pension from the company for which he works.  
 2628. In debt.  
 2629. In debt.  
 2630. In debt; wife an invalid, hence the large account for sickness.  
 2631. In debt; husband and wife both sick a long time, hence the large amount for sickness.  
 2632. Surplus on hand; garden; hogs.  
 2633. Surplus on hand; house fairly furnished.  
 2634. Surplus on hand; good house, well furnished.  
 2635. Surplus in bank; good house, well furnished.  
 2636. Surplus on hand; house fairly furnished.  
 2637. Surplus on hand; comfortable house, nicely furnished.  
 2638. Surplus on hand; good home, well furnished.  
 2639. Surplus on hand; house well furnished; man strictly temperate.  
 2640. Surplus on hand; good home, fairly furnished.  
 2641. Surplus on hand; good house, poorly furnished.  
 2642. Surplus in bank; well furnished house.  
 2643. Accounts balance; family live well; house fairly furnished.  
 2644. In debt; a very deserving man, unable to make ends meet.  
 2645. Surplus on hand; house fairly well furnished.  
 2646. In debt; house poorly furnished; man worked only part of year.  
 2647. Surplus in savings bank; house fairly furnished; garden.  
 2648. Surplus on hand; house well furnished.  
 2649. Surplus in savings bank; house fairly furnished.  
 2650. Surplus on hand; house well furnished; man strictly temperate.  
 2651. Surplus in savings bank; house fairly furnished; man very industrious and a good workman.  
 2652. Surplus on hand; small house, with only two rooms.  
 2653. Surplus on hand; good house, well furnished.  
 2654. Surplus on hand; small house, fairly furnished; everything neat and clean.  
 2655. Surplus on hand; good house, very well furnished; garden.



TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

2656. Surplus on hand; well furnished house; garden.  
 2657. Surplus on hand; house fairly well furnished; garden.  
 2658. Surplus in savings bank; house fairly well furnished; garden.  
 2659. Surplus invested; good house, well furnished; garden.  
 2660. Surplus on hand; house fairly furnished; garden.  
 2661. Surplus on hand; house fairly furnished; good garden.  
 2662. Surplus on hand; good garden.  
 2663. Surplus on hand; house fairly furnished; good garden.  
 2664. Surplus in bank; house comfortably furnished; family careful and saving.  
 2665. In debt; neat house, well furnished; did not work full time.  
 2666. Accounts balance; house poor and scantily furnished, but clean.  
 2667. Accounts balance; house good and comfortable.  
 2668. Accounts balance; house clean and comfortable, but small.  
 2669. In debt; house well furnished.  
 2670. Surplus in bank; good house, well furnished.  
 2671. In debt; good home; lives well.  
 2672. Surplus on hand; hard working family; live well.  
 2673. Surplus in bank; good home, well furnished.  
 2674. In debt; nice, clean, well furnished house.  
 2675. Accounts balance; house comfortably furnished.  
 2676. Accounts balance; house comfortably furnished.  
 2677. Surplus on hand; good house, well furnished.  
 2678. Surplus applied to old debts; had a good deal of sickness and not able to save much.  
 2679. Surplus in savings bank; live well in a good house.  
 2680. In debt.  
 2681. Accounts balance; good, well furnished home.  
 2682. Surplus in savings bank; good, well furnished home.  
 2683. Surplus in building society; makes a few pounds by getting up watch clubs.  
 2684. In debt; good, comfortable home; lives well.  
 2685. Surplus in savings bank; company house, clean and well furnished.  
 2686. Surplus on hand; good home, well furnished.  
 2687. Surplus in building society; good house and lives well.  
 2688. Surplus on hand; small, neat, comfortable house.  
 2689. Surplus on hand.  
 2690. Accounts balance; house looks well.  
 2691. Surplus on hand; poor looking house, scantily furnished.  
 2692. In debt; small house, poorly furnished.  
 2693. Surplus in savings bank.  
 2694. Accounts balance; house poorly furnished, but clean.  
 2695. Surplus in building society and in bank; house poorly furnished.  
 2696. Surplus in savings bank; good home, well furnished.  
 2697. Surplus in building society and savings bank; live well in a good house.  
 2698. Surplus in penny bank; good house, comfortably furnished.  
 2699. Surplus on hand; small, comfortable home.  
 2700. Accounts balance; small but good home, well furnished.  
 2701. Surplus in bank; good home, well furnished; good garden.  
 2702. Surplus on hand; good house, comfortably furnished.  
 2703. In debt; steady, sober man, but in poor health.  
 2704. Accounts balance; good, comfortable house.  
 2705. Surplus in bank; good, well furnished house.  
 2706. Accounts balance; small house, poorly furnished.  
 2707. Surplus on hand; good house, comfortably furnished.  
 2708. Surplus on hand; good home, comfortably furnished.  
 2709. Surplus on hand; good house, comfortably furnished.  
 2710. Accounts balance; made \$24.33 by starting a watch club.  
 2711. Surplus in savings bank; good home.  
 2712. Accounts balance; house comfortably furnished.  
 2713. Surplus in penny bank; good, well furnished house.  
 2714. Accounts balance; good, well furnished house.  
 2715. Surplus in bank; home very good.  
 2716. Surplus in savings bank; good house, in every respect comfortable.  
 2717. Surplus in penny savings bank; company house, small but clean.  
 2718. Surplus on hand; house comfortably furnished; chickens.  
 2719. Surplus on hand; small brick house, comfortably furnished.  
 2720. Surplus on hand; good home, well furnished.  
 2721. Surplus on hand; good home.  
 2722. Surplus in bank; large, well furnished house; two of family blind.  
 2723. Surplus in savings bank; good house, well furnished.  
 2724. Surplus invested in pigs; good home, well furnished; three hogs.  
 2725. Surplus in penny bank; good home, comfortably furnished.  
 2726. Surplus on hand; good home, comfortably furnished.  
 2727. Surplus in cooperative society; good home, comfortably furnished.  
 2728. Surplus in post office and penny bank; good house, well furnished, in good locality.  
 2729. In debt; good house, comfortably furnished.  
 2730. Surplus on hand; poor house, comfortably furnished.  
 2731. Surplus in savings bank; poor house, not well furnished.  
 2732. Surplus in savings bank; good house, comfortably furnished.  
 2733. Surplus in building society; small, well furnished home.  
 2734. Surplus on hand; small, neat house, comfortably furnished.  
 2735. Surplus on hand; good, well furnished house.  
 2736. Accounts balance; house uncomfortably furnished.  
 2737. Surplus in building society; good house.

TABLE XIX.—BITUMINOUS COAL: COST OF LIVING, BY FAMILIES—  
Concluded.

## G.—REMARKS—Concluded.

- 2738. Surplus in savings bank; good home.
- 2739. Surplus in bank; good home.
- 2740. Surplus in savings bank; good house, well located.
- 2741. Surplus on hand; good home.
- 2742. Surplus on hand; house very untidy.
- 2743. Surplus on hand; rooms neatly furnished.
- 2744. Surplus on hand; house poorly furnished, but clean.
- 2745. In debt; house poorly furnished.
- 2746. Surplus on hand; rooms untidy; wife and children the same.
- 2747. Surplus on hand; house poorly furnished, but clean.
- 2748. Surplus on hand; house well furnished.
- 2749. Surplus in savings bank; rooms well furnished.
- 2750. Surplus in bank; good home.
- 2751. Surplus in bank; good home, well furnished.
- 2752. Accounts balance; house poorly furnished.
- 2753. Surplus on hand.
- 2754. Accounts balance; good, comfortable house.
- 2755. Accounts balance; good house, poorly furnished.
- 2756. Surplus in bank; good, well furnished house.
- 2757. Surplus in savings bank; good home, comfortably furnished.
- 2758. Accounts balance; small, comfortably furnished house.
- 2759. Surplus in bank; good house, comfortably furnished.
- 2760. Surplus in savings bank; good house, comfortably furnished.
- 2761. Surplus on hand; small house, poorly furnished.
- 2762. In debt; a good, comfortable home.
- 2763. In debt; man works regularly, but gambles; drinks some.
- 2764. Surplus on hand; good house, well furnished.
- 2765. Surplus on hand; house fairly furnished; family happy and contented.
- 2766. Surplus in savings bank; small house, well furnished; family industrious.
- 2767. Accounts balance; house fairly well furnished; a goodly sum spent for drink.
- 2768. Surplus on hand; house fairly furnished; man very intemperate.
- 2769. Surplus in savings bank; house well furnished; everything neat and clean.
- 2770. Surplus in savings bank; nice house, well furnished.
- 2771. Surplus in savings bank; nice house, well furnished and clean.
- 2772. Surplus on hand; good house, well furnished.
- 2773. In debt; small house, fairly well furnished.
- 2774. Surplus on hand; small house.
- 2775. In debt; small house, fairly furnished.
- 2776. Surplus in savings bank; house clean and well furnished.
- 2777. In debt; good house, fairly well furnished.
- 2778. Surplus in bank; live very comfortably.
- 2779. Surplus on hand; good house, well furnished.
- 2780. Surplus on hand; good house, well furnished; garden.
- 2781. Surplus in savings bank; house well furnished; garden.
- 2782. Surplus on hand; house well furnished; garden.
- 2783. In debt; good house; garden.
- 2784. Accounts balance; house fairly well furnished; good garden.
- 2785. Surplus on hand; house fairly furnished; garden.
- 2786. Surplus on hand; house well furnished; man above the average in intelligence.
- 2787. Surplus on hand; house well furnished; good garden.
- 2788. In debt; good garden.
- 2789. In debt; house clean and well furnished; garden.
- 2790. Surplus in savings bank; small house; garden.
- 2791. Surplus in savings bank; house well furnished; garden.
- 2792. Surplus on hand; house fairly well furnished; garden.
- 2793. Surplus in savings bank; good house; garden.
- 2794. In debt; good house; garden.
- 2795. Surplus on hand; house poorly furnished.
- 2796. Surplus on hand; nice house, well furnished; good garden.
- 2797. Surplus in bank.
- 2798. Surplus in savings bank; good house; small garden.

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES.

## A.—DESCRIPTION OF THE FAMILY.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Hnsband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2799	Alabama....	American.	Mason.....	Home.....						2
2800	do.....	American.	Drawer.....	Home.....			5			7
2801	do.....	American.	Drawer.....	Home.....					3	5
2802	do.....	American.	Drawer and fallman.	Home.....						2
2803	do.....	American.	Drawer.....	Home.....		1				3
2804	do.....	American.	Iron wringer and leveller.	Home.....						2
2805	do.....	American.	Drawer.....	Home.....						2
2806	do.....	American.	Drawer and incline- man.	Home.....			2			4
2807	do.....	American.	Forker.....	Home.....						2
2808	do.....	American.	Drawer.....	Home.....			2			4
2809	do.....	American.	Drawer and leveller	Home.....			2	1		6
2810	do.....	American.	Drawer.....	Home.....	1	2			2	7
2811	do.....	American.	Driver and track layer.	Home.....		1				3
2812	do.....	American.	Charger and dauber.	Home.....					1	3
2813	do.....	American.	Drawer.....	Home.....	1	1	1			5
2814	do.....	American.	Drawer.....	Home.....			4			5
2815	do.....	American.	Drawer.....	Home.....		1	1	1		5
2816	do.....	American.	Drawer.....	Home.....		2				4
2817	do.....	American.	Leveller.....	Home.....						2
2818	do.....	American.	Leveller.....	Home.....	3	2		1		8
2819	do.....	American.	Leveller.....	Home.....		2				4
2820	do.....	American.	Loader.....	Home.....			1	1		4
2821	do.....	American.	Loader.....	Home.....					3	5
2822	do.....	American.	Loader.....	Home.....			4			6
2823	do.....	American.	Charger.....	Home.....						2
2824	do.....	American.	Charger.....	Home.....					1	3
2825	do.....	American.	Charger.....	Home.....			1	2		5
2826	do.....	American.	Driver, boss.....	Home.....		1	1			4
2827	do.....	American.	Foreman, assistant..	Home.....	2					4
2828	do.....	American.	Laborer.....	Home.....	1	1		2		6
2829	Pennsylv'ia.	American.	Laborer.....	Home.....			1			3
2830	do.....	American.	Drawer.....	Home.....			3			4
2831	do.....	American.	Drawer.....	Home.....						2
2832	do.....	American.	Drawer.....	Home.....			3			5
2833	do.....	American.	Drawer.....	Home.....		2				4
2834	do.....	American.	Leveller.....	Home.....			2			4
2835	do.....	American.	Drawer.....	Home.....						2
2836	do.....	American.	Foreman.....	Home.....			1			3
2837	do.....	American.	Leveller.....	Home.....			2			4
2838	do.....	American.	Drawer.....	Home.....		4	2			8
2839	do.....	American.	Carpenter.....	Home.....		1	2			5
2840	do.....	American.	Tippleman.....	Home.....		2	1			5
2841	do.....	American.	Drawer.....	Home.....		1	2			5
2842	do.....	American.	Laborer.....	Home.....			1	2		5
2843	do.....	American.	Foreman.....	Home.....	1	4	2			9
2844	do.....	American.	Leveller.....	Home.....		1	3			6
2845	do.....	American.	Drawer.....	Home.....		2	2			6
2846	do.....	American.	Drawer.....	Home.....						2
2847	do.....	American.	Laborer.....	Home.....		3				5
2848	do.....	American.	Drawer.....	Home.....		3				5
2849	do.....	American.	Foreman.....	Home.....			2	2		6
2850	do.....	American.	Leveller.....	Home.....						2
2851	do.....	American.	Drawer.....	Home.....		3	1			6
2852	do.....	American.	Leveller.....	Home.....		1			1	4
2853	do.....	American.	Drawer.....	Home.....		3	3			8
2854	do.....	American.	Drawer.....	Home.....		4				6
2855	do.....	American.	Drawer.....	Home.....		2	1	1		6
2856	do.....	American.	Leveller.....	Home.....		4				6
2857	do.....	American.	Leveller.....	Home.....			2			4
2858	do.....	American.	Carpenter.....	Home.....		2	2			6
2859	do.....	American.	Drawer.....	Home.....		2	1			5
2860	do.....	American.	Drawer and leveller.	Home.....			3	3		8
2861	do.....	American.	Drawer.....	Home.....						2
2862	do.....	American.	Drawer.....	Home.....						2
2863	do.....	American.	Charger and leveller.	Home.....			2			4
2864	do.....	American.	Drawer.....	Home.....		5	2			9
2865	do.....	American.	Charger.....	Home.....			1			3
2866	do.....	American.	Forker.....	Home.....			1			3
2867	do.....	American.	Foreman, assistant..	Home.....		3	2			7
2868	do.....	American.	Laborer.....	Home.....			2			4



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget num. ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Hnsband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2869	Pennsylvania.	American.	Forker	Home		3			2	7
2870	do	American.	Forker	Home		4	3			9
2871	do	American.	Loader	Home		3	2			7
2872	do	American.	Drawer	Home			3			5
2873	do	American.	Laborer	Home						2
2874	do	American.	Yardmaster	Home		2	2			6
2875	do	American.	Drawer	Home			1		1	4
2876	do	American.	Drawer	Home						2
2877	do	American.	Drawer	Home		1	2			5
2878	do	American.	Drawer	Home		1	2			5
2879	do	American.	Drawer	Home		3				5
2880	do	American.	Leveller	Home		2	2			6
2881	do	American.	Forker	Home						-2
2882	do	American.	Drawer	Home		2				4
2883	do	American.	Forker	Home		2	1			5
2884	do	American.	Drawer	Home	1	1	1			5
2885	do	English.	Laborer	Home	1		1			4
2886	do	English.	Charger	Home		1				3
2887	do	English.	Forker	Home						2
2888	do	English.	Miner	Home	2	3	3			10
2889	do	English.	Leveller	Home						2
2890	do	English.	Drawer	Home		2	1			5
2891	do	English.	Drawer	Home		3	1			6
2892	do	English.	Leveller	Home		2	1			5
2893	do	English.	Drawer	Home		1	3			6
2894	do	English.	Drawer	Home		2	5			9
2895	do	English.	Leveller	Home		5	3			10
2896	do	English.	Charger and drawer.	Home		3	2			7
2897	do	English.	Charger	Home	1				1	4
2898	do	English.	Charger	Home					1	3
2899	do	English.	Drawer	Home			2			4
2900	do	English.	Pumpman	Home			1			2
2901	do	English.	Forker	Home		1	2			5
2902	do	English.	Drawer	Home						2
2903	do	English.	Laborer	Home		2				4
2904	do	French.	Drawer	Home						2
2905	do	French.	Drawer	Home		1	2			5
2906	do	French.	Drawer	Home		2				4
2907	do	German.	Drawer	Home			1			3
2908	do	German.	Drawer	Home			3	2		7
2909	do	German.	Leveller	Home						2
2910	do	German.	Drawer	Home		2	4			8
2911	do	German.	Leveller	Home			1		1	4
2912	do	German.	Drawer	Home			1			3
2913	do	German.	Drawer	Home	1	2				5
2914	do	German.	Charger	Home		3	1			6
2915	do	German.	Drawer	Home		3	2		1	8
2916	do	German.	Charger	Home						2
2917	do	German.	Leveller	Home						2
2918	do	German.	Charger	Home		1	3			6
2919	do	German.	Drawer	Home		2	1			5
2920	do	German.	Laborer	Home			3			5
2921	do	German.	Pitman	Home		1	2			5
2922	do	German.	Pitman	Home			1			3
2923	do	German.	Miner	Home						2
2924	do	German.	Leveller	Home			2			4
2925	do	German.	Drawer	Home			1			3
2926	do	German.	Drawer	Home		2				4
2927	do	German.	Laborer	Home						2
2928	do	German.	Drawer	Home			1	1		4
2929	do	German.	Drawer	Home		1	3			6
2930	do	German.	Drawer	Home		2				4
2931	do	German.	Drawer	Home						2
2932	do	German.	Leveller	Home		1	1			4
2933	do	German.	Drawer	Home			2			4
2934	do	German.	Leveller	Home			1		2	5
2935	do	German.	Drawer	Home			1			3
2936	do	German.	Leveller	Home			1	2		5
2937	do	German.	Yardmaster	Home		3	1			6
2938	do	German.	Drawer	Home					1	3
2939	do	German.	Drawer	Home	1	4	3			10
2940	do	German.	Forker	Home	2					4
2941	do	German.	Foreman	Home			4			6

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Budget num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Hnsband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
2942	Pennsylvania.	German...	Forker...	Home		3	2			7
2943	do	German...	Forker...	Home		2	1			5
2944	do	German...	Drawer	Home			2	1		5
2945	do	Hungarian	Drawer	Home						2
2946	do	Hungarian	Drawer	Home			2			4
2947	do	Hungarian	Drawer	Home			2		8	12
2948	do	Hungarian	Drawer	Home					7	9
2949	do	Hungarian	Drawer	Home			1	1		4
2950	do	Hungarian	Drawer	Home		2				4
2951	do	Irish	Leveller	Home	2	5	2			11
2952	do	Irish	Charger	Home		2				4
2953	do	Irish	Drawer	Home		2				4
2954	do	Irish	Leveller	Home		3	3			8
2955	do	Irish	Drawer	Home		1	2			5
2956	do	Irish	Drawer	Home		1			1	3
2957	do	Irish	Drawer	Home			2	1		5
2958	do	Irish	Drawer	Home			2			4
2959	do	Irish	Drawer	Home	2					4
2960	do	Irish	Blacksmith	Home						2
2961	do	Irish	Loveller	Home			3			5
2962	do	Irish	Drawer	Home			3			5
2963	do	Irish	Drawer	Home	2	2	3			9
2964	do	Irish	Leveller	Home			4			6
2965	do	Irish	Laborer	Home	2		1			4
2966	do	Irish	Drawer	Home		2	2			6
2967	do	Irish	Drawer	Home			3			5
2968	do	Irish	Drawer	Home				2		6
2969	do	Irish	Drawer	Home		4	4		1	11
2970	do	Irish	Drawer	Home		1	2			5
2971	do	Irish	Charger	Home		1	3			6
2972	do	Irish	Drawer	Home		3	1			6
2973	do	Irish	Yardman	Home			4			6
2974	do	Irish	Drawer	Home			3	1		6
2975	do	Irish	Drawer	Home	1			3		6
2976	do	Irish	Drawer	Home		5	1			8
2977	do	Irish	Drawer	Home			1			3
2978	do	Irish	Leveller	Home	2	3	2			9
2979	do	Irish	Laborer	Home						2
2980	do	Irish	Leveller	Home		1				3
2981	do	Irish	Leveller	Home			1	1		4
2982	do	Irish	Leveller	Home		1	4			7
2983	do	Irish	Leveller	Home		3	1			6
2984	do	Irish	Yardmaster	Home		2				4
2985	do	Irish	Engineer	Home						2
2986	do	Irish	Drawer	Home		1	1			4
2987	do	Irish	Drawer	Home	1	1				4
2988	do	Irish	Drawer	Home		2	4			8
2989	do	Irish	Drawer	Home	2		2	3		9
2990	do	Irish	Drawer	Home	1	1	4			8
2991	do	Irish	Drawer	Home			3			5
2992	do	Irish	Drawer	Home	1		5			8
2993	do	Irish	Leveller	Home	3	3				8
2994	do	Irish	Drawer	Home		1				3
2995	do	Italian	Drawer	Home			3			5
2996	do	Italian	Drawer	Home						2
2997	do	Italian	Drawer	Home		2	3			7
2998	do	Italian	Drawer	Home		3	2			7
2999	do	Italian	Drawer	Home						2
3000	do	Polish	Drawer	Home			1			3
3001	do	Polish	Drawer	Home						2
3002	do	Polish	Drawer	Home			1			3
3003	do	Polish	Drawer	Home			1			3
3004	do	Polish	Drawer	Home			2	1		5
3005	do	Polish	Drawer	Home		2	3			7
3006	do	Polish	Drawer	Home			1	2	10	15
3007	do	Polish	Drawer	Home			1	1		4
3008	do	Polish	Charger	Home			1			3
3009	do	Polish	Laborer	Home			2		7	11
3010	do	Polish	Drawer	Home			1			3
3011	do	Polish	Drawer	Home			2			4
3012	do	Polish	Drawer	Home			3			5
3013	do	Polish	Drawer	Home		3				5
3014	do	Scotch	Drawer	Home						2

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Concluded.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total per- sons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
3015	Pennsylvania.	Scotch...	Drawer	Home			2			4
3016	Tennessee	American	Drawer	Home		2	1			5
3017	do	American	Charger	Home						2
3018	do	American	Forker	Home		2	1			5
3019	do	American	Watchman	Home			1		1	4
3020	do	American	Drawer	Home	1		4			7
3021	do	American	Forker	Home			1			3
3022	do	American	Forker	Home			1			3
3023	do	American	Drawer	Home			3		2	7
3024	do	American	Drawer	Home	1	3				6
3025	do	American	Drawer	Home					1	3
3026	do	American	Laborer	Home	1	1	2			6
3027	do	American	Drawer	Home						2
3028	do	American	Drawer	Home		1	1			4
3029	do	American	Forker	Home			4			6
3030	do	American	Drawer	Home			4			6
3031	W. Virginia.	American	Watchman	Home			2			4
3032	do	American	Drawer	Home						2
3033	do	American	Repairer, oven	Home			4			6
3034	do	American	Drawer	Home			1			3
3035	do	American	Drawer	Home		1	2			5
3036	do	American	Drawer	Home			3			5
3037	do	American	Drawer	Home		1	2		1	6
3038	do	American	Drawer	Home	1	2				5
3039	do	American	Engineer, stationary	Home		1	1		2	6
3040	do	American	Drawer	Home	1	3	3			9
3041	do	American	Drawer	Home		1				3
3042	do	American	Drawer	Home			2			4
3043	do	American	Drawer	Home		2	2			6
3044	do	American	Drawer	Home			1			3
3045	do	American	Charger	Home			2			4
3046	do	American	Charger	Home						2
3047	do	American	Charger	Home	1	2	1		2	8
3048	Belgium	Belgian	Foreman	Home	3	2	2			8
3049	do	Belgian	Laborer	Home	3	4	1			10
3050	do	Belgian	Laborer	Home	2					4
3051	do	Belgian	Laborer	Home		3			1	6
3052	Germany	German	Leveller	Home		2	2			6
3053	do	German	Leveller	Home		2	2		3	9
3054	do	German	Coal heaver	Home	2				2	6
3055	do	German	Leveller	Home		2	2			6
3056	do	German	Engineer	Home		2			3	7
3057	do	German	Drawer	Home			1			3
3058	do	German	Gallery cutter	Home			1			3
3059	do	German	Filler	Home	2	2	3	3	1	13
3060	do	German	Drawer	Home			3	1		6
3061	do	German	Wheeler	Home		1	1		2	6
3062	Great Britain	English	Coker	Home						2
3063	do	English	Mason	Home	1					2
3064	do	English	Slasher	Home		1				3
3065	do	English	Laborer	Home			1			2
3066	do	English	Hauler	Home						2
3067	do	English	Coker	Home		1				3
3068	do	English	Slasher	Home		2				4
3069	do	English	Filler	Home			2			4
3070	do	English	Burner	Home		2	1			5
3071	do	English	Stoker	Home		4				6
3072	do	English	Drawer	Home	1	3	1			7
3073	do	English	Burner	Home	1					3
3074	do	Irish	Laborer	Home			1			3
3075	do	Irish	Burner	Home	1	3	2			8
3076	do	Irish	Filler	Home	2	4				8





No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
2869	53	49	16	M.	14	M.	9	M.											
2870	37	35	17	F.	15	F.	14	M.	10	M.	9	M.	4	F.	1	M.			
2871	41	39																	
2872	32	25	5	F.	4	F.	1	F.											
2873	59	52																	
2874	32	28	10	F.	8	M.	4	F.	1	M.									
2875	38	22	1	M.															
2876	38	36																	
2877	29	30	7	M.	3	M.	2	F.											
2878	25	26	8	M.	4	M.	2	F.											
2879	56	30	14	F.	11	F.	8	M.											
2880	36	26	8	F.	7	F.	5	M.	3	F.									
2881	38	37																	
2882	39	36	8	M.	7	F.													
2883	42	41	12	M.	8	M.	5	F.											
2-84	60	58	23	F.	18	F.	16	M.											
2885	61	62	31	F.	25	M.													
2886	47	45	12	M.															
2887	37	33																	
2888	38	38	18	M.	16	M.	14	M.	10	M.	8	F.	6	F.	4	F.	1	M.	
2889	39	40																	
2890	42	41	17	M.	12	F.	8	M.											
2891	40	39	12	M.	10	F.	8	M.	4	M.									
2892	42	40	16	M.	12	F.	8	F.											
2893	40	30	7	M.	5	F.	3	F.	1	F.									
2894	40	46	18	M.	16	M.	14	F.	12	M.	9	M.	6	F.	3	M.			
2895	38	32	14	F.	12	F.	11	F.	10	M.	8	M.	5	M.	2	F.	1	M.	
2896	41	33	10	M.	8	M.	7	F.	4	M.	1	M.							
2897	65	55	20	M.															
2898	40	39																	
2899	25	19	2	F.	1	M.													
2900	59		19	F.															
2901	53	42	19	M.	9	M.	5	M.											
2902	31	33																	
2903	39	42	11	F.	7	F.													
2904	31	33																	
2905	27	25	6	F.	5	F.	1	F.											
2906	40	39	8	M.	7	F.													
2907	22	20	1	F.															
2908	40	32	8	M.	7	M.	5	M.	3	F.	1	F.							
2909	24	23																	
2910	40	57	15	M.	11	M.	9	M.	7	F.	2	M.	1	F.					
2911	34	32	3	F.															
2912	45	32																	
2913	50	50	20	M.	13	M.	10	F.											
2914	37	34	14	F.	12	F.	9	M.	1	M.									
2915	38	37																	
2916	27	33																	
2917	22	16																	
2918	43	28	7	M.	5	F.	3	F.	1	M.									
2919	52	51	16	M.	12	M.	9	M.											
2920	27	25	5	F.	3	F.	1	F.											
2921	33	29	11	M.	5	F.	3	M.											
2922	44	32	3	F.															
2923	42	53																	
2924	26	30	6	M.	1	F.													
2925	26	22	1	F.															
2926	35	32	15	F.	8	M.													
2927	27	20																	
2928	46	32	8	F.	4	M.													
2929	37	38	9	M.	5	F.	3	F.	1	M.									
2930	29	23	9	F.	7	M.													
2931	23	19																	
2932	29	31	8	M.	1	F.													
2933	30	29	4	F.	2	M.													
2934	63	63	27	F.															
2935	26	20	1	M.															
2936	40	39	18	M.	10	F.	8	M.											
2937	32	33	12	F.	7	M.	5	M.	2	M.									
2938	43	41																	





TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## B.—AGE AND SEX—Concluded.

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus- band.	Wife.	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	Age.	Sex	
3010	28	25	5	M.															
3011	29	26	2	M.	1	F.													
3012	25	21	4	F.	2	M.	1	F.											
3013	40	40	10	F.	8	M.	6	F.											
3014	25	20																	
3015	31	21	2	F.															
3016	42	38	10	F.	8	M.	4	M.											1
3017	30	27																	
3018	43	40	12	F.	9	M.	4	M.											
3019	48	24	1	M.															
3020	45	42	20	F.	18	F.	13	M.	8	F.	5	F.							
3021	33	37	9	F.															
3022	36	30	2	F.															
3023	27	27	4	M.	2	F.	1	M.											
3024	46	47	16	M.	14	F.	10	F.	6	M.									
3025	46	23																	
3026	47	45	16	F.	14	M.	9	F.	5	F.									
3027	29	18																	
3028	38	34	12	F.	6	M.													
3029	30	25	8	F.	6	F.	3	F.	1	F.									
3030	38	35	12	F.	10	F.	9	F.	7	F.									
3031	30	31	6	M.	3	F.													
3032	28	26																	
3033	43	40	8	F.	6	M.	4	M.	1	F.									
3034	40	38	6	F.															
3035	48	45	25	F.	23	F.	14	M.											
3036	32	28	7	M.	5	F.	1	F.											
3037	38	37	10	F.	7	M.	5	M.											
3038	40	30	20	M.	18	F.	10	F.											
3039	40	30	8	M.	5	M.													
3040	55	50	24	F.	22	F.	20	M.	15	F.	12	M.	8	M.	6	M.			
3041	40	35	8	M.															
3042	35	34	8	F.	5	F.													
3043	35	32	14	F.	10	F.	7	M.	1	F.									
3044	30	27	2	M.															
3045	30	28	2	F.	1	F.													
3046	50	45																	
3047	55	52	22	F.	17	M.	13	F.	8	F.									
3048	56		27	M.	23	F.	21	F.	18	F.	17	M.	15	M.	13	M.			
3049	47	41	17	M.	15	F.	13	M.	11	F.	9	M.	7	F.	5	F.	2	F.	
3050	42	44	17	M.	15	F.													
3051	40	35	11	F.	9	F.	5	F.											
3052	40	40	10	M.	8	M.	6	F.	3	F.									
3053	34	37	12	M.	10	F.	4	F.	2	M.									
3054	49	49	23	F.	20	F.													
3055	39	40	9	F.	6	F.	4	M.	1	F.									
3056	29	50	8	F.	6	F.													
3057	30	28	1	F.															
3058	64	62	23	F.															
3059	48	38	19	M.	17	M.	15	F.	14	F.	13	M.	10	F.	7	F.	5	M.	2
3060	32	35	8	F.	5	M.	4	M.	1	M.									
3061	40	40	6	M.	3	M.													
3062	36	38																	
3063	50		17	F.															
3064	37	37	12	F.															
3065	51		20	F.															
3066	19	18																	
3067	42	41	14	F.															
3068	40	39	12	M.	6	F.													
3069	27	26	3	M.	1	M.													
3070	40	30	5	F.	3	F.	1	M.											
3071	30	28	12	M.	10	F.	8	F.	4	M.									
3072	37	38	16	F.	14	M.	10	M.	7	F.	5	F.							
3073	51	49	18	F.															
3074	49	47	18	F.															
3075	40	40	18	M.	14	F.	11	M.	7	F.	5	M.	3	F.					
3076	54	51	20	M.	17	M.	13	F.	10	M.	7	M.	4	F.					

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME.

Bud- get num- ber.	Own house.	Income from—					
		Occupation of—			Board and lodging.	Other sources.	Total.
		Husband.	Wife.	Children.			
2799	No.....	\$930.10				\$80.00	\$1,010.10
2800	No.....	450.00				30.00	480.00
2801	No.....	450.00				40.00	490.00
2802	No.....	325.00				30.00	355.00
2803	No.....	480.00					480.00
2804	No.....	439.10					439.10
2805	No.....	385.75					385.75
2806	No.....	275.00				36.00	311.00
2807	No.....	295.00					295.00
2808	No.....	365.00					365.00
2809	No.....	392.77					392.77
2810	No.....	265.00		\$40.00	\$240.00		545.00
2811	No.....	296.00				75.00	371.00
2812	No.....	775.90					775.90
2813	No.....	420.00		120.00			540.00
2814	No.....	750.00					750.00
2815	No.....	540.25					540.25
2816	No.....	400.00					400.00
2817	No.....	375.50				30.00	405.50
2818	No.....	520.00		440.00			960.00
2819	No.....	500.00					500.00
2820	No.....	395.50					395.50
2821	Yes.....	480.00			360.00		840.00
2822	Yes.....	300.00				40.00	340.00
2823	No.....	420.00					420.00
2824	No.....	520.00					520.00
2825	No.....	460.00					460.00
2826	No.....	720.00					720.00
2827	No.....	600.00		370.00			970.00
2828	No.....	336.00		210.00		60.00	606.00
2829	No.....	310.00					310.00
2830	No.....	760.00					760.00
2831	No.....	400.00					400.00
2832	No.....	395.00					395.00
2833	No.....	060.00					660.00
2834	No.....	600.00					600.00
2835	No.....	500.00					500.00
2836	No.....	720.00					720.00
2837	No.....	540.00				10.00	550.00
2838	No.....	540.00					540.00
2839	Yes.....	600.00					600.00
2840	No.....	540.00					540.00
2841	No.....	540.00					540.00
2842	No.....	540.00					540.00
2843	No.....	900.00		280.40			1,180.40
2844	No.....	1,080.00					1,080.00
2845	No.....	480.00					480.00
2846	Yes.....	456.00					456.00
2847	No.....	525.00					525.00
2848	No.....	610.00					610.00
2849	Yes.....	1,200.00				450.00	1,650.00
2850	Yes.....	600.00					600.00
2851	Yes.....	555.00				47.00	602.00
2852	No.....	600.00			18.00		618.00
2853	Yes.....	510.00					510.00
2854	No.....	700.00					700.00
2855	No.....	900.00					900.00
2856	No.....	624.00					624.00
2857	No.....	480.00					480.00
2858	Yes.....	420.00					420.00
2859	No.....	480.00					480.00
2860	No.....	585.00					585.00
2861	No.....	412.00					412.00
2862	No.....	545.00				27.50	572.50
2863	No.....	385.00					385.00
2864	No.....	540.00					540.00
2865	No.....	480.00					480.00
2866	Yes.....	375.00					375.00
2867	No.....	696.00				50.00	740.00
2868	No.....	420.00					420.00
2869	No.....	525.00			384.00		909.00
2870	No.....	500.00					500.00
2871	No.....	540.00					540.00
2872	No.....	648.00					648.00
2873	Yes.....	480.00				147.00	627.00

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
2874	No.....	\$600.00					\$600.00
2875	Yes.....	510.00				\$78.00	588.00
2876	No.....	384.00					384.00
2877	No.....	500.00					500.00
2878	No.....	463.00					463.00
2879	Yes.....	612.00					612.00
2880	No.....	600.00					600.00
2881	No.....	540.00					540.00
2882	No.....	550.00					550.00
2883	No.....	515.00					515.00
2884	Yes.....	500.00		\$334.00			834.00
2885	Yes.....	288.00		192.00			480.00
2886	No.....	480.00					480.00
2887	No.....	500.00					500.00
2888	No.....	500.00		450.00			950.00
2889	No.....	480.00					480.00
2890	No.....	720.00					720.00
2891	No.....	620.00					620.00
2892	No.....	696.00					696.00
2893	Yes.....	600.00					600.00
2894	No.....	1,000.00					1,000.00
2895	No.....	480.00					480.00
2896	Yes.....	650.00					650.00
2897	No.....	240.00		350.00			590.00
2898	No.....	456.00					456.00
2899	No.....	525.00					525.00
2900	No.....	475.00					475.00
2901	No.....	360.00					360.00
2902	No.....	576.00					576.00
2903	No.....	420.00					420.00
2904	No.....	540.00					540.00
2905	No.....	600.00					600.00
2906	No.....	504.00					504.00
2907	No.....	504.00					504.00
2908	No.....	510.00					510.00
2909	No.....	495.00					495.00
2910	No.....	950.00					950.00
2911	No.....	597.00					597.00
2912	No.....	400.00					400.00
2913	No.....	600.00		192.00			792.00
2914	No.....	570.00					570.00
2915	No.....	460.00			\$192.00		652.00
2916	No.....	612.00					612.00
2917	No.....	450.00					450.00
2918	No.....	495.00					495.00
2919	No.....	660.00					660.00
2920	No.....	500.00					500.00
2921	No.....	600.00					600.00
2922	No.....	480.00					480.00
2923	No.....	480.00					480.00
2924	No.....	435.00					435.00
2925	No.....	540.00					540.00
2926	No.....	550.00					550.00
2927	No.....	576.00					576.00
2928	No.....	480.00					480.00
2929	No.....	540.00					540.00
2930	No.....	840.00					840.00
2931	No.....	540.00					540.00
2932	Yes.....	960.00					960.00
2933	No.....	512.00					512.00
2934	Yes.....	500.00					500.00
2935	No.....	516.00					516.00
2936	No.....	720.00					720.00
2937	Yes.....	720.00					720.00
2938	Yes.....	547.50					547.50
2939	No.....	350.00		75.00		35.00	460.00
2940	Yes.....	272.00		550.00			822.00
2941	No.....	840.00				35.00	875.00
2942	No.....	720.00					720.00
2943	No.....	520.00					520.00
2944	No.....	491.00					491.00
2945	No.....	360.00					360.00
2946	No.....	600.00					600.00
2947	No.....	400.00			368.00		768.00
2948	No.....	435.00			616.00		1,051.00



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					
		Occupation of—			Board and lodging.	Other sources.	Total.
		Husband.	Wife.	Children.			
2949	No.....	\$483.00					
2950	No.....	420.00					\$483.00
2951	No.....	650.00		\$100.00			420.00
2952	No.....	540.00					1,050.00
2953	No.....	600.00					540.00
2954	No.....	650.00					600.00
2955	No.....	600.00					650.00
29 6	No.....	612.00					600.00
2957	No.....	465.00					612.00
2958	No.....	645.00					465.00
2959	No.....	300.00		384.00			645.00
2960	No.....	660.00					684.00
2961	No.....	550.00					660.00
2962	No.....	550.00					550.00
2963	No.....	560.00		384.00			550.00
2964	No.....	600.00					944.00
2965	No.....	340.00		600.00		\$48.00	600.00
2966	No.....	394.00					988.00
2967	No.....	500.00					394.00
2968	No.....	550.00					500.00
2969	No.....	415.00			\$192.00		550.00
2970	No.....	679.00				95.00	607.00
2971	No.....	405.00					775.00
2972	No.....	400.00					405.00
2973	No.....	550.00					400.00
2974	No.....	456.00					550.00
2975	No.....	600.00		180.00			456.00
2976	Yes.....	540.00					780.00
2977	Yes.....	550.00					540.00
2978	No.....	450.00		375.00			550.00
2979	No.....	480.00					825.00
2980	No.....	600.00					480.00
2981	Yes.....	552.00					600.00
2982	No.....	1,080.00					552.00
2983	No.....	1,080.00					1,080.00
2984	No.....	780.00					1,080.00
2985	No.....	780.00					780.00
2986	No.....	600.00					780.00
2987	No.....	615.50		85.00			600.00
2988	No.....	1,060.00					700.50
2989	No.....	960.00		712.00			1,060.00
2990	Yes.....	565.00		360.00			1,672.00
2991	No.....	480.00					925.00
2992	Yes.....	485.00		375.00			480.00
2993	Yes.....	400.00		648.00			860.00
2994	Yes.....	480.00					1,048.00
2995	No.....	940.00					480.00
2996	No.....	375.00					940.00
2997	No.....	550.00					375.00
2998	No.....	660.00					550.00
2999	No.....	550.00					660.00
3000	No.....	400.00					550.00
3001	No.....	500.00					400.00
3002	No.....	465.00					500.00
3003	No.....	720.00					465.00
3004	No.....	600.00					720.00
3005	No.....	665.00					600.00
3006	No.....	600.00					710.00
3007	No.....	530.00			480.00		1,080.00
3008	No.....	600.00					530.00
3009	No.....	420.00			672.00		600.00
3010	No.....	500.00					1,092.00
3011	No.....	600.00					500.00
3012	No.....	565.00					600.00
3013	No.....	580.00					565.00
3014	No.....	480.00					580.00
3015	No.....	415.00					480.00
3016	No.....	247.80				25.00	415.00
3017	No.....	195.00					272.80
3018	No.....	236.00					195.00
3019	No.....	310.00					236.00
3020	Yes.....	300.00		40.50			310.00
3021	No.....	175.00					340.50
3022	No.....	197.50					175.00
3023	No.....	250.00				50.00	197.50
							300.00

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Concluded.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
3024	Yes.....	\$185.00		\$60.00			\$245.00
3025	No.....	175.00				\$25.00	200.00
3026	Yes.....	200.00		50.00			250.00
3027	No.....	230.00					250.00
3028	No.....	198.75					198.75
3029	No.....	225.00					225.00
3030	No.....	178.75				30.00	208.75
3031	No.....	303.60					393.60
3032	No.....	380.00					380.00
3033	No.....	437.00					437.00
3034	No.....	360.00					360.00
3035	No.....	380.00					380.00
3036	No.....	342.00					342.00
3037	No.....	409.75			\$25.00		434.75
3038	No.....	360.00		100.00			460.00
3039	No.....	315.00			100.00		415.00
3040	No.....	390.00		100.00			490.00
3041	No.....	315.00				40.00	355.00
3042	No.....	375.00					375.00
3043	No.....	366.00					366.00
3044	No.....	340.00					340.00
3045	Yes.....	390.00					390.00
3046	No.....	400.00					400.00
3047	No.....	325.00		100.00	150.00		575.00
3048	Yes.....	239.50		317.29			606.79
3049	No.....	188.18		275.03			463.21
3050	No.....	127.88		140.50			267.88
3051	No.....	175.15					175.15
3052	No.....	285.60					285.60
3053	No.....	257.04			68.54		325.58
3054	No.....	228.48		202.30	222.77		653.55
3055	No.....	342.72					342.72
3056	No.....	342.72			205.63		548.35
3057	No.....	285.60					285.60
3058	No.....	257.04					257.04
3059	No.....	228.48		359.86		47.60	635.94
3060	No.....	271.32					271.32
3061	No.....	238.00			51.41		289.41
3062	No.....	295.15					295.15
3063	No.....	340.80		60.83			401.73
3064	No.....	328.37					328.37
3065	No.....	192.23					192.23
3066	No.....	224.35					224.35
3067	No.....	292.72					292.72
3068	No.....	340.80					340.80
3069	No.....	253.05					253.05
3070	No.....	468.16					468.16
3071	No.....	379.50					379.50
3072	No.....	389.32		63.26			452.58
3073	No.....	389.32		97.33			486.65
3074	No.....	188.82					188.82
3075	No.....	370.59		233.59			604.18
3076	No.....	370.59		389.32			759.91

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)

[For continuation of expenditures of these families, see page 1111, *et seq.*]

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2799		\$20.00		\$30.00					50	\$6.25		
2800		30.00		25.00		\$30.00	60	\$12.00	200	20.00	50	\$15.00
2801		18.00				35.00	40	6.00	200	20.00	30	10.80
2802		10.00		10.00		12.00	20	4.00	90	11.25	6	1.50
2803		16.00				40.00	30	6.00	125	10.50		
2804		20.00		21.00			20	3.00	60	7.50	2	.60
2805		40.00		8.00			20	3.60	50	6.25	4	1.00
2806		25.00				15.00	30	6.00	60	8.50	4	1.00
2807		9.00		18.00		6.00	12	2.40	98	12.30	4	1.00
2808		10.00		15.00		25.00	30	6.00	90	11.25	4	1.00
2809		15.00		22.00		6.00	30	6.00	100	12.50	14	3.50
2810		30.00		25.00		30.00	60	12.00	150	15.00	20	6.00
2811		10.00		21.00			20	3.00	100	12.50	13	4.25
2812		18.00		21.00		14.00	20	4.00	80	8.00		
2813		24.00		12.00		20.00	20	4.00	130	13.00	10	3.00
2814		20.00		20.00		5.00	30	6.00	150	15.00	50	12.50
2815		20.00		15.00		10.00	30	6.00	120	12.00	15	3.75
2816		20.00		15.00		6.00	20	4.00	120	12.00	3	1.50
2817		25.00		10.00		5.00	30	6.00	150	15.00	20	5.00
2818		20.00		12.00		34.00	30	6.00	150	15.00		
2819		20.00		45.00			30	4.50	200	20.00	20	6.00
2820		18.00		18.00		6.00	30	6.00	160	16.00		
2821		50.00		25.00		15.00			150	15.00	100	25.00
2822		10.00		38.00		6.00			125	10.25		
2823		24.00		30.00			20	3.00	160	16.00	10	2.50
2824		18.00		10.00		25.00	12	1.80	160	16.00	12	3.00
2825		25.00		12.00		6.00	40	8.00	120	12.00	4	1.00
2826				63.25					120	15.00		
2827		40.00		35.00			60	12.00	200	20.00	40	10.00
2828		30.00		40.00		4.00	20	4.00	125	12.50	15	3.75
2829					291	34.37	45	9.00	35	3.50	100	25.00
2830					625	75.00	208	41.60	200	20.00	160	40.00
2831					402	48.24	130	26.00	60	6.00	110	30.00
2832					500	60.00	144	28.80	62	6.20	118	29.25
2833					659	70.00	50	9.00	90	9.00	123	31.98
2834				10.00	708	85.00		5.00				
2835					525	63.00	50	9.00	60	6.00	104	27.24
2836					400	48.00		2.75	100	10.00	60	15.60
2837					600	72.00		5.50	20	12.00	144	30.00
2838					500	60.00	104	18.72	100	10.00	150	30.00
2839					471	48.00			84	8.40		
2840					490	54.00			60	6.00	136	27.20
2841					500	55.00			60	6.00	104	20.80
2842					541	65.00	108	19.44	52	5.20	170	24.00
2843				60.00	208	23.00		7.00				
2844				45.00	312	38.00		10.00				
2845					700	84.00	65	13.00	38	3.80	200	50.00
2846					335	38.00		2.80	36	3.60		
2847					500	60.00		0.00	70	7.00	98	24.50
2848					489	54.00	50	10.00	40	4.00	100	25.00
2849					485	60.00	52	10.40	40	4.00	130	32.50
2850					415	52.00	24	4.80			80	20.00
2851				55.00	274	32.00		5.25				
2852				35.00	500	57.00		4.50				
2853				16.00	400	45.00		7.25				
2854					460	50.00	100	18.00	23	2.30	135	35.45
2855					400	48.00			50	5.00	60	16.20
2856					500	55.00		6.00	50	5.00	100	27.00
2857					400	40.00	75	13.50	60	6.00	80	21.00
2858					530	60.00		3.00	50	5.00		
2859					675	80.00	80	12.80			105	41.12
2860				10.00	400	60.00		4.00				
2861					500	60.00	60	9.00	125	12.50	96	19.20
2862					542	65.00	110	17.60	120	12.00	97	19.40
2863					583	70.00	108	19.44	84	8.40	90	18.00
2864					321	38.00	55	9.90	104	10.40	108	21.60
2865					487	51.00			40	4.00	60	15.00
2866				19.00	200	24.00	12	1.92			52	13.00
2867					850	100.00		0.00	70	7.00	208	67.24
2868					400	48.00	31	5.58	42	4.20	100	25.00
2869					542	65.00	250	45.00	85	8.50	200	50.00
2870					500	00.00		0.00	72	7.20	260	05.00
2871					545	65.00	80	12.40	85	8.50	150	37.25
2872					500	59.00	84	15.12	72	7.20	100	25.00



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2873					500	\$66.00	72	\$12.96	50	\$5.00		
2874					800	96.00	104	18.72	100	10.00	192	\$48.00
2875					600	72.00	200	36.00	12	1.20	202	50.50
2876					436	48.00	52	9.36	70	7.00	85	21.25
2877					604	72.50	60	10.80	65	6.50	102	25.50
2878					475	57.00	80	12.40	40	4.00	160	40.00
2879					500	60.00	89	16.02	100	10.00	96	28.80
2880					400	48.00	100	18.00	80	8.00	75	18.75
2881					409	50.00	45	8.10	40	4.00	98	24.25
2882					662	66.24	49	8.82	50	5.00	180	45.00
2883					542	65.00		4.25	100	10.00		
2884					800	96.00	104	18.72	144	14.40	100	25.00
2885					732	87.84	100	20.00	105	10.50	146	36.25
2886					602	71.24	60	10.80	100	10.00	92	23.92
2887					402	48.24			40	4.00	100	26.00
2888					880	97.00			100	10.00	175	35.00
2889					430	47.25	104	16.64	45	4.50	100	20.00
2890					530	63.00	120	24.00	60	6.00	158	39.50
2891					492	57.00	100	18.00	20	2.00	130	35.10
2892					530	63.00	70	12.60			100	27.00
2893					372	36.00		4.75			143	38.60
2894					1,220	145.00	60	10.80	104	10.40	365	90.00
2895					800	80.00	50	9.00			192	51.14
2896					600	72.00	104	18.72	140	14.00	156	21.20
2897			\$15.00		100	12.00		3.00				
2898					473	57.00	36	6.48	60	6.00	48	12.00
2899					400	48.00	52	8.32	86	8.60	102	20.40
2900					312	36.00	12	2.16	41	4.10	100	27.00
2901					450	52.00	104	16.60	60	6.00	90	22.50
2902					400	48.00	30	5.40	40	4.00	50	20.00
2903					500	60.00		3.75	55	5.50	104	25.50
2904						45.00	87	17.40	30	3.00	82	20.50
2905					385	40.00	54	10.80			200	50.00
2906					537	60.00	60	10.80	95	9.50	100	25.00
2907					627	75.25	40	7.20	60	6.00	100	26.00
2908					583	70.00	92	18.40	54	5.40	207	51.75
2909					400	48.00	79	15.80	45	4.50	58	16.00
2910					1,080	121.00		5.20	76	7.60		
2911					423	50.00		6.00	30	3.00	200	50.00
2912					500	60.00	96	19.20	72	7.20	60	15.00
2913					700	82.00			63	6.30	145	36.25
2914					461	49.00			120	12.00	52	15.60
2915					610	73.00	208	41.60	120	12.00	163	41.00
2916					450	54.00	104	20.80	48	4.80	60	15.00
2917					396	47.50	45	9.00	50	5.00	06	24.00
2918					700	84.00	120	24.00	06	9.60	72	18.00
2919					500	60.00	85	15.30	100	10.00	144	37.44
2920					500	55.00	45	8.10	60	6.00	110	22.00
2921					545	60.00	25	4.50	53	5.30	145	29.00
2922					350	42.00	100	18.00	25	2.50	110	22.00
2923					336	37.00	12	1.80	60	6.00	90	18.00
2924					473	52.00	50	9.00	60	6.00	85	17.00
2925					636	70.00	45	8.10	50	5.00	140	28.00
2926					600	66.00	42	5.16	50	5.00	105	21.00
2927					400	44.50	30	5.40	45	4.50	80	16.00
2928					702	77.25	52	9.36	60	6.00	104	20.80
2929					560	67.00	30	6.00	60	6.00	96	24.00
2930					500	56.50	80	16.00	60	6.00	96	24.00
2931					380	46.00		5.00	60	6.00		
2932					655	78.50	40	8.00	50	5.00	168	42.00
2933					385	42.00		3.20	38	3.80	80	21.60
2934				40.00	164	23.00		6.00			96	25.22
2935				20.00	300	36.00	24	4.32	12	1.20	48	12.96
2936					567	68.00	89	16.02	34	3.40	128	34.56
2937					485	60.00	100	18.00	30	3.00	123	33.21
2938					328	37.00	12	2.16	10	1.00	104	26.00
2939				20.00	330	44.00		4.50			50	10.00
2940				18.00	308	37.00	60	10.80			100	20.00
2941					652	80.24	210	58.80	100	10.00	200	56.00
2942					825	98.00		2.00	212	21.20	144	43.20
2943					655	72.00	100	18.00	70	7.00	160	40.00
2944					500	60.00	25	4.50	50	5.00	200	50.00
2945					367	44.00	47	9.40	54	5.40	72	18.00
2946					380	46.00	104	20.80	52	5.20	85	21.25

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
2947					433	\$18.00			27	\$2.70	100	\$27.00
2948					295	29.00	35	\$5.58	20	2.00	85	22.95
2949					415	48.00	40	7.20			85	21.25
2950					809	97.00	40	7.20			100	25.00
2951					700	84.00	120	24.00	154	15.40	480	120.00
2952					489	53.00	87	17.40	45	4.50	160	40.00
2953					475	50.00	30	6.00	50	5.00	98	24.50
2954						72.00		4.00	120	12.00		
2955					489	55.00		6.25	75	7.50	135	33.75
2956					400	48.00	48	9.60	65	6.50	96	24.00
2957					700	84.00		6.00	50	5.00	65	19.50
2958					508	61.00	110	22.00	70	7.00	145	38.25
2959					742	89.00	120	24.00	80	8.00	96	24.00
2960					500	60.00	60	12.00			120	30.00
2961					500	60.00	104	20.80	48	4.80		
2962					730	84.00		5.40	60	6.00	156	39.00
2963					1,019	122.00	260	52.00	100	12.00	415	103.75
2964					542	65.00	87	17.40	62	6.20	140	35.00
2965					900	108.00	60	12.00	85	8.50		
2966					571	67.24	100	20.00			104	26.00
2967					500	60.00	70	14.00	40	4.00	96	28.00
2968					608	73.00	103	20.60	96	9.60	96	24.00
2969					630	75.00	200	40.00	93	9.30	214	72.00
2970					409	58.00		3.00	60	6.00		
2971					400	48.00	85	17.00	100	10.00	102	25.25
2972					700	84.00		4.00	48	4.80		
2973					600	66.00	104	18.72	75	7.50	160	22.00
2974					490	45.00	90	13.50	52	5.20	104	20.80
2975					845	93.00		5.75	60	6.00	156	31.20
2976					1,000	120.00	156	24.96	96	9.60		
2977					545	60.00	100	18.00	60	6.00		
2978					858	103.00		8.00	75	7.50	260	52.00
2979					400	48.00		5.00	60	6.00	60	12.00
2980					520	62.50		5.75	60	6.00	96	19.20
2981					990	100.00	102	16.32	50	5.00	131	26.20
2982					715	84.00	250	37.50			100	25.00
2983					705	83.00	210	42.00	70	7.00		
2984					538	64.00		3.00				
2985					400	48.00	55	11.00	20	2.00	120	25.50
2986					420	50.00	18	3.60	36	3.60	60	15.00
2987					510	59.00		3.25	21	2.10	96	25.22
2988					1,208	145.00		8.50				
2989					500	60.00	416	74.88	144	14.40	288	77.76
2990					1,200	144.00			52	5.20		
2991					600	72.00	40	8.00	36	3.60	96	25.22
2992					1,200	144.00	115	23.00			365	141.25
2993					1,407	165.00		10.00				
2994					800	93.00		6.00				
2995					423	40.00			25	2.50	102	25.50
2996					300	35.00	30	6.00	40	4.00	60	15.00
2997					500	60.00		8.25	40	4.00	140	35.00
2998					658	78.00	128	25.60	38	3.80	180	44.00
2999					356	40.00	45	9.00			68	17.00
3000					400	41.00	62	12.40	45	4.50	80	20.00
3001					300	32.00	30	6.00			65	16.25
3002					400	40.00	45	9.00	40	4.00	96	24.00
3003					400	48.00			35	3.50	100	25.00
3004					410	47.00			92	9.20	97	24.25
3005				\$6.00	608	72.00		7.00				
3006					411	40.00	40	8.00			80	20.00
3007					400	45.25	72	14.40	24	2.40	80	20.00
3008					420	50.00	36	7.20	48	4.80	48	12.00
3009					400	40.00	52	10.40			91	22.75
3010					392	45.00	52	10.40	20	2.00	100	25.00
3011					490	50.00	60	12.00			00	22.50
3012					400	41.50	49	9.80			87	21.75
3013					400	48.00	78	15.60	50	5.00	70	15.50
3014					485	58.00	83	14.94	96	9.60	120	30.60
3015					608	82.00	50	10.00	120	12.00	48	12.00
3016					580	48.33		6.50				13.20
3017					420	33.00					48	9.60
3018					600	50.00		2.00				8.40
3019					576	48.00		7.20				15.00

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Concluded.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
3020					720	\$60.00		\$8.50				\$19.20
3021					336	28.00						
3022					288	24.00		7.50				10.00
3023					720	60.00						12.50
3024					580	48.50		6.00				14.40
3025					540	45.00						14.40
3026					650	53.00		8.50				15.00
3027					432	36.00		3.00				8.00
3028					540	44.00						
3029					528	44.00						
3030					600	50.00		3.50				3.60
3031					500	50.00		10.00				13.25
3032					385	38.50		4.20				13.80
3033					600	60.00		3.80				
3034					500	50.00		14.40				8.60
3035					480	48.00		2.50				15.50
3036					520	52.00		4.00				13.00
3037					600	60.00		14.40				16.50
3038					650	65.00						20.00
3039					500	50.00		15.00				
3040					700	70.00		5.00				24.00
3041					450	45.00		13.50				12.50
3042					400	40.00						15.50
3043					550	55.00						15.00
3044					350	35.00						
3045					400	40.00						10.00
3046					280	28.00						8.50
3047					800	80.00		30.00				25.00
3048						60.22		5.02			224	60.22
3049						32.81		4.63			205	55.58
3050						37.06		5.02			214	28.95
3051						30.11		9.26			228	30.88
3052						14.28						22.85
3053						23.80						22.61
3054						142.80						42.84
3055						28.56						17.14
3056						102.82						42.84
3057						27.61						7.14
3058						25.70						11.90
3059						85.68						47.60
3060						42.84						5.95
3061						59.50						17.14
3062				\$9.49		50.61		6.33	26	\$3.16	52	12.65
3063				12.65		50.62		6.33			52	12.65
3064				12.65		50.61		6.33	26	3.16	52	12.65
3065				12.05		31.63			20	2.43	52	12.65
3066						37.96			20	2.43	52	12.65
3067				12.65		44.29		6.33	26	3.16	52	12.65
3068				18.98		50.61			26	3.16	78	18.98
3069				7.90		50.61		6.33	48	5.84	45	10.95
3070				12.65		75.92		6.33	52	6.33	52	12.65
3071				12.65		63.26		6.33	52	6.33	52	12.65
3072				8.44		63.26		6.33	52	6.33	78	18.98
3073				12.65		50.61		12.65	52	6.33	52	12.65
3074												
3075				19.47		79.08		14.60	90	10.95	75	18.25
3076				31.63		113.88		25.31	52	6.33	104	25.31



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)

[For conclusion of expenditures of these families, see page 1115, *et seq.*]

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2799	2	\$1.00	50	\$12.50	120	\$12.00	---	---	3	\$3.00	---	---	---
2800	24	12.00	---	---	300	30.00	3	\$2.10	16	16.00	---	---	\$7.50
2801	6	3.00	12	3.00	200	20.00	6	3.00	3	3.00	---	---	---
2802	---	---	14	3.50	160	16.00	3	1.80	2	2.00	---	---	---
2803	---	---	14	3.50	100	10.00	4	2.40	3	3.00	---	---	4.50
2804	---	---	25	6.25	100	10.00	3	1.95	6	6.00	---	---	1.50
2805	2	1.00	52	13.00	120	12.00	20	13.00	4	4.00	---	---	---
2806	6	3.60	15	3.75	---	---	3	1.80	6	5.40	\$5.00	---	---
2807	---	---	16	4.00	120	12.00	3	1.80	3	3.00	---	---	3.00
2808	---	---	50	12.50	120	12.00	6	3.90	10	9.00	10.00	---	1.50
2809	---	---	40	10.00	150	15.00	3	1.95	6	6.00	10.00	---	---
2810	6	3.00	12	3.00	250	25.00	8	5.40	6	6.00	---	---	9.00
2811	---	---	48	12.00	160	16.00	---	---	2	2.00	---	---	---
2812	---	---	18	5.40	100	10.00	3	1.80	3	3.00	---	---	3.00
2813	7	3.50	---	---	190	19.00	6	3.60	10	10.00	---	---	9.00
2814	---	---	28	7.00	350	32.50	7	3.50	6	6.00	4.00	\$1.20	---
2815	3	1.50	50	12.50	160	16.00	3	1.50	4	4.00	---	---	---
2816	3	1.50	40	12.00	150	15.00	4	2.00	10	10.00	---	---	3.00
2817	4	2.00	---	---	200	19.00	6	3.00	3	3.00	10.00	---	---
2818	12	6.00	14	4.20	200	19.00	18	9.00	14	14.00	6.00	1.20	---
2819	6	3.00	75	18.75	250	25.00	12	6.00	3	3.00	---	---	---
2820	---	---	50	12.50	180	18.00	6	3.00	10	10.00	---	---	---
2821	16	8.00	40	12.00	250	25.00	---	---	10	10.00	6.00	---	20.00
2822	6	3.00	75	18.75	40	4.00	24	12.00	---	9.00	---	---	---
2823	3	1.50	50	12.50	250	25.00	6	3.90	4	4.00	---	---	---
2824	6	3.00	50	12.50	200	20.00	6	3.00	2	2.00	---	---	4.50
2825	2	1.00	48	12.00	150	15.00	6	3.00	6	6.00	---	---	4.50
2826	---	---	50	15.00	250	25.00	3	1.95	12	12.00	---	2.50	---
2827	---	---	50	12.50	240	21.60	---	---	4	4.00	6.00	3.50	---
2828	4	2.00	70	17.50	300	28.50	---	---	4	4.00	8.00	1.20	---
2829	12	6.00	---	---	103	9.27	---	---	12	9.60	---	---	7.00
2830	12	6.00	24	6.48	240	24.00	12	9.60	12	9.60	---	---	7.00
2831	12	6.00	---	---	120	12.00	---	---	10	8.00	---	---	25.55
2832	---	---	---	---	100	10.00	6	4.80	15	12.00	---	---	18.00
2833	6	3.00	24	6.24	112	10.08	2	1.50	12	9.00	---	---	10.75
2834	5	2.50	---	---	145	13.05	1	.75	---	---	---	---	---
2835	6	3.00	24	6.24	140	12.00	5	2.50	12	9.00	---	---	18.25
2836	3	1.50	24	6.24	110	10.00	1	.75	12	9.00	---	---	14.60
2837	12	6.00	40	10.40	150	12.00	---	---	18	13.50	---	3.00	24.00
2838	24	14.40	34	10.18	144	10.08	12	9.20	14	9.80	---	---	18.00
2839	1	.60	48	12.48	168	12.00	6	4.80	12	7.20	---	---	---
2840	12	7.20	36	9.72	110	7.70	2	1.50	12	8.40	---	---	6.02
2841	10	6.00	35	9.45	120	8.40	1	.75	12	8.40	---	---	21.00
2842	12	7.20	20	5.40	125	8.70	2	1.50	13	9.10	---	---	14.30
2843	2	1.30	84	23.68	200	18.00	---	---	24	21.60	---	---	---
2844	5	2.50	96	25.22	220	19.80	---	---	---	---	---	---	---
2845	10	5.00	40	10.80	240	21.60	---	---	18	14.40	---	---	21.90
2846	6	3.00	12	3.24	89	8.01	---	---	12	9.60	---	---	---
2847	12	6.00	24	7.48	217	19.46	6	4.50	20	16.00	---	---	12.00
2848	5	2.50	35	9.45	170	14.60	---	---	12	9.60	---	---	21.90
2849	12	6.00	48	12.56	170	14.60	---	---	12	9.60	---	---	21.90
2850	24	12.00	---	---	110	9.90	---	---	8	6.40	---	4.68	10.80
2851	12	7.20	36	9.72	160	14.40	---	---	---	---	---	---	---
2852	18	9.00	40	10.80	200	16.00	---	---	20	16.00	---	---	---
2853	24	24.00	---	---	285	18.00	12	7.20	---	---	---	---	---
2854	4	2.00	42	11.34	243	19.44	2	1.20	20	16.00	---	---	18.00
2855	2	1.00	48	8.96	187	14.10	---	---	6	6.00	---	---	10.98
2856	12	6.00	24	7.48	132	10.56	2	1.20	18	14.40	---	---	21.90
2857	12	6.00	12	3.24	160	12.80	---	---	10	8.00	---	---	21.90
2858	3	1.50	12	3.24	200	16.00	---	---	---	---	---	---	---
2859	2	1.00	48	8.96	222	18.00	1	.60	20	16.00	---	---	10.98
2860	---	---	36	9.72	310	25.00	12	7.20	16	9.60	---	---	---
2861	3	1.80	18	4.86	240	24.00	---	---	20	12.00	---	---	10.92
2862	12	6.00	---	---	100	10.00	---	---	15	9.00	---	---	---
2863	6	3.00	12	3.24	120	12.00	1	.60	10	6.00	---	---	10.92
2864	12	6.00	12	4.24	240	24.00	6	3.00	18	10.80	---	---	12.00
2865	13	6.50	25	6.75	150	12.00	---	---	12	9.60	---	---	8.40
2866	---	---	48	13.46	63	5.04	2	1.20	---	---	---	---	6.00
2867	24	12.00	52	13.52	225	20.25	2	1.50	24	18.00	---	---	---
2868	2	1.00	36	9.36	98	8.82	1	.75	10	7.50	---	---	5.25
2869	24	12.00	48	12.48	200	18.00	3	2.25	10	7.50	---	---	25.50
2870	12	6.00	65	16.90	200	18.00	12	9.00	24	18.00	---	---	---
2871	8	4.00	52	13.52	200	18.00	1	.75	15	11.25	---	---	14.00
2872	12	6.00	48	12.48	135	12.00	2	1.50	12	9.00	---	---	10.85

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2873	4	\$2.00	60	\$15.60	100	\$9.00	0	\$4.50	12	\$9.00			
2874	12	6.00	48	12.48	325	29.25	2	1.50	18	13.50			\$7.00
2875	12	6.00	36	9.36	133	11.97	1	.75	18	13.50			12.74
2876	3	1.50	35	6.30	100	9.00	1	1.00	10	7.50			5.25
2877	5	2.50	50	12.50	210	19.00	1	.75	10	7.50			14.00
2878	10	5.00	36	8.36	145	13.05	5	3.75	12	9.00			
2879	12	0.00	24	6.00	200	18.00	3	2.25	18	13.50	\$4.50		10.50
2880	12	6.00	24	6.24	135	12.15	1	.75	12	9.00			8.89
2881	5	2.50	40	10.40	172	14.78	1	.75	10	7.50			7.00
2882	10	5.00	32	8.32	200	18.00	2	2.00	12	9.00			12.81
2883	6	3.00	40	10.40	205	18.45	2	2.00	15	11.25			
2884			60	15.60	300	27.00	8	6.00	12	9.00			7.14
2885	12	6.00	24	6.48	240	24.00	1	.80	18	13.40			14.00
2886	6	3.00	31	8.06	110	9.90	4	2.00	20	15.00			5.00
2887	4	2.00	20	5.20	95	8.55	1	.75	12	9.00			9.10
2888	12	6.00	50	18.50	220	15.40	8	6.00	16	11.20			38.29
2889	12	6.00	36	9.72	75	5.25	1	.75	11	7.70			4.20
2890					200	18.00	2	1.20	15	12.00			21.90
2891	4	2.00	38	9.26	250	20.00			20	16.00			21.90
2892	10	5.00	25	6.75	223	18.00			13	10.40			21.90
2893	1	.50	72	19.44	300	24.00	6	3.60					6.00
2894	5	2.50	182	49.04	360	36.00	3	1.80	12	12.00			37.50
2895	3	1.50	60	16.20	300	18.00			48	24.00			9.60
2896	6	3.00	60	16.20	180	18.00	2	1.20	18	10.80			27.40
2897	3	1.50	52	14.04	120	12.00							
2898	12	6.00	24	6.48	310	31.00			6	3.60			10.98
2899	12	6.00	12	3.24	150	12.00	1	.60	12	7.20			10.92
2900	12	6.00	24	6.48	80	6.00			8	6.40			
2901			52	14.04	100	8.00	3	2.40	12	9.60			6.72
2902	6	3.00	12	3.12	67	6.00			7	5.25			
2903					134	12.00	3	2.25	18	13.50			7.00
2904	4	2.00	24	6.48	100	9.00			12	9.60			10.92
2905	6	3.00	48	11.96	110	9.90			14	11.20			21.90
2906	6	3.00	40	10.40	150	12.00	1	1.00	11	8.25	\$3.69		12.81
2907	4	2.00	18	4.68	90	7.27	2	1.20	8	6.00			10.00
2908	5	2.50	39	10.46	227	18.16	2	1.20	13	10.40			14.00
2909	2	1.00	24	6.48	100	9.00	1	.80	8	6.40			12.81
2910	6	3.00	52	14.04	300	27.00	3	2.40	20	16.00			
2911	2	1.00	36	9.72	147	13.16			12	9.60			12.74
2912	4	2.00	52	14.04	209	18.00	3	2.40	11	8.80			12.00
2913	6	3.00	52	14.04	200	18.00	4	3.20	22	17.60			25.55
2914	12	6.00	46	11.42	200	18.00	5	4.00	22	17.60			19.04
2915	6	3.00	96	25.22	300	27.00			18	14.40			12.74
2916	4	2.00	48	12.96	67	6.00			12	9.60			7.00
2917	6	3.00	48	8.76					12	9.60			21.90
2918	12	6.00	24	6.48	200	18.00	12	9.60	18	14.40			32.82
2919	6	3.00	52	13.52	200	18.00							4.00
2920	7	3.50	30	8.10	140	9.80	2	1.50	12	8.40			14.00
2921	5	2.50	35	9.40	135	9.45			12	8.40			10.50
2922	4	2.40	36	9.72	86	6.00	3	2.25	10	7.00			
2923	2	1.20	30	8.10	102	7.14			8	5.60			4.20
2924	4	2.00	36	9.72					12	7.20			7.00
2925	5	3.00	30	8.10	102	7.14	2	1.50	10	7.00			7.00
2926	8	4.80	24	6.48	135	9.45	1	1.00	13	9.10			8.75
2927	6	3.60	20	5.40	95	5.95	1	.75	10	6.00			7.00
2928	12	7.20	24	6.48	112	7.84	1	.75	12	7.20			25.55
2929	2	1.00	52	15.04	219	19.71			15	12.00			21.90
2930	3	1.50	28	6.56	218	17.52			18	14.40			10.92
2931	6	3.60	24	6.48	96	8.64	1	.75	12	9.60			
2932	2	1.00	48	12.96	210	18.90			12	9.60			21.90
2933	1	.50	46	12.42	150	12.00			12	9.60		2.75	10.92
2934	3	1.50	48	12.96	150	12.00	1	.60	18	14.40			21.90
2935			24	6.48	140	11.20	6	3.60	12	9.60			10.98
2936	3	1.50	52	24.05	225	18.00	1	.60	20	16.00			12.00
2937	6	3.00	24	6.48	130	10.40	6	3.60	18	14.40			21.90
2938			48	12.96	72	7.20			12	9.60			9.36
2939	12	6.00	85	22.95	300	24.00	38	22.80	60	36.00			
2940	3	1.50	52	14.94	100	10.00	2	1.20					8.40
2941	12	6.00	50	13.00	245	24.00	6	3.00	28	21.00			7.00
2942	12	6.00	60	21.60	140	12.60	10	7.50	14	10.50			7.00
2943	4	2.00	38	9.88	300	24.00			18	13.50			18.00
2944	4	2.00	48	8.48	277	24.93	1	.75	18	13.50		1.00	
2945			38	10.26	50	5.00	7	5.40	18	14.40			4.20
2946					60	5.40	4	3.00	14	11.20			10.92

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
2947					75	\$5.60	6	\$3.60	12	\$9.60			\$10.98
2948			28	\$7.76	115	9.20	2	1.20	10	8.00			6.00
2949			45	12.15	110	8.80			10	8.00			10.92
2950			36	9.72	60	4.80			18	14.40			12.00
2951	24	\$12.00	24	6.48	540	48.60			20	16.00		\$16.20	12.81
2952	12	6.00	20	5.40	200	18.00	1	.80	14	11.20		3.60	14.00
2953	12	6.00	20	5.40	160	13.50	2	1.60	18	14.40			7.00
2954	48	24.00	12	3.24	360	36.00			24	19.20		9.00	
2955	12	6.00	24	6.48	215	19.35	2	1.60	18	14.40			25.55
2956	40	20.00	4	1.08	200	18.00			20	16.00			25.55
2957	48	24.00	5	1.35	210	18.90	1	.80	21	16.80			25.55
2958	20	10.00	8	1.36	211	18.99	2	1.60	12	9.60			25.55
2959	48	24.00	6	1.62	340	30.60			30	24.00			25.55
2960	12	6.00	24	6.48	100	9.00			10	8.00			12.00
2961	12	6.00	10	2.70	145	12.05			24	19.20			
2962	24	12.00			300	27.00			20	16.00			14.00
2963	50	25.00	35	9.40	502	45.18			30	24.00			28.00
2964	12	6.00	20	5.40	240	24.00	6	4.80	20	16.00			25.55
2965	36	18.00			300	30.00			14	11.20			
2966	18	9.00	12	3.24	180	18.00	6	4.80	12	9.60			12.81
2967	36	18.00	12	3.24	240	24.00	1	.80	12	9.60			12.74
2968	36	18.00			360	36.00			10	8.00			12.04
2969	48	24.00			150	15.00	1	.80	36	28.80			12.81
2970	52	26.00			267	24.00	1	.80	24	19.20			
2971	48	24.00	6	1.62	240	24.00			24	19.20			11.97
2972	12	6.00	24	7.58	200	18.00	2	1.60	12	9.60			
2973	12	7.20	24	6.48	132	9.24			14	9.80			25.55
2974	10	6.00	32	9.64	168	12.00			15	9.00			6.24
2975	12	7.20	48	12.96	300	24.00			15	9.00			24.00
2976	36	18.00	25	7.75	342	24.00	2	2.00	24	14.40			
2977	12	7.20	24	6.48	168	12.00			18	10.80			
2978	12	7.20	48	12.96	270	18.90	5	3.75	24	16.80			25.55
2979	24	12.00			132	9.24			12	7.20			12.00
2980	10	6.00	36	9.72					15	9.00			9.28
2981	36	21.60	12	3.24	145	10.15			20	12.00			12.00
2982	48	24.00	20	5.40	254	22.86			30	24.00			
2983	12	6.00	30	7.10	300	27.00			24	19.20			
2984	12	6.00	24	7.48	200	18.00	2	1.50	20	16.00			21.90
2985	8	4.00	20	5.40	160	14.40	1	.75	12	9.60			10.98
2986	12	6.00	70	18.90	300	24.00			10	8.00			
2987			120	32.40	150	12.00			12	8.40			21.90
2988	18	9.00	24	7.48	460	36.80	5	3.00	30	24.00			
2989	48	24.00	40	10.80	600	48.00			48	38.40			48.00
2990	36	18.00			467	37.36							
2991	12	6.00			150	12.00			12	9.60			12.00
2992	60	30.00	12	3.24	600	48.00	3	1.80	50	40.00			21.90
2993	51	25.50	20	5.40	450	36.00			50	40.00			
2994	36	18.00			220	18.00			20	16.00			
2995	3	1.50	42	11.34	85	7.65	18	14.40	20	16.00		6.25	25.55
2996					80	7.20	10	6.00	0	4.80		12.60	7.90
2997	5	2.50	45	12.15	245	22.05			16	12.80			21.90
2998	4	2.00	52	14.04	215	19.35	4	2.40	14	11.20			21.90
2999	8	4.00	20	5.40	140	12.60	3	2.25	10	8.00			6.00
3000			40	10.80	60	5.40	10	8.00	18	14.40			12.81
3001	2	1.00	30	8.10	43	6.32	12	9.60	20	16.00			
3002			40	10.80	99	8.91			15	12.00			7.00
3003	3	1.50	50	13.50	50	4.50	12	9.60	15	9.00			7.84
3004	5	2.50	24	6.48	60	5.40	10	8.00	14	11.20			10.50
3005	48	24.00							12	9.60			
3006			45	12.15	200	18.00	3	1.80	12	10.80			6.00
3007			45	12.15	140	12.60			12	9.60			10.92
3008	4	2.00	30	8.10	52	4.68	6	3.60	6	4.00			3.90
3009	3	1.50	36	9.00	119	10.71			10	8.00			10.92
3010			40	12.80	65	5.85	5	3.00	12	9.60			6.00
3011			40	10.80	100	9.00	3	1.80	10	8.00			10.92
3012			50	13.50	130	11.70			10	8.00			12.00
3013			47	11.69	160	14.40			12	9.60			18.00
3014			48	12.48	87	7.76	1	.80	18	13.50			
3015			60	10.20	125	12.50			36	28.80			21.90
3016			38	9.60		7.20				14.40			
3017			24	6.00	102	8.50			10	6.00			2.50
3018			31	7.75		10.00				2.50			2.50
3019				18.00		12.00				14.40			
3020				12.00		14.00				1.50			10.00



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Concluded.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
3021				\$24.00		\$1.00				\$7.25			
3022				6.00		7.50				1.50			\$5.80
3023				12.00		12.00				14.00			3.60
3024			48	12.09		8.00			12	7.20			
3025				12.00		12.00				3.00			6.80
3026				12.00		10.00				3.25			6.50
3027			38	9.60		10.00				3.50			3.50
3028			32	8.00		10.00				1.80			
3029				0.00		12.00				.40			
3030				13.50		9.00							8.00
3031				15.00		12.00				18.00			6.40
3032				9.00		11.50				14.40			7.50
3033				9.00		10.00				12.00			
3034				18.00		14.50				15.00			
3035				12.00		13.80				8.75			6.40
3036		\$5.00		9.00		7.80				11.50			3.00
3037				12.00		15.50			28	14.00			6.00
3038				14.50		10.00				8.50			8.25
3039			48	12.00		14.50			25	12.50			
3040			60	15.00		16.00				10.00			8.50
3041			30	7.50		8.00			18	9.00			5.00
3042				6.00		7.50							4.50
3043			48	12.00		10.00				10.00			3.50
3044				6.00		7.50							
3045				3.00		5.00				5.00			
3046				4.50		5.00				6.50			2.00
3047				24.00		15.00				18.00			10.00
3048				15.83	14	1.93				4.63			9.65
3049				14.29	8	.97				37.06			14.09
3050				16.41	34	4.63				18.53			6.95
3051				10.81	37	5.02				18.53			6.95
3052				12.00						13.57			3.66
3053				17.14						22.85			6.85
3054				31.89		2.38				4.76			13.71
3055				17.14		3.43				13.57			6.66
3056				21.42		4.80				25.70			11.42
3057				8.57		4.28				14.28			6.66
3058				6.85						10.71			8.00
3059				27.37		7.14				47.60			22.85
3060				23.80		3.57				4.28			10.71
3061				8.57						23.80			8.57
3062	30	14.60			104	4.22				7.06			12.65
3063	26	14.23			156	6.33				4.05			10.54
3064	30	14.60			156	6.33				7.06			12.65
3065	26	11.60			104	4.22				4.00			6.33
3066	26	11.60			104	4.22				6.08		\$2.43	7.38
3067	26	11.60			104	4.22		\$1.22		6.57			10.54
3068	30	14.60			156	6.33		1.22		8.62			9.49
3069	26	12.65			156	6.33				4.87			12.65
3070	20	9.73	12	4.38	208	8.44				7.06			18.98
3071	26	12.65			300	12.17				11.60			12.65
3072	26	12.65			312	12.65				10.54			27.25
3073	26	12.65			316	12.82				6.33			12.65
3074													
3075	30	14.60			480	19.47				12.17			17.52
3076	52	25.31			416	16.87				21.09			25.31

TABLE XIX—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)

Budget number.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).	
2799	\$28.00	.....	.....	.....	\$2.25	.....	\$2.20	\$18.00	\$135.20
2800	45.00	.....	\$5.00	.....	.....	.....	3.20	16.00	268.80
2801	45.00	.....	2.50	\$3.60	.....	.....	.70	18.00	191.60
2802	24.10	.....	.....	.....	.....	.....	3.40	20.00	125.55
2803	28.80	.....	.....	.....	.....	.....	4.60	20.00	149.30
2804	33.30	.....	.....	1.00	.....	.....	1.50	18.00	131.60
2805	25.30	.....	.....	.....	.....	.....	1.90	20.00	149.05
2806	30.20	.....	.....	.....	.....	.....	1.80	20.00	127.05
2807	25.20	.....	.....	.....	.....	.....	4.65	14.00	116.35
2808	28.80	.....	.....	.....	.....	.....	2.85	20.00	168.80
2809	28.60	.....	.35	.....	.....	.....	2.80	13.00	154.70
2810	57.60	.....	3.00	.....	.....	.....	5.40	30.00	265.40
2811	36.00	.....	.....	.....	2.25	.....	2.40	18.00	139.40
2812	22.80	.....	.....	.....	.....	.....	.30	26.00	137.30
2813	37.90	.....	.....	.....	1.60	.....	3.65	30.00	194.25
2814	42.00	.....	.....	.....	1.40	.....	2.40	60.00	238.50
2815	46.20	.....	.....	.....	2.50	.....	2.40	20.00	173.35
2816	32.40	.....	.....	.....	2.25	.....	1.80	20.00	158.45
2817	27.00	.....	.....	.....	1.40	.....	3.35	16.00	150.75
2818	84.60	.....	.....	.....	.....	.....	4.60	95.00	330.60
2819	48.60	.....	.....	.....	.....	.....	2.00	35.00	236.85
2820	40.50	.....	.....	4.00	.....	.....	3.00	30.00	185.00
2821	47.40	.....	.....	5.40	2.80	.....	9.75	30.00	306.35
2822	46.00	.....	.....	7.20	3.60	.....	3.05	25.00	195.85
2823	24.30	.....	.....	.....	3.00	.....	1.20	25.00	175.90
2824	36.30	.....	.....	.....	.....	.....	2.00	20.00	177.10
2825	44.40	.....	.....	.....	3.00	.....	2.50	30.00	185.40
2826	26.70	.....	.....	5.40	5.50	.....	1.00	25.00	198.30
2827	42.30	\$7.00	.....	4.00	2.80	.....	2.75	48.00	271.45
2828	46.00	.....	.....	9.00	3.50	.....	2.40	25.00	241.35
2829	23.40	.....	.....	2.24	3.71	\$0.75	10.00	13.00	156.84
2830	40.80	1.50	.....	7.68	22.68	2.00	15.00	2.00	330.94
2831	27.00	.....	.....	.....	0.96	1.00	1.20	2.00	202.95
2832	33.40	3.60	.....	1.60	3.20	1.00	8.40	6.00	226.25
2833	21.00	.....	.....	.....	5.37	1.35	22.40	8.11	237.78
2834	16.80	1.80	1.85	3.00	17.30	1.00	.....	37.00	195.05
2835	28.00	2.00	.....	6.00	2.16	.75	6.02	2.95	204.11
2836	19.20	1.50	.....	.....	.....	1.50	3.36	4.00	148.00
2837	22.40	1.20	.....	3.00	3.66	2.00	.....	26.75	253.41
2838	21.50	.....	.....	8.40	.....	2.00	16.16	13.60	252.04
2839	36.00	2.40	.....	3.00	12.00	.....	10.08	43.00	199.96
2840	19.50	2.00	.....	2.40	5.46	3.00	12.80	4.00	174.90
2841	18.00	.....	.....	.....	8.00	1.00	12.16	5.00	179.96
2842	22.00	.....	.....	.....	5.00	2.10	10.00	3.25	211.19
2843	93.95	5.00	.....	.....	2.00	3.50	4.80	67.76	331.29
2844	48.20	.....	.....	12.00	1.20	2.75	3.60	52.00	260.27
2845	60.80	.....	.....	6.24	3.50	2.00	16.80	12.50	326.34
2846	22.90	3.60	.....	.....	1.20	2.00	7.12	31.50	136.57
2847	26.60	.....	.....	.....	1.96	2.00	14.50	12.00	220.00
2848	26.60	.....	3.20	.....	2.40	1.10	11.12	4.00	199.47
2849	60.50	3.00	.....	.....	7.80	2.00	17.70	13.58	276.14
2850	22.80	.....	.....	3.00	3.00	1.25	9.00	13.67	173.30
2851	69.80	2.25	.....	1.88	2.00	3.15	.....	50.34	252.99
2852	45.60	.....	.....	3.84	10.32	2.00	15.00	30.00	264.06
2853	54.00	.....	.....	1.92	23.52	2.50	10.00	32.25	241.64
2854	48.00	.....	.....	6.40	3.60	1.75	12.00	5.00	250.48
2855	48.00	.....	.....	3.20	5.64	2.00	3.12	28.65	200.91
2856	35.00	.....	.....	.....	6.00	1.60	15.00	14.21	227.35
2857	34.20	.....	.....	.....	2.88	1.00	9.12	6.99	187.23
2858	36.00	2.10	.....	1.60	7.12	2.75	.....	31.16	169.47
2859	42.00	.....	.....	3.84	7.35	1.15	.....	10.30	254.10
2860	77.60	.....	7.68	7.20	8.72	1.50	3.60	32.50	264.32
2861	21.20	1.00	.....	5.40	10.75	3.15	15.25	9.60	221.23
2862	25.20	.....	.....	.....	9.13	6.20	.....	8.30	187.83
2863	28.00	.....	.....	2.25	5.13	4.20	13.10	1.35	205.63
2864	49.30	.....	.....	2.10	2.88	.95	20.48	5.55	221.80
2865	18.00	.....	.....	3.36	2.88	1.60	11.50	11.45	162.04
2866	19.86	1.32	.....	4.80	1.80	1.17	2.50	1.55	116.56

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (\$.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
2867	\$38.60	.....	\$1.92	.....	\$4.00	\$2.00	\$26.20	\$46.40	\$364.63
2868	18.00	.....	.....	.....	2.40	1.75	12.45	7.60	156.66
2869	30.00	\$4.80	4.00	\$4.50	6.56	2.50	24.20	1.85	324.64
2870	45.00	.....	.....	.....	9.50	2.00	25.80	44.50	332.90
2871	33.00	.....	.....	.....	5.76	1.75	14.38	9.96	249.50
2872	36.00	5.60	.....	7.20	2.40	1.50	8.00	22.60	241.45
2873	31.32	2.50	.....	3.00	20.28	1.95	9.50	44.25	236.86
2874	35.20	7.50	.....	.....	7.72	.....	5.20	13.60	311.67
2875	19.20	7.20	.....	2.80	5.90	1.85	1.50	4.00	256.47
2876	18.00	.....	.....	.....	2.80	1.00	12.20	5.91	156.07
2877	30.00	.....	.....	.....	6.30	2.00	13.25	9.47	232.57
2878	15.00	10.00	.....	3.00	1.20	1.25	7.00	2.25	192.26
2879	50.00	.....	.....	2.25	3.00	2.00	20.00	13.10	265.92
2880	31.00	.....	.....	.....	2.94	1.15	8.00	15.85	194.72
2881	18.00	.....	.....	.....	7.20	1.25	10.20	11.00	176.93
2882	32.40	.....	.....	4.50	2.40	1.40	11.50	2.25	234.64
2883	36.00	.....	.....	.....	4.40	2.50	11.50	48.60	227.35
2884	42.00	.....	.....	5.55	14.64	2.00	1.20	12.26	296.51
2885	29.20	.....	.....	.....	1.20	1.00	.40	7.75	258.82
2886	16.80	.....	.....	.....	5.34	.75	12.80	7.00	201.61
2887	19.60	.....	3.20	.....	.....	.60	12.12	2.50	150.86
2888	38.50	4.80	.....	3.00	7.50	.....	16.00	7.00	314.19
2889	17.70	.....	.....	2.80	1.50	1.25	9.16	.....	154.42
2890	40.00	.....	.....	.....	2.40	2.00	13.12	19.85	268.97
2891	38.00	.....	.....	.....	3.84	5.30	10.00	4.00	242.40
2892	36.00	.....	.....	.....	5.98	2.00	13.40	11.40	233.43
2893	63.00	.....	.....	4.00	4.98	1.25	.....	6.50	212.62
2894	62.40	.....	.....	.....	12.60	3.15	40.00	38.00	551.19
2895	45.00	.....	.....	5.40	7.68	1.50	19.50	13.00	301.52
2896	52.60	2.40	.....	3.60	11.38	.....	24.12	1.25	297.87
2897	19.80	.....	.....	1.80	5.80	2.00	.72	35.75	123.41
2898	19.80	1.20	.....	1.68	2.88	1.00	12.50	11.75	190.35
2899	19.80	.....	.....	7.00	6.34	.75	9.00	12.00	180.17
2900	18.00	2.40	.....	2.70	4.32	.75	9.80	2.00	134.11
2901	31.20	.....	.....	8.32	.70	1.20	.....	13.70	192.98
2902	18.00	.....	.....	3.00	5.28	4.00	11.92	2.25	139.22
2903	30.00	.....	.....	.....	5.20	1.25	15.20	12.96	194.11
2904	26.05	.....	2.40	.....	2.00	.95	4.50	3.00	162.80
2905	30.80	.....	.....	.....	1.92	1.40	10.70	9.50	216.77
2906	21.00	.....	.....	.....	5.80	1.35	14.50	10.64	206.05
2907	16.00	.....	1.55	.....	5.51	.90	14.64	2.70	186.90
2908	47.60	.....	.....	8.00	2.16	1.37	12.00	4.59	277.99
2909	20.40	2.00	.....	6.40	2.88	.75	5.00	2.00	160.22
2910	51.00	.....	.....	9.60	11.00	3.15	22.00	58.46	351.45
2911	25.00	4.00	.....	3.68	5.30	1.00	6.00	2.00	202.20
2912	20.40	.....	.....	7.68	7.20	1.10	4.80	2.00	201.82
2913	31.60	4.00	.....	7.20	9.21	1.50	15.20	12.00	286.65
2914	51.00	5.20	.....	4.00	.....	5.00	7.00	14.00	238.86
2915	47.15	.....	.....	.....	6.84	1.00	19.00	11.00	334.95
2916	10.70	.60	.....	1.60	4.94	.75	5.00	8.80	164.55
2917	33.20	.....	.....	4.80	9.42	.60	6.00	1.55	184.33
2918	46.80	.....	.....	.....	2.88	1.15	17.00	4.00	294.73
2919	33.60	.....	.....	5.04	6.16	1.75	2.40	2.00	212.21
2920	28.80	.....	.....	4.50	2.50	1.75	12.56	3.00	189.51
2921	22.00	.....	.....	7.80	1.60	2.00	15.20	7.50	195.15
2922	18.00	.....	.....	.....	4.00	1.25	12.66	3.50	151.28
2923	15.00	.....	.....	3.00	.96	1.10	13.20	2.50	124.80
2924	18.00	2.00	.....	6.00	4.76	2.00	9.00	4.00	155.68
2925	19.50	.....	.....	7.50	2.56	2.00	6.50	9.50	192.40
2926	27.76	.....	.....	.....	1.50	1.25	14.16	8.00	189.41
2927	24.10	.....	.....	1.80	1.50	1.25	9.52	2.25	139.52
2928	22.00	.....	.....	.....	6.50	2.15	13.44	5.00	217.52
2929	50.35	.....	3.36	7.50	3.00	1.65	14.18	2.00	254.69
2930	45.60	.....	.....	4.50	2.50	1.60	13.60	3.50	224.70
2931	25.80	2.50	4.80	3.63	2.00	1.00	.....	43.00	168.80
2932	36.00	5.90	.....	3.12	2.00	1.25	.....	13.70	262.55
2933	30.00	.....	.....	6.40	4.32	1.25	12.28	8.36	178.68
2934	42.00	.....	.....	6.40	2	2.00	.....	3.00	213.62



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
2935	\$11.40	-----	-----	-----	\$4.32	\$1.10	\$8.65	\$14.25	\$156.06
2936	45.60	-----	-----	\$8.00	-----	8.50	12.00	5.00	273.23
2937	24.00	-----	-----	-----	2.88	1.25	11.20	2.75	230.07
2938	19.20	-----	-----	-----	1.90	1.12	10.20	20.25	157.95
2939	43.00	-----	\$7.20	-----	1.25	2.20	3.00	39.90	286.80
2940	33.60	-----	.60	-----	.75	2.00	2.00	4.05	164.84
2941	45.00	-----	-----	-----	3.50	-----	29.84	14.20	362.58
2942	60.00	-----	-----	6.00	3.36	1.75	20.00	9.00	329.71
2943	30.00	-----	-----	-----	1.60	1.35	12.70	4.94	254.97
2944	30.00	-----	-----	-----	6.40	-----	14.70	10.00	231.26
2945	13.50	\$2.60	-----	6.40	1.60	.50	4.50	2.00	147.16
2946	24.80	-----	-----	-----	1.60	1.00	7.40	7.25	165.82
2947	27.00	3.12	-----	5.24	4.80	.90	9.40	3.00	160.94
2948	24.50	-----	-----	-----	6.00	3.40	4.00	1.25	130.64
2949	18.00	2.40	-----	-----	3.00	2.25	10.40	12.40	164.77
2950	21.20	-----	-----	4.80	5.38	6.70	24.85	2.10	235.15
2951	80.60	21.60	-----	15.36	4.80	3.25	-----	6.00	487.10
2952	25.50	-----	-----	-----	8.54	1.50	11.00	1.85	222.29
2953	40.80	-----	-----	-----	4.56	1.15	12.50	2.25	194.66
2954	58.80	5.20	-----	3.16	11.60	3.12	10.00	45.00	316.32
2955	34.00	-----	-----	-----	6.00	1.50	7.00	12.00	236.38
2956	22.10	5.20	-----	-----	5.59	2.00	6.00	3.00	212.62
2957	40.80	-----	-----	2.40	9.84	1.00	5.50	3.15	264.59
2958	23.80	-----	-----	-----	6.00	1.32	7.00	6.50	239.97
2959	46.05	10.00	-----	8.00	5.40	2.00	-----	18.00	340.22
2960	20.40	2.40	-----	4.80	-----	1.00	6.75	13.00	191.83
2961	23.25	4.00	-----	3.84	3.00	2.00	6.00	55.96	223.60
2962	30.80	-----	-----	-----	6.96	1.75	9.80	17.00	269.71
2963	76.50	6.00	-----	-----	15.40	2.35	28.29	29.75	579.53
2964	25.50	-----	-----	-----	4.80	1.25	12.00	12.80	261.70
2965	43.80	4.00	-----	2.40	3.36	4.00	17.00	81.00	343.26
2966	39.50	-----	-----	-----	2.16	.80	13.00	5.50	231.65
2967	40.80	4.80	-----	.80	-----	1.00	-----	2.25	224.03
2968	43.55	-----	-----	1.92	7.00	1.35	11.30	4.00	270.36
2969	68.00	2.40	-----	7.68	1.50	1.50	10.00	5.00	373.79
2970	40.80	-----	-----	-----	6.38	1.35	4.00	50.00	239.53
2971	34.00	10.90	-----	2.40	8.64	1.30	12.60	3.17	254.05
2972	61.20	-----	-----	-----	9.40	1.37	5.00	44.00	256.55
2973	30.00	-----	-----	-----	3.00	2.00	13.60	9.50	230.59
2974	27.00	-----	-----	-----	9.60	1.50	7.00	4.00	176.48
2975	22.88	-----	-----	2.70	6.40	1.75	12.00	4.00	262.84
2976	55.00	5.20	-----	-----	8.96	4.15	12.00	41.00	347.02
2977	22.00	-----	-----	4.20	9.80	1.75	10.00	43.00	211.23
2978	33.00	-----	-----	-----	4.50	3.00	25.60	5.00	326.76
2979	19.80	-----	-----	3.50	1.00	1.10	14.16	2.00	153.00
2980	23.10	4.40	9.60	-----	2.00	4.75	-----	9.00	180.80
2981	35.50	-----	-----	-----	5.50	1.75	18.92	3.00	271.18
2982	96.20	-----	-----	6.36	3.60	2.35	20.00	62.34	413.53
2983	82.20	-----	-----	-----	2.40	2.50	13.60	64.00	356.00
2984	32.00	-----	-----	7.50	3.48	1.60	15.12	12.33	209.91
2985	34.15	-----	-----	3.75	2.40	1.00	13.12	8.33	194.38
2986	72.20	3.00	6.00	-----	2.40	1.25	9.00	47.00	270.05
2987	38.00	-----	-----	7.20	5.20	1.00	9.60	2.75	228.02
2988	78.95	-----	-----	8.32	4.41	13.15	30.80	67.20	436.64
2989	31.20	12.72	-----	10.24	14.09	6.00	36.16	10.00	576.56
2990	40.80	3.84	2.40	8.52	3.60	8.80	2.88	90.10	365.50
2991	28.40	-----	-----	4.80	5.76	1.05	15.00	17.00	220.43
2992	72.80	6.48	-----	24.96	4.32	3.15	-----	7.00	571.90
2993	119.25	-----	-----	12.00	4.20	2.85	10.80	83.50	514.50
2994	31.20	8.30	-----	8.00	8.10	1.25	5.20	54.00	270.05
2995	54.00	-----	-----	-----	6.00	17.00	3.25	3.00	233.94
2996	18.90	-----	-----	4.00	1.20	.60	4.00	2.00	128.30
2997	45.30	-----	-----	2.40	3.00	2.00	13.32	11.34	256.31
2998	46.00	-----	-----	5.00	2.50	1.85	20.52	6.00	304.16
2999	22.80	-----	-----	6.25	2.10	.75	10.60	2.30	149.05
3000	15.25	-----	-----	-----	3.20	.50	6.00	5.92	160.18
3001	24.30	-----	-----	-----	2.00	5.70	6.75	7.11	141.13
3002	30.60	-----	-----	-----	2.56	1.00	4.75	6.76	161.38

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Budget number.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condiments.	Vegetables (not specified).	Food (not specified).	
3003	\$34.00	-----	-----	\$6.08	\$3.38	\$0.95	\$7.00	\$6.17	\$180.00
3004	29.60	-----	-----	6.40	2.80	1.35	5.00	10.35	180.03
3005	50.60	\$2.55	-----	6.00	4.60	2.75	21.66	51.09	257.85
3006	28.00	6.00	-----	7.50	3.36	4.00	9.90	2.00	177.51
3007	25.40	-----	-----	-----	1.92	4.95	10.40	7.20	177.19
3008	22.80	-----	-----	2.50	3.60	.75	8.00	3.25	141.18
3009	38.00	-----	-----	-----	2.20	6.05	6.50	2.75	168.78
3010	26.30	-----	-----	-----	1.92	5.95	6.50	1.50	161.82
3011	22.80	4.20	-----	3.75	-----	.75	9.30	7.18	173.00
3012	35.40	-----	-----	6.48	2.40	3.50	8.12	2.40	176.55
3013	25.20	-----	-----	6.00	2.80	6.55	9.10	4.00	191.44
3014	28.80	-----	-----	-----	.54	1.15	9.96	9.18	206.31
3015	34.00	9.10	-----	8.32	1.62	.85	13.20	9.50	266.29
3016	24.00	-----	-----	-----	-----	-----	-----	7.50	130.73
3017	15.00	-----	-----	-----	-----	-----	-----	8.00	90.60
3018	24.00	-----	-----	-----	-----	-----	-----	9.50	116.65
3019	36.00	-----	-----	-----	-----	-----	-----	18.00	168.60
3020	50.00	-----	-----	-----	-----	-----	-----	23.50	198.70
3021	12.00	-----	-----	-----	-----	-----	-----	15.00	87.25
3022	12.00	-----	-----	-----	-----	-----	-----	8.00	82.30
3023	36.00	-----	-----	-----	-----	-----	-----	15.00	165.10
3024	22.50	-----	-----	-----	-----	-----	-----	7.20	125.80
3025	18.00	-----	-----	-----	-----	-----	-----	8.50	119.70
3026	24.00	-----	-----	-----	-----	-----	-----	7.60	139.85
3027	18.00	-----	-----	-----	-----	-----	-----	7.50	99.10
3028	21.00	-----	-----	-----	-----	-----	-----	5.00	89.80
3029	18.00	-----	-----	-----	-----	-----	-----	27.00	110.40
3030	36.00	-----	-----	-----	-----	-----	-----	5.00	128.60
3031	32.50	-----	-----	-----	-----	-----	-----	14.60	171.75
3032	22.75	-----	-----	-----	-----	-----	-----	16.00	137.65
3033	42.50	-----	-----	-----	-----	-----	-----	46.10	183.40
3034	22.50	-----	-----	-----	-----	-----	-----	13.80	156.80
3035	29.25	-----	-----	-----	-----	-----	-----	18.40	154.60
3036	35.75	-----	-----	-----	-----	-----	-----	16.40	157.45
3037	30.00	-----	-----	-----	-----	-----	-----	25.00	193.40
3038	39.00	-----	-----	-----	-----	-----	-----	16.40	181.65
3039	39.00	-----	-----	-----	-----	-----	-----	50.00	193.00
3040	60.00	-----	-----	-----	-----	-----	-----	30.00	238.50
3041	25.00	-----	-----	-----	-----	-----	-----	20.00	145.50
3042	30.00	-----	-----	-----	-----	-----	-----	14.50	118.00
3043	45.00	-----	-----	-----	-----	-----	-----	15.00	165.50
3044	19.50	-----	-----	-----	-----	-----	-----	35.50	103.50
3045	36.00	-----	-----	-----	-----	-----	-----	8.50	107.50
3046	18.00	-----	-----	-----	-----	-----	-----	15.00	87.50
3047	65.00	-----	-----	-----	-----	-----	-----	35.00	302.00
3048	-----	100.36	-----	1.93	-----	-----	-----	8.88	268.67
3049	-----	86.85	-----	-----	-----	-----	-----	3.86	250.14
3050	-----	36.28	-----	-----	-----	-----	-----	1.16	154.99
3051	-----	60.02	-----	-----	-----	-----	-----	2.32	173.90
3052	-----	42.84	-----	-----	-----	-----	5.14	11.90	126.24
3053	-----	57.12	-----	-----	-----	-----	12.38	3.57	166.32
3054	-----	86.87	-----	-----	-----	-----	3.57	21.42	350.24
3055	5.71	42.84	-----	-----	-----	-----	8.33	3.62	147.00
3056	-----	68.54	-----	-----	-----	-----	5.95	17.85	301.40
3057	1.37	22.85	-----	-----	-----	-----	3.57	7.14	103.47
3058	-----	17.14	-----	-----	-----	-----	1.43	8.57	90.30
3059	-----	114.24	-----	-----	-----	-----	14.28	35.70	402.46
3060	-----	28.56	-----	-----	-----	-----	6.19	2.38	128.28
3061	-----	45.70	-----	-----	-----	-----	5.95	5.95	175.18
3062	18.25	-----	-----	6.33	-----	-----	-----	34.07	179.42
3063	6.14	15.82	-----	6.33	6.33	-----	-----	24.33	176.36
3064	21.41	-----	-----	6.33	-----	-----	-----	41.69	195.47
3065	18.25	-----	-----	-----	-----	-----	-----	14.60	120.85
3066	19.71	-----	-----	-----	-----	-----	-----	19.47	121.50
3067	21.41	-----	-----	-----	-----	-----	-----	19.47	154.11
3068	27.50	-----	-----	6.33	-----	-----	-----	9.55	175.37
3069	18.25	-----	-----	-----	-----	-----	1.22	14.60	151.60
3070	21.41	-----	-----	12.65	-----	-----	3.65	29.20	229.38

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Concluded.

Bud- get num- ber.	Cost of—								Total food,
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
3071	\$37.96	.....	.....	.....	.....	.....	\$7.30	\$9.81	\$205.36
3072	58.52	.....	.....	.....	.....	.....	8.52	14.60	248.07
3073	28.47	.....	.....	.....	.....	.....	4.87	24.33	197.01
3074	.....	.....	.....	.....	.....	.....	.....	126.53	126.53
3075	60.83	.....	.....	.....	.....	.....	2.43	24.33	293.70
3076	73.00	.....	.....	\$12.65	.....	.....	14.60	\$8.93	430.22



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Chil- dren.
2799	2	\$80.00	Coal		\$16.00	Oil	26	\$5.20	\$50.00	\$30.00		\$6.00	
2800	1	48.00	Coal		5.00	Oil	28	5.60	45.00	30.00	\$100.00	2.00	\$4.50
2801	1	48.00	Wood		3.00	Oil	26	5.20	90.00	50.00		2.00	4.50
2802	2	48.00	Coal	6	21.50	Oil	12	1.80	40.00	40.00		2.00	3.50
2803	2	43.00				Oil	26	5.20	60.00	30.00	35.00	80.00	4.50
2804	2	60.00	Coal		24.00	Oil	25	5.00	70.00	40.00		4.00	
2805	2	60.00	Wood		18.00	Oil	20	4.00	76.00	35.00		4.00	
2806	2	48.00	Coal	6	21.50	Oil	12	1.80	40.00	20.00	30.00	2.00	3.50
2807	1	36.00	Wood		24.00	Oil	28	5.60	40.00	25.00		22.00	4.50
2808	3	70.00	Coal	4	12.00	Oil	14	2.10	40.00	25.00	20.00	2.00	3.50
2809	3	60.00	Coal	6	18.00	Oil	30	4.50	30.00	20.00	45.00	12.00	3.50
2810	2	48.00				Oil	26	5.20	40.00	20.00	60.00	24.00	4.50
2811	2	72.00	Coal		10.50	Oil	24	4.80	30.00	20.00	35.00	4.00	4.50
2812	2	28.00				Oil	14	2.80	60.00	30.00		120.00	4.50
2813	2	24.00	Wood		16.00	Oil	14	1.40	50.00	35.00	75.00	13.00	
2814	3	60.00				Oil	26	5.20	35.00	20.00	80.00	4.00	4.50
2815	2	24.00				Oil	20	3.00	60.00	30.00	60.00	3.00	4.50
2816	2	24.00	Wood		10.00	Oil	28	2.80	50.00	30.00	45.00	6.00	4.50
2817	3	60.00				Oil	20	4.00	40.00	30.00		28.00	4.50
2818	3	60.00				Oil	26	5.20	36.00	18.00	150.00	3.00	
2819	2	24.00	Wood		13.50	Oil	60	6.00	50.00	30.00	60.00	4.00	4.50
2820	2	24.00				Oil	25	2.50	45.00	30.00	35.00	3.00	4.50
2821	O. H.		Coal		9.00	Oil	14	2.80	50.00	30.00		16.00	
2822	O. H.					Oil	26	5.20	35.00	20.00	60.00	2.00	4.50
2823	2	24.00	Wood		18.00	Oil	20	4.00	40.00	20.00		12.00	4.50
2824	2	18.00	Wood		20.00	Oil	28	5.60	60.00	25.00	18.00	3.00	4.50
2825	2	18.00	Wood		12.00	Oil	26	2.60	45.00	25.00	60.00	20.00	4.50
2826	3	30.00				Oil	40	8.00	70.00	50.00	150.00	20.00	
2827	4	72.00				Oil	52	10.40	75.00	40.00	60.00	44.00	1.50
2828	4	120.00	Coal		6.00	Oil	26	5.20	35.00	15.00	90.00	3.00	
2829	4	60.00	Coal		8.10	Oil	24	4.80	39.00	35.00	5.00	51.00	
2830	4	36.00	Coal		8.10	Oil	12	2.40	30.00		120.00		1.75
2831	4	60.00	Coal		8.10	Oil	12	2.40	40.00	50.00		50.00	1.65
2832	4	60.00	Coal		8.10				37.00	25.00	40.00		
2833	4	60.00	Coal		18.00	Oil	14	2.24	60.00	45.00	52.00		2.24
2834		Free.	Coal		24.00	Oil	12	1.92	50.00	30.00	20.00	45.00	2.35
2835	4	60.00	Coal		16.00	Oil	12	1.44	75.00	50.00			8.00
2836	4	66.00	Coal		12.00	Oil	10	1.60	100.00	75.00	6.00		
2837	4	72.00	Coal		24.00	Oil	12	1.92	45.00	30.00	85.00	12.00	1.48
2838	4	66.00				Oil	20	3.00	60.00	30.00	50.00		2.50
2839	O. H.		Coal		25.00	Oil	15	2.25	20.00	30.00	32.00		20.00
2840	2	48.00				Oil	15	2.25	15.00	10.00	15.00		2.15
2841	2	48.00				Oil	20	3.00	45.00	30.00	35.00		.55
2842	4	66.00				Oil	24	2.40	60.00	35.00	75.00		
2843		Free				Oil	18	2.88	50.00	20.00	135.00	60.00	3.00
2844	4	84.00	Coal		9.00	Oil	12	1.92	48.00	39.00	90.00		1.65
2845	4	60.00	Coal		18.00	Oil	18	2.88	35.00	30.00	95.00		1.65
2846	O. H.					Oil	12	1.92	37.50	20.00		12.00	6.65
2847	2	40.00				Oil	10	1.60	30.00	15.00	23.00		1.65
2848	4	80.00	Coal		24.00	Oil	12	1.92	50.00	40.00	65.00		2.00
2849	O. H.		Coal		24.00	Oil	18	2.88	50.00	50.00	50.00	60.00	30.00
2850	O. H.		Coal		18.00	Oil	12	1.92	60.00	30.00			1.65
2851	O. H.		Coal		24.00				42.00	41.00	54.00	60.00	8.68
2852	4	66.00				Oil	12	1.92	50.00	35.00	29.00		2.00
2853	O. H.		Coal		21.00	Oil	12	1.92	25.00	12.00	65.00		4.00
2854	2	36.00	Coal		28.00	Oil	16	2.88	47.00	28.00	65.00	1.50	2.75
2855	4	50.00	Coal		17.50	Oil	24	3.84	50.00	35.00	60.00		4.00
2856	4	72.00				Oil	18	2.88	45.00	40.00	115.00		2.50
2857	4	60.00				Oil	20	3.20	37.00	20.00	30.00		2.00
2858	O. H.		Coal		24.00	Oil	12	1.92	42.00	26.00	51.00		
2859	4	60.00	Coal		27.00	Oil	12	1.92	40.00	30.00	35.00		2.00
2860	3	36.00	Coal		14.00	Oil	18	1.80	45.00	15.00	79.75		2.85
2861	4	48.00				Oil	24	2.40	45.00	30.00		13.00	2.30
2862	3	36.00				Oil	12	1.20	50.00	37.50		10.00	4.30
2863	3	36.00	Coal		11.00	Oil	24	2.40	40.00	15.00	20.00	11.25	2.50
2864	4	48.00				Oil	24	2.40	20.00	15.00	74.50		2.55
2865	4	60.00	Coal		12.00	Oil	12	1.20	47.00	35.00	8.50	20.00	2.00
2866	O. H.					Oil	12	1.92	10.00	5.00	20.00		6.00
2867	3	72.00				Oil	24	2.40	50.00	30.00	125.00		2.50
2868	2	72.00				Oil	24	2.40	40.00	30.00	8.00		
2869	3	72.00				Oil	30	3.00	50.00	30.00	75.00		
2870	3	72.00				Oil	24	2.40	35.00	20.00	97.00	6.00	2.50

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vac- ation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
				\$2.00	\$2.00			\$10.00	\$8.00	\$5.00	\$55.00	\$269.20	2799
				12.00	2.00	\$4.50	\$3.00	5.00	3.00	25.00	32.00	326.60	2800
		\$3.60		16.00	2.00	4.80	2.00	4.00		48.00	25.00	307.50	2801
				.50	.50		4.00	20.00		20.00	20.00	221.80	2802
			\$3.00	3.00	2.00	4.80	5.00	3.00	12.00	12.00	38.50	344.00	2803
					2.00		20.00	30.00	12.00	5.00	20.00	292.00	2804
				12.00	2.00	1.00	5.00		10.00	8.00	14.00	249.00	2805
				3.00	1.00		36.00	40.00	6.00	12.00	16.00	280.80	2806
					1.00		2.00	15.00	11.50	10.00	16.00	212.60	2807
								1.00		15.00	18.00	208.60	2808
				3.00	.50			35.00	15.00	12.00	26.00	284.50	2809
					2.00	4.80		14.00	12.00	3.00	36.40	273.90	2810
					1.00				14.00	10.00	15.00	226.80	2811
					1.00		6.00	2.00	7.00	2.00	21.00	278.30	2812
				3.00	2.00	1.00	14.00	3.00	18.00	15.00	25.00	295.40	2813
			6.00	3.00	2.00	.75	30.00	4.00	12.00	30.00	25.00	321.45	2814
				3.00	2.00	1.00	12.00	12.00	18.00	14.00	23.00	269.50	2815
				4.00	1.00		16.00	6.00	12.00	12.00	30.00	253.30	2816
				3.00	3.00		2.00	16.00	12.00	5.00	20.00	227.50	2817
		6.00	6.00	3.00	3.00	1.00	20.00	42.00	15.00	6.00	45.00	419.20	2818
			6.00	9.00	2.00	4.50			15.00	4.00	44.00	276.50	2819
				1.00	2.00		12.00	20.00	16.00	12.00	20.00	227.00	2820
				6.00	5.00		6.00	5.00	12.00	15.00	25.00	181.80	2821
				12.00	2.00		12.00	3.00	6.00	25.00	18.00	204.70	2822
			6.00		2.00		6.00	12.00	24.00	12.00	16.00	200.50	2823
				12.00	2.00	6.00	12.00			12.00	22.00	220.10	2824
				3.00	2.00	1.00	12.00	16.00	13.00	12.00	25.00	271.10	2825
				36.00	15.00	5.00	10.00		20.00	30.00	181.00	625.00	2826
			6.00	12.00	2.00	5.00	18.00	45.00	19.00	15.00	40.00	464.90	2827
				3.00	4.00	4.50	10.00	30.00	9.00	20.00	21.00	375.70	2828
		3.24			1.25	10.00			5.32	12.00	4.73	239.44	2829
									25.00		10.00	233.25	2830
		4.80			4.00	16.50			4.16	20.00	5.85	267.46	2831
		3.24		6.00	1.00	6.00				12.00	7.85	206.19	2832
		4.80		3.00		2.00			7.00	10.00	10.00	276.28	2833
			5.20	2.00		1.50				30.00	9.00	220.97	2834
				5.00						75.00	7.75	298.19	2835
		4.20	5.00	3.00	2.00	6.00			7.20	20.00	6.50	314.60	2836
		3.00		5.00	2.00	5.00			6.00	12.00	8.75	313.15	2837
					5.00	4.00					4.50	225.00	2838
\$15.00				12.00	1.50	40.00			5.00	15.00	10.00	227.75	2839
		2.00		12.00	12.00	1.50			20.00		11.00	139.70	2840
		2.00		6.00	2.00	1.50		5.00	10.00	15.00	9.00	212.05	2841
\$9.60			6.00	6.00	3.00	1.50				30.00	12.00	306.50	2842
15.60						8.00		9.00		50.00	12.25	365.73	2843
18.00		3.00			12.00	5.50		6.00		15.00	7.00	340.07	2844
				4.00		3.00			3.40	5.00	10.00	237.93	2845
				3.00	4.00	1.50			6.25		5.00	97.82	2846
				5.00		4.60			7.00		10.00	137.85	2847
				4.00	2.00	4.00			5.00		10.50	288.42	2848
12.00	24.00		30.00	40.00	12.00	25.00	40.00		7.00	50.00	10.50	517.38	2849
5.00				45.00	5.00	3.00			4.75		4.80	179.12	2850
					2.00	5.50			18.00	15.00	8.10	278.28	2851
					5.00				4.32	5.00	14.00	212.24	2852
				3.00		2.00			15.00	25.00	8.30	182.22	2853
						4.00		5.00	3.50		10.60	234.23	2854
				10.00	6.00	6.50			7.00	20.00	10.75	280.59	2855
				5.20	5.00						10.50	300.08	2856
				5.20	3.00		4.50		5.00	10.00	8.75	188.65	2857
					3.00		1.50		3.00		10.00	162.42	2858
			7.00		2.00	1.00			30.00		9.75	245.67	2859
						2.00		8.00	4.00	32.50	13.40	254.30	2860
			3.00		3.00	2.50			10.50	12.00	4.20	175.90	2861
										14.00		153.00	2862
					2.00	1.50			8.00	15.00	6.50	171.15	2863
						3.00			5.00	9.00	8.75	188.20	2864
			4.80	6.00	6.00	2.00			3.60	6.00	8.00	222.10	2865
						1.00			3.00	6.00	7.80	60.72	2869
					1.00	10.00		10.00	20.00	12.00	19.00	353.90	2867
								15.00	10.00	12.00	5.50	194.90	2868
				2.00	5.00	4.00			20.00	12.00	11.00	284.00	2866
						3.00				12.00	13.00	262.90	2870



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity. (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
2871	3	\$72.00	.....	.....	.....	Oil...	36	\$3.60	\$28.00	\$15.00	\$60.00	.....	\$2.50
2872	3	72.00	.....	.....	.....	Oil...	12	1.20	70.00	50.00	40.00	.....	2.50
2873	O. H.	.....	.....	.....	.....	Oil...	12	1.20	40.00	25.00	.....	.....	9.00
2874	5	73.00	Coal...	12	\$24.00	Oil...	25	2.50	65.00	50.00	85.00	.....	.....
2875	O. H.	.....	Coal...	.....	18.00	Oil...	18	1.80	75.00	75.00	26.00	\$51.00	24.00
2876	3	72.00	.....	.....	.....	Oil...	12	1.20	25.00	15.00	.....	.....	2.50
2877	3	72.00	.....	.....	.....	Oil...	14	1.40	45.00	38.00	32.50	12.00	2.50
2878	3	72.00	.....	.....	.....	Oil...	24	2.40	50.00	35.00	30.00	10.00	2.50
2879	O. H.	.....	Coal...	.....	25.00	Oil...	20	2.00	75.00	60.00	136.00	.....	13.00
2880	4	60.00	Coal...	.....	21.40	Oil...	12	1.20	45.00	32.00	50.00	.....	2.50
2881	3	65.00	.....	.....	.....	Oil...	12	1.20	50.00	40.00	.....	.....	2.50
2882	3	72.00	.....	.....	.....	Oil...	20	2.00	60.00	40.00	73.00	.....	2.50
2883	3	72.00	.....	.....	.....	Oil...	24	2.40	35.00	29.00	47.00	.....	2.50
2884	O. H.	.....	Coal...	.....	21.00	Oil...	12	1.20	25.00	15.00	100.00	.....	12.00
2885	O. H.	.....	Coal...	.....	8.10	Oil...	30	6.00	20.00	5.00	25.00	.....	3.95
2886	4	60.00	Coal...	.....	16.00	Oil...	15	1.80	40.00	35.00	15.00	3.00	2.24
2887	3	48.00	Coal...	.....	10.00	Oil...	12	1.44	32.00	20.00	.....	.....	1.48
2888	4	66.00	.....	.....	.....	Oil...	20	3.00	25.00	35.00	165.00	.....	1.60
2889	2	48.00	.....	.....	.....	Oil...	12	1.30	25.00	5.00	.....	.....	2.00
2890	4	72.00	Coal...	.....	18.00	Oil...	20	3.20	54.00	40.00	85.00	.....	2.00
2891	4	72.00	.....	.....	.....	Oil...	12	1.92	47.00	24.00	65.50	.....	2.50
2892	4	72.00	.....	.....	.....	Oil...	18	2.88	50.00	85.00	76.00	6.00	2.50
2893	O. H.	.....	Coal...	.....	28.00	Oil...	12	1.92	41.00	20.00	25.00	.....	7.50
2894	4	78.00	.....	.....	.....	Oil...	20	3.20	49.00	30.00	85.00	10.00	2.50
2895	4	72.00	.....	.....	.....	Oil...	18	2.88	30.00	15.00	87.50	.....	2.50
2896	O. H.	.....	Coal...	.....	20.00	Oil...	60	6.00	25.00	20.00	85.00	.....	7.00
2897	.....	Free	.....	.....	.....	Oil...	20	2.00	20.00	15.00	55.00	.....	12.00
2898	4	48.00	.....	.....	.....	Oil...	6	.60	40.00	35.00	.....	.....	2.26
2899	4	60.00	.....	.....	.....	Oil...	12	1.20	30.00	30.00	15.00	.....	2.50
2900	2	60.00	Coal...	.....	14.10	Oil...	12	1.20	7.00	.....	.....	12.00	2.20
2901	2	48.00	.....	.....	.....	Oil...	18	1.80	24.00	12.00	33.00	10.00	2.00
2902	3	72.00	.....	.....	.....	Oil...	24	2.40	30.00	12.00	.....	10.00	.....
2903	3	72.00	.....	.....	.....	Oil...	20	2.00	24.00	15.00	20.00	4.00	2.50
2904	4	72.00	Coal...	.....	18.00	Oil...	12	1.92	30.00	12.00	.....	8.00	.....
2905	3	72.00	Coal...	.....	16.00	Oil...	20	3.20	30.00	25.00	34.00	9.00	.....
2906	4	84.00	Coal...	.....	19.60	Oil...	20	2.00	47.00	30.00	28.75	.....	2.50
2907	4	84.00	Coal...	.....	16.00	Oil...	12	1.92	65.00	40.00	4.00	35.00	1.48
2908	4	60.00	Coal...	.....	8.15	Oil...	18	3.60	37.00	15.00	48.50	.....	.....
2909	4	60.00	Coal...	.....	8.15	Oil...	18	3.60	20.00	31.00	.....	50.00	.....
2910	4	60.00	Coal...	.....	8.15	Oil...	20	4.00	45.00	26.00	130.00	.....	1.75
2911	4	60.00	Coal...	.....	8.15	Oil...	18	3.60	57.00	40.00	12.00	.....	.....
2912	4	60.00	Coal...	.....	8.15	.....	.....	.....	45.00	40.00	8.00	12.00	.....
2913	4	65.00	Coal...	.....	8.15	Oil...	20	4.00	49.00	33.00	89.00	7.00	2.00
2914	4	60.00	Coal...	.....	8.15	Oil...	24	4.80	55.00	37.00	49.75	10.00	2.00
2915	4	60.00	Coal...	.....	8.10	Oil...	36	7.20	65.00	10.00	75.00	30.00	.....
2916	4	60.00	Coal...	.....	8.10	Oil...	12	2.40	50.00	25.00	.....	.....	1.65
2917	4	60.00	Coal...	.....	8.10	Oil...	10	2.00	52.00	35.00	.....	20.00	.....
2918	4	60.00	Coal...	.....	8.10	Oil...	12	2.40	50.00	40.00	60.00	55.00	.....
2919	4	84.00	Coal...	.....	12.00	Oil...	12	1.44	40.00	20.00	60.00	.....	2.35
2920	2	48.00	.....	.....	.....	Oil...	12	1.80	40.00	30.00	37.00	.....	2.50
2921	2	48.00	.....	.....	.....	Oil...	12	1.20	55.00	35.00	65.00	.....	2.50
2922	2	48.00	.....	.....	.....	Oil...	12	1.90	20.00	15.00	10.00	.....	2.50
2923	2	48.00	.....	.....	.....	Oil...	12	1.80	20.00	12.00	.....	3.00	.55
2924	2	43.00	.....	.....	.....	Oil...	12	1.20	20.00	10.00	7.00	.....	2.50
2925	2	48.00	.....	.....	.....	Oil...	15	2.25	50.00	45.00	10.00	.....	2.50
2926	4	96.00	.....	.....	.....	Oil...	15	2.25	50.00	35.00	50.00	.....	2.50
2927	2	48.00	.....	.....	.....	Oil...	12	1.20	50.00	60.00	.....	15.00	2.55
2928	2	48.00	.....	.....	.....	Oil...	12	1.80	25.00	20.00	15.00	.....	2.50
2929	4	65.00	.....	.....	.....	Oil...	18	2.88	40.00	35.00	65.00	.....	2.00
2930	2	45.00	.....	.....	.....	Oil...	20	3.20	40.00	30.00	28.00	.....	1.65
2931	4	72.00	Coal...	.....	18.00	Oil...	12	2.40	70.00	58.00	.....	75.00	1.65
2932	O. H.	.....	Coal...	.....	24.00	Oil...	24	4.80	65.00	60.00	47.00	450.00	13.00
2933	4	60.00	.....	.....	.....	Oil...	12	1.92	56.00	30.00	27.00	8.00	2.00
2934	O. H.	.....	Coal...	.....	36.00	Oil...	24	3.84	40.00	15.00	67.00	.....	12.00
2935	4	60.00	Coal...	.....	21.50	Oil...	12	1.02	75.00	50.00	10.00	.....	2.00
2936	4	72.00	.....	.....	.....	Oil...	12	1.92	37.00	20.00	68.55	.....	2.00
2937	O. H.	.....	Coal...	.....	24.00	Oil...	12	1.92	50.00	45.00	55.00	.....	8.82
2938	O. H.	.....	Coal...	.....	15.00	Oil...	10	1.60	40.00	15.00	.....	.....	7.00
2939	4	48.00	Coal...	.....	14.00	Oil...	18	1.80	12.00	10.00	60.00	5.50	2.85
2940	O. H.	.....	Coal...	.....	21.00	Oil...	12	1.20	10.00	4.00	43.00	.....	7.00
2941	3	72.00	.....	.....	.....	Oil...	24	2.40	60.00	25.00	75.00	9.00	2.00
2942	3	60.00	Coal...	.....	18.00	Oil...	19	1.90	40.00	25.00	98.00	8.75	2.50



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
		\$3.60			\$1.75	\$2.50			\$7.20	\$12.00	\$9.00	\$217.15	2871
		3.00			2.00	2.50			7.50	12.00	10.00	272.70	2872
			\$3.00	\$2.00	8.00	2.00			6.00	12.00	68.00	174.20	2873
\$9.00	\$15.00			5.60	11.00	2.50			10.00	12.00	9.50	354.50	2874
			6.00	5.00	.50	4.00				12.00	11.00	333.30	2875
				3.00		1.50			5.00	12.00	6.50	143.70	2876
				2.00	2.00	1.50			6.00	12.00	10.00	236.90	2877
									5.00	25.00	8.75	240.65	2878
					5.00	20.00			5.00	40.00	7.00	388.00	2879
						3.50					9.75	225.35	2880
	15.00	3.00		5.00	3.00	2.00			8.00	12.00	9.00	197.70	2881
		3.00			3.00	4.50			7.00	12.00	10.00	309.00	2882
5.00					5.00	2.00		\$5.00	5.00	12.00	9.25	220.15	2883
			5.00			1.50			20.00		9.50	210.20	2884
		4.80			2.00	4.00			5.20	19.10	9.75	113.10	2885
		4.80			1.00	1.50			10.00	8.00	7.00	205.34	2886
				6.00	5.00	2.00		5.00	6.00		4.90	134.62	2887
					6.00	5.00			15.00	10.00	12.00	345.50	2888
					3.00	4.00		7.00	5.20	25.00	9.00	139.00	2889
			5.10	3.00					6.00	17.00	12.00	316.20	2890
			5.10	4.00	2.00	3.80			6.32	5.00	10.75	246.89	2891
			10.40						4.32		10.00	269.80	2892
			10.50	3.00	3.00	12.60	\$42.00		6.00	12.00	9.15	150.37	2893
2.00			5.20	3.00	.50	4.25			5.00	7.00	11.75	358.55	2894
			1.25	2.00		9.00			5.20	40.00	10.10	232.55	2895
						1.50			9.00	5.00	21.50	142.00	2896
		1.50	9.00		5.00	1.50			12.75	50.00	8.25	213.86	2897
						5.00			7.00	20.00	17.25	187.95	2898
									9.60	50.00	7.80	163.90	2899
				2.00					7.20	110.00	8.50	258.50	2900
		3.00				1.00			9.60	12.00	10.00	159.00	2901
						1.00			10.00	12.00	6.00	171.50	2902
				10.00		1.00			9.60	6.00	7.80	176.32	2903
				4.00	1.00			16.00	3.50	12.00	9.25	234.95	2904
		3.00		2.50	1.00	1.50			5.00	12.00	8.70	247.55	2905
		4.20							8.20	12.00	8.00	279.80	2906
		3.24							6.32	12.00	10.00	203.81	2907
		3.24		3.00	5.00				4.12	12.00	7.50	207.61	2908
		3.24		4.00	12.00				7.88	12.00	11.00	325.02	2909
		3.24		4.00	3.00			5.00	6.00	12.00	25.00	238.99	2910
	9.00	3.24		8.00	10.00	2.00			3.84	12.00	9.00	230.23	2911
		3.24		3.00	8.00	5.00	7.32			12.00	10.25	305.96	2912
		5.00			8.00	3.00			8.75	12.00	10.50	273.95	2913
		3.24			6.00	3.00		14.00	10.00	12.00	10.50	314.04	2914
		3.24			8.00	5.25			9.00	25.00	6.25	203.89	2915
									8.32		5.40	180.82	2916
		3.24		12.00	7.00	11.00			7.68	12.00	0.25	337.67	2917
					5.00	6.00			15.00		9.25	200.04	2918
		2.00		5.00		1.00		5.00	10.00	60.00	12.00	254.30	2919
					4.00			12.00	5.00	10.00	9.00	244.70	2920
5.00		3.00		6.00	1.00	3.00			4.18		8.00	127.56	2921
					1.00	1.00			5.20	5.00	8.00	112.55	2922
					2.00			15.00	5.00	10.00	8.00	126.70	2923
						1.00		10.00	5.20	12.00	7.00	194.95	2924
						4.00			20.00		10.00	269.75	2925
		5.00		5.00	3.00	1.00		10.00	8.00		9.00	217.75	2926
		5.00	6.00	6.00	5.00	3.00			25.00		10.00	172.30	2927
		3.00		5.00		6.00					9.80	233.08	2928
						4.50			8.25		11.00	171.60	2929
					12.00	10.00					6.25	325.30	2930
				4.00	12.00	8.20	20.00		35.00	10.00	11.05	764.05	2931
4.00			10.40	3.00				12.00	4.32	10.00	8.25	222.49	2932
						8.00		6.10			9.50	211.84	2933
					1.00				11.00	12.00	5.50	249.92	2934
					3.00			15.00	7.00	6.00	11.50	243.97	2935
	7.50		5.80		2.00	9.50			5.00		10.50	225.04	2936
									3.60	10.00	8.00	100.20	2937
		1.50				1.50			10.00	15.00	9.60	191.75	2938
				4.00	1.00				6.00	4.00	2.00	103.20	2939
					2.00	8.00		15.00	10.00	12.00	50.00	342.40	2940
						2.00			25.00	12.00	10.00	303.15	2941

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utensils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.	
2943	4	\$80.00	.....	.....	.....	Oil	18	\$1.80	\$43.00	\$28.00	\$47.00	\$2.50
2944	3	72.00	.....	.....	.....	Oil	12	1.20	40.00	35.00	30.00	2.00
2945	4	60.00	Coal	.....	\$8.10	Oil	12	2.40	15.00	10.00	.....	.....
2946	4	84.00	Coal	.....	20.00	Oil	12	1.92	65.00	54.00	15.00	.....
2947	4	78.00	.....	.....	.....	Oil	25	4.00	20.00	10.00	.....	.....
2948	3	66.00	.....	.....	.....	Oil	20	3.20	40.00	20.00	.....	.....
2949	2	48.00	.....	.....	.....	Oil	12	1.20	47.00	20.00	18.00	.....
2950	2	54.00	.....	.....	.....	Oil	12	1.20	25.00	18.00	32.00	2.00
2951	4	65.00	Coal	.....	8.15	Oil	20	4.00	47.00	20.00	247.00	2.45
2952	4	60.00	Coal	.....	8.15	Oil	18	3.60	60.00	35.00	40.00	1.75
2953	4	85.00	Coal	.....	8.15	Oil	20	4.00	45.00	30.00	57.00	2.00
2954	4	60.00	Coal	.....	8.15	.....	10	2.00	50.00	35.00	112.00	.....
2955	4	65.00	Coal	.....	8.15	Oil	20	4.00	55.00	35.00	52.00	\$6.00 2.00
2956	4	65.00	Coal	.....	8.15	Oil	18	3.60	53.00	.....	45.00	10.00 2.00
2957	4	65.00	Coal	.....	8.15	Oil	12	2.40	56.00	27.00	52.00	2.00
2958	4	60.00	Coal	.....	8.15	Oil	12	2.40	45.00	20.00	62.00	1.75
2959	4	60.00	Coal	.....	8.15	Oil	18	3.60	37.00	25.00	.....	.....
2960	4	60.00	Coal	.....	8.15	Oil	12	2.40	50.00	39.75	.....	1.75
2961	4	60.00	Coal	.....	8.15	Oil	18	3.60	40.00	28.00	30.00	1.50
2962	4	65.00	Coal	.....	8.15	Oil	12	2.40	50.00	30.00	26.00	5.00 2.00
2963	8	92.00	Coal	.....	10.15	Oil	30	6.00	47.00	50.00	212.00	3.00
2964	4	60.00	Coal	.....	8.10	Oil	18	3.60	27.50	20.00	39.25	1.85
2965	4	60.00	Coal	.....	14.10	Oil	18	3.60	45.00	.....	127.50	2.00
2966	4	65.00	Coal	.....	8.10	Oil	12	2.40	33.00	25.00	40.00	25.00 1.75
2967	4	65.00	Coal	.....	8.10	Oil	24	4.80	60.00	30.00	25.00	50.00 1.65
2968	4	60.00	Coal	.....	8.10	Oil	12	2.40	50.00	40.00	45.00	100.00 1.75
2969	4	60.00	Coal	.....	8.10	Oil	18	3.60	40.00	30.00	60.00	15.00
2970	4	60.00	Coal	.....	8.10	Oil	12	2.40	40.00	25.00	85.00	.....
2971	4	60.00	Coal	.....	8.10	Oil	18	3.60	40.00	29.50	65.00	5.00 1.40
2972	4	60.00	Coal	.....	8.10	Oil	12	2.40	15.00	10.00	40.00	5.00 1.40
2973	2	48.00	.....	.....	.....	Oil	24	2.40	45.00	30.00	25.00	5.00 2.50
2974	2	48.00	.....	.....	.....	Oil	20	2.00	20.00	10.00	25.00	1.60
2975	4	96.00	.....	.....	.....	Oil	24	3.60	20.00	20.00	100.00	3.00
2976	O. H.	.....	Gas	.....	18.00	Gas	.....	6.00	40.00	40.00	117.00	13.00
2977	O. H.	.....	Gas	.....	24.00	Gas	.....	6.00	60.00	30.00	10.00	30.00
2978	4	66.00	.....	.....	.....	Oil	30	4.50	45.00	33.00	125.00	2.50
2979	2	48.00	.....	.....	.....	Oil	24	3.60	30.00	35.00	.....	2.50
2980	2	48.00	.....	.....	.....	Oil	18	2.70	40.00	20.00	25.00	2.50
2981	O. H.	.....	Coal	.....	30.00	Oil	18	2.70	40.00	35.00	100.00	18.00
2982	4	84.00	Coal	.....	24.00	Oil	10	1.65	48.00	35.00	110.00	.....
2983	4	84.00	Coal	.....	20.00	Oil	18	2.88	48.00	30.00	88.00	1.65
2984	4	84.00	.....	.....	.....	Oil	18	2.88	55.00	45.00	60.00	2.00
2985	5	84.00	Coal	.....	24.00	Oil	12	2.40	65.00	60.00	.....	12.00
2986	4	84.00	Coal	.....	18.00	Oil	12	1.92	55.00	30.00	70.00	1.65
2987	3	54.00	.....	.....	.....	Oil	12	1.92	46.00	20.00	38.00	2.70
2988	4	72.00	.....	.....	.....	Oil	25	3.88	40.00	23.00	239.00	10.00 2.50
2989	4	78.00	.....	.....	.....	Oil	18	2.88	48.00	28.00	300.00	40.00
2990	O. H.	.....	Coal	.....	24.00	.....	1.35	43.00	20.00	165.00	.....	2.50
2991	4	72.00	Coal	.....	9.00	Oil	18	1.80	41.00	29.00	31.50	.....
2992	O. H.	.....	Coal	.....	16.80	Oil	20	2.00	47.00	19.00	243.00	11.60
2993	O. H.	.....	Coal	.....	40.00	Oil	36	3.60	40.00	38.00	79.00	12.00
2994	O. H.	.....	Coal	.....	12.00	Oil	12	1.20	40.00	20.00	15.00	18.00
2995	4	65.00	Coal	.....	8.15	Oil	12	2.40	27.25	12.00	59.60	.....
2996	4	60.00	Coal	.....	8.15	Oil	12	2.40	25.00	10.00	.....	.....
2997	4	84.00	.....	.....	.....	Oil	20	3.20	40.00	19.00	65.00	1.65
2998	4	84.00	Coal	.....	24.00	Oil	12	1.92	47.00	30.00	90.00	2.00
2999	4	60.00	Coal	.....	24.00	Oil	24	3.84	25.00	20.00	.....	.....
3000	4	60.00	Coal	.....	8.15	Oil	12	2.40	25.00	10.00	15.00	.....
3001	4	65.00	Coal	.....	8.15	Oil	10	2.00	30.00	10.00	.....	6.00 1.75
3002	4	65.00	Coal	.....	8.15	Oil	16	3.20	35.00	15.00	6.00	.....
3003	4	60.00	Coal	.....	8.15	Oil	18	3.60	40.00	17.00	42.00	.....
3004	4	60.00	.....	.....	8.15	Oil	18	3.60	52.00	15.00	27.00	.....
3005	4	60.00	.....	.....	.....	Oil	18	2.88	57.00	20.00	84.00	40.00 1.65
3006	4	84.00	Coal	.....	20.00	Oil	24	3.84	40.00	15.00	20.00	.....
3007	4	84.00	Coal	.....	10.00	Oil	12	1.92	40.00	15.00	18.00	.....
3008	4	84.00	Coal	.....	18.00	Oil	12	1.92	40.00	25.00	10.00	.....
3009	4	84.00	Coal	.....	24.00	Oil	24	3.84	47.50	18.00	10.00	.....
3010	4	84.00	Coal	.....	14.00	Oil	12	1.92	43.00	17.00	5.00	.....
3011	4	84.00	.....	.....	.....	Oil	12	1.92	30.00	10.00	8.00	.....
3012	4	84.00	.....	.....	.....	Oil	12	1.92	35.00	18.00	15.00	.....
3013	4	84.00	.....	.....	.....	Oil	18	2.88	45.00	24.00	30.00	.....
3014	4	60.00	Coal	.....	12.00	Oil	12	1.44	45.00	50.00	40.00	1.87



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
		\$3.00			\$4.00	\$1.50			\$10.00	\$12.00	\$11.00	\$243.80	2943
				\$5.00						12.00	10.00	207.20	2944
				12.00	5.00	3.00		\$10.00	6.00	12.00	5.60	129.10	2945
				3.00					8.00		10.00	277.92	2946
				3.00				105.80	5.00		12.50	238.10	2947
								110.00		16.00	10.00	288.20	2948
		3.00						115.00	5.00	12.00	6.75	275.95	2949
	\$12.40				2.00	3.00		36.00	6.24	12.00	4.95	205.79	2950
		5.00			9.00	10.00		7.25	6.68	109.00	12.50	544.03	2951
		3.24		6.00	3.00	8.00			7.00	12.00	9.75	257.49	2952
		3.24		6.00	4.00	7.00			5.58		10.00	246.97	2953
		3.24		6.00	12.00	10.00				5.00	12.75	316.14	2954
		3.24		12.00	4.00	3.00			5.32	12.00	10.50	277.21	2955
		3.24		12.00	9.00				5.00	12.00	111.00	338.99	2956
		3.24		6.00	12.00	8.00		12.00	7.68	12.00	9.00	282.47	2957
		3.24		6.00	12.00			8.00	5.00	12.00	9.25	254.79	2958
		3.24		12.00	12.00	5.00			7.68		10.00	183.67	2959
		3.24		22.00					8.00		9.00	204.29	2960
		3.24		12.00	3.00	3.00		10.00	7.68	5.00	10.25	225.42	2961
		3.24		6.00					7.00	12.00	10.00	226.79	2962
		5.00		12.00	10.00			15.00	10.00	12.00	12.50	495.65	2963
								21.00	7.00	12.00	9.25	209.55	2964
								11.00	26.40	3.00	10.00	302.60	2965
		8.04	\$4.00	10.00	3.00	3.00		4.50	10.00	77.75	6.85	327.39	2966
		4.80		10.00	4.00	3.00			3.84	17.00	10.10	297.29	2967
		3.24		6.00	6.00	3.50			6.25	12.00	9.20	353.44	2968
		3.24		6.00		3.65			4.00	12.00	11.75	257.34	2969
		6.40		6.00	5.00	5.00		62.00	16.64	50.00	7.00	378.54	2970
		3.24		6.00	1.75				2.00		6.75	232.34	2971
		6.00		6.00		1.00			1.92	10.00	9.27	176.09	2972
	12.00			6.00		30.00		7.00	12.00	3.00	10.00	237.90	2973
		6.00	1.30	6.00	.25	3.50		5.00	5.20	1.00	10.00	144.85	2974
		6.00		5.00	4.00	3.00			10.00		12.00	282.60	2975
\$28.00	7.00			30.00	1.00	8.00				40.00	12.00	332.00	2976
		6.00		20.00	3.00	6.00			5.20	10.00	12.00	320.20	2977
		5.00		10.00	5.00	2.00		10.00	15.00	7.00	12.00	342.00	2978
	7.20	5.00		6.00	4.00	9.00			5.60	5.00	9.00	169.90	2979
				15.00	2.00			7.50	10.00	75.00	11.00	283.70	2980
7.00		3.00		16.00	6.00	8.75				50.00	14.90	331.35	2981
				10.00	5.00	7.50			12.96	25.00	15.25	378.36	2982
				12.00	5.00				9.00	10.00	12.50	323.03	2983
				10.00	4.00	5.00			6.00		10.50	284.38	2984
				25.00	6.00	6.50			8.25	8.00	10.00	311.15	2985
		3.00			5.00				12.30	5.00	12.90	298.77	2986
						3.20		3.00	6.20		8.60	183.62	2987
				12.00	10.00	3.50	\$85.00	6.00	17.00	12.00	12.75	548.63	2988
					10.00	15.00	100.00				20.00	641.88	2989
	21.60								7.68		13.40	298.53	2990
				4.00					3.84	50.00	9.85	251.99	2991
11.00		3.00		12.00	4.00	7.50			4.00		15.50	396.40	2992
		2.75				2.00			5.00	36.00	22.50	280.85	2993
		3.00		12.00	8.00	5.00		4.00	7.20	5.00	8.25	158.65	2994
								12.50	10.00	12.00	7.25	216.15	2995
		3.24		3.00				3.00	5.00	12.00	4.00	135.79	2996
						4.00		35.00	5.80	8.50	10.50	276.65	2997
				6.00	3.00	7.00		45.00	6.00	10.00	10.00	365.92	2998
								52.00	3.00	25.00	5.25	218.09	2999
		3.24							7.00	5.00	8.00	143.79	3000
		3.24		3.00	4.00		18.00		6.00	12.00	4.00	173.14	3001
				3.00	2.50			8.50	4.32	12.00	8.95	171.62	3002
		3.24		3.00				10.00	5.00	12.00	7.00	210.99	3003
								9.00	6.00	12.00	8.50	201.25	3004
	28.80			60.00	6.00	28.50		35.00	5.12	30.00	66.80	525.75	3005
								100.00	12.00	10.00	25.00	329.84	3006
								45.00	3.50		7.00	224.42	3007
								81.00	4.00	12.00	3.80	279.72	3008
								85.00	6.15	8.00	14.00	300.49	3009
								63.00	4.00		5.00	236.92	3010
								63.00	10.00	20.00	6.00	232.92	3011
								48.00	4.00	23.00	7.25	236.17	3012
				3.00					5.40	4.00	8.25	206.53	3013
		4.80		3.00		1.00			9.60	5.00	7.50	241.21	3014



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Chil- dren.
2015	4	\$60.00	Coal	.....	\$8.10	Oil	12	\$2.40	\$50.00	\$40.00	\$28.00	.....	.....
3016	2	30.00	Wood	.....	14.00	Oil	.....	2.40	14.50	11.60	15.00	\$3.00	\$2.50
3017	2	30.00	Wood	.....	10.00	Oil	12	2.40	18.00	12.00	.....	3.00	2.50
3018	2	30.00	Wood	.....	12.00	Oil	15	3.00	16.50	13.80	15.00	4.50	2.50
3019	1	18.00	.....	.....	.....	Oil	10	2.00	18.00	10.00	10.00	5.00	.....
3020	O. H.	.....	Wood	.....	24.00	Oil	.....	2.50	14.50	12.00	50.00	12.50	2.85
3021	2	24.00	Wood	.....	12.00	Oil	24	4.80	10.00	10.00	8.00	4.00	.....
3022	2	24.00	Wood	.....	12.00	Oil	17	3.40	17.50	12.00	8.00	2.50	2.40
3023	2	36.00	Wood	.....	20.00	Oil	12	2.40	12.00	8.00	14.00	3.50	2.00
3024	O. H.	.....	Wood	.....	20.00	Oil	24	4.80	18.00	12.00	20.00	6.50	2.50
3025	2	30.00	.....	.....	.....	Oil	13	2.50	16.50	13.50	.....	2.50	.....
3026	O. H.	.....	Wood	.....	16.00	Oil	.....	3.80	16.00	13.50	28.00	5.00	3.25
3027	2	48.00	Wood	.....	3.50	Oil	12	2.40	15.00	8.00	.....	23.00	2.43
3028	2	42.00	Wood	.....	18.00	Oil	15	3.00	13.00	10.00	12.00	2.50	2.50
3029	2	30.00	Wood	.....	6.00	Oil	.....	2.40	15.00	10.00	25.00	.....	1.60
3030	1	15.00	Wood	.....	18.00	Oil	.....	3.50	15.00	8.00	27.00	5.50	.....
3031	5	36.00	Coal	.....	12.00	Oil	14	2.80	15.00	10.00	25.00	15.00	2.50
3032	5	36.00	Coal	.....	12.00	Oil	12	2.40	18.00	15.00	.....	40.00	2.50
3033	.....	Free.	Coal	.....	12.00	Oil	15	3.00	14.80	12.20	50.00	10.00	2.50
3034	.....	Free.	.....	.....	.....	Oil	12	2.40	11.20	8.40	10.00	5.00	2.50
3035	5	36.00	Coal	.....	12.00	Oil	18	3.50	16.00	11.50	60.00	3.00	2.60
3036	5	36.00	Coal	.....	12.00	Oil	12	2.40	12.80	11.40	28.00	6.40	2.50
3037	4	24.00	Coal	.....	12.00	Oil	15	3.00	14.50	12.50	60.00	5.00	2.50
3038	5	36.00	Coal	.....	12.00	Oil	15	3.00	13.40	10.70	30.50	16.80	2.50
3039	5	36.00	Coal	.....	12.00	Oil	18	3.50	14.50	12.00	23.00	2.00	2.60
3040	4	50.00	Coal	.....	12.00	Oil	24	4.80	12.50	8.50	125.00	10.00	3.50
3041	2	24.00	Coal	.....	12.00	Oil	12	2.40	12.00	8.00	10.00	5.00	2.50
3042	5	36.00	Coal	.....	12.00	Oil	.....	2.40	15.00	13.50	28.00	8.50	2.60
3043	5	36.00	Coal	.....	12.00	Oil	15	3.00	16.50	12.00	50.00	10.00	2.60
3044	5	36.00	Coal	.....	12.00	Oil	12	2.40	14.80	11.50	10.70	25.00	2.50
3045	O. H.	.....	Coal	.....	12.00	Oil	12	2.40	9.50	7.00	12.00	5.00	2.50
3046	3	36.00	Coal	.....	12.00	Oil	20	4.00	15.00	10.00	.....	7.50	2.60
3047	5	36.00	Coal	.....	12.00	Oil	24	4.80	14.50	12.00	75.00	15.00	3.60
3048	O. H.	.....	Coal	.....	13.90	Oil	.....	14.09	38.60	.....	96.50	9.65	4.83
3049	2	27.79	Coal	.....	25.48	Oil	.....	2.32	19.30	11.58	61.76	11.58	.....
3050	2	26.06	Coal	.....	11.58	Oil	.....	8.30	9.65	7.72	11.58	5.79	.....
3051	2	23.16	Coal	.....	10.81	Oil	.....	2.78	11.58	4.83	17.37	2.90	.....
3052	3	21.42	Coal	.....	8.33	Oil	.....	.57	14.28	9.52	23.80	11.60	3.17
3053	3	42.84	Coal	.....	8.57	Oil	.....	4.57	23.80	14.28	29.75	5.95	4.76
3054	7	71.40	Coal	.....	10.00	Oil	.....	10.71	19.04	9.52	35.70	11.90	2.74
3055	3	31.42	Coal	.....	8.57	Oil	.....	2.00	28.56	14.28	21.42	9.52	3.17
3056	4	46.41	Coal	.....	8.57	Oil	.....	2.86	30.94	26.18	26.18	11.90	3.17
3057	3	35.70	Coal	.....	8.57	Oil	.....	2.28	38.08	19.04	5.95	9.52	3.41
3058	2	39.51	Coal	.....	6.66	Oil	.....	1.71	28.56	9.52	26.18	11.90	4.52
3059	4	49.98	Coal	.....	10.71	Oil	.....	8.57	19.04	5.95	76.16	3.57	8.19
3060	3	23.56	Coal	.....	8.57	Oil	.....	4.28	19.04	11.90	20.23	9.52	3.17
3061	3	21.42	Coal	.....	7.14	Oil	.....	8.57	17.85	14.28	5.95	3.57	3.17
3062	2	23.32	Coal	.....	28.47	Oil	.....	2.43	18.98	0.73	.....	19.47	1.40
3063	2	22.14	Coal	.....	28.47	Oil	.....	2.43	9.73	.....	.....	7.30	1.46
3064	2	22.87	Coal	.....	24.33	Oil	.....	2.43	19.47	14.60	.....	9.73	.....
3065	2	12.14	Coal	.....	24.58	Oil	.....	1.46	14.60	.....	.....	.....	.....
3066	2	21.00	Coal	.....	23.36	Oil	.....	1.22	12.17	17.03	.....	.....	.....
3067	3	25.31	Coal	.....	6.57	Oil	.....	1.46	14.60	14.60	9.73	1.46	.....
3068	3	29.52	Coal	.....	28.47	Oil	.....	2.92	17.03	17.03	9.73	.....	.....
3069	4	50.61	Coal	.....	9.73	Oil	.....	4.87	9.73	9.73	2.43	2.43	.....
3070	3	44.20	Coal	.....	10.22	Gas	.....	4.38	14.60	14.60	14.60	6.33	2.50
3071	3	44.29	Coal	.....	12.05	Oil	.....	6.33	18.25	13.38	34.07	.97	.....
3072	3	44.29	Coal	.....	12.65	Oil	.....	6.33	17.03	14.60	38.93	.97	.....
3073	4	50.61	Coal	.....	12.65	Oil	.....	6.33	21.90	14.60	29.20	1.46	.....
3074	2	22.14	Coal	.....	28.47	Oil	.....	.97	9.73	7.30	0.73	.....	.....
3075	5	60.10	Coal	.....	17.03	Oil	.....	7.30	17.03	17.03	51.10	4.87	.....
3076	4	50.61	Coal	.....	12.65	Oil	.....	6.33	20.68	15.82	73.00	1.46	.....

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

### E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	Labor.	Other.										
		\$3.24		\$3.00				\$5.00	\$10.24	\$12.00	\$7.15	\$229.13	3015
						\$3.50			15.00	12.00	5.00	123.50	3016
				1.00		1.00		3.00	12.00	6.50	4.50	105.90	3017
					\$1.00	2.50			9.00	8.00	3.25	120.05	3018
				9.00		2.50	\$5.00	4.00	12.00	22.00	24.00	122.00	3019
									8.50	12.00	6.75	172.60	3020
									6.00	12.00	5.00	93.30	3021
				3.00	.60	1.75		8.00	6.00	6.50	5.00	107.30	3022
						2.50		2.00	14.40	12.00	23.00	154.65	3023
					.75			8.00	12.00	12.00		118.30	3024
				1.00		1.00		30.00	10.00	12.00	4.50	127.25	3025
		\$3.00		2.40	.65	.75			8.00	12.00	4.00	111.55	3026
						1.00		3.00	12.00	37.00	3.00	161.13	3027
				2.00					6.00	12.00	2.50	127.50	3028
		6.00			.50				12.00	18.00	3.50	125.50	3029
	\$10.00		6.00	1.00	2.50	2.50	15.00	25.00	9.60	12.00	4.00	136.10	3030
					2.50	1.50	8.00	5.00	12.00	12.00	10.00	214.30	3031
	8.00		6.00		2.00	3.00	2.00		8.00	12.00	6.00	174.90	3032
			4.50	2.50	2.00	1.00	8.00	27.50	8.00	12.00	96.50	151.50	3033
			8.00		2.00	1.00	2.00	10.00	6.00	12.00	3.00	201.50	3034
				1.00	2.00	2.00	3.50		12.00	12.00	5.00	183.60	3035
	10.00		4.50	3.00	2.50	1.00	3.00	25.00	12.00	12.00	5.00	149.00	3036
					2.00	5.00	4.00	12.00	7.50	12.00	45.00	211.50	3037
	10.00				2.00	3.00	25.00	10.00	5.00	12.00	6.00	212.40	3038
					2.50	10.00	5.00	4.00	12.00	12.00	8.00	178.60	3039
			4.50		2.00	1.00	10.00	25.00	9.00	12.00	5.00	259.80	3040
					4.50		2.50	15.00	5.00	12.00	8.00	144.40	3041
	10.00				2.00	2.00	2.50		12.00	12.00	10.00	165.00	3042
					2.50		2.00			12.00	10.00	192.60	3043
	10.00		3.50	1.00	1.50		1.50			12.00	5.00	136.40	3044
				1.50	2.00	3.50	20.00	8.00	12.00	12.00	3.50	83.40	3045
	25.00				5.00	4.00	10.00		12.00	12.00	8.50	154.60	3046
\$6.76		2.32		.58	4.63	.58	4.83	46.32			10.00	250.90	3047
				.58	.58		9.65	19.30	9.65	15.44	7.72	239.22	3048
				.58	.58		.97	23.16		5.79	2.70	222.73	3049
				.58	2.32		1.93	27.79	6.95	3.86	14.43	114.46	3050
				1.71	.57		1.19	31.42	2.86	9.90	3.93	131.34	3051
.71				.60	.60	3.57		17.14	2.28	19.04		144.57	3052
.71			4.28	2.38	1.19	3.14	21.42	17.85	5.71	11.90	5.95	178.46	3053
	2.85	.86	1.43	.71	1.43	3.57	1.19	27.42	1.43	23.30	33.32	245.54	3054
	12.35	.86	2.86	2.38	.83	2.00		17.85	11.42	22.01	33.32	217.05	3055
				.71	.48	1.95		23.80	1.43	22.01	17.85	247.22	3056
				.95	1.19	.86	49.98	3.57		10.04		169.96	3057
		.86		2.38	1.19	2.38	4.76	23.80		14.28	4.28	204.86	3058
				.71	.71	1.71	2.38	17.14	2.48	35.70	11.90	265.14	3059
				.48			1.19	21.42	8.57	7.14	5.95	205.80	3060
	13.79			2.92	1.22	2.11		6.08	6.43	6.43	5.95	143.49	3061
	14.84					7.30			12.65	2.84		125.99	3062
	9.00				.61	2.12		12.05	3.45	3.45		124.54	3063
	5.84					1.05			12.05	3.41		109.29	3064
	14.84								6.83	2.45		132.90	3065
	11.11									2.33		78.18	3066
	20.76			1.46	.61	1.05		12.17	2.63	2.84		92.85	3067
	3.16	6.33				1.10		22.88	12.65	3.45		115.62	3068
			3.69	6.33	1.46	2.43	16.06	4.87	6.33	4.87		165.49	3069
	9.49	6.33				1.22		25.31	12.05	2.11		116.19	3070
	6.33	6.33				4.87		14.60	12.65			179.06	3071
	12.66	6.33	6.33	4.22		4.87		21.90	4.87	3.16		174.23	3072
	6.89			2.92		1.05		10.47	9.73	6.33	21.90	182.26	3073
	12.66		6.33	1.22	2.43	7.30	26.77		1.95	12.65		228.59	3074
	18.98	6.33		7.30		2.43		36.50	9.73			103.80	3075
								26.77	4.87			296.87	3076
									12.65	4.87	24.33	284.21	3077



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
2799	2	No...	\$80.00	\$135.20	\$189.20	\$404.40	\$930.10	.....	\$80.00	\$1,010.10	\$605.70	.....
2800	7	No...	48.00	268.80	278.60	595.40	450.00	.....	30.00	480.00	.....	\$115.40
2801	5	No...	48.00	191.60	259.50	499.10	450.00	.....	40.00	490.00	.....	9.10
2802	2	No...	48.00	125.55	173.80	347.35	325.00	.....	30.00	355.00	7.65	.....
2803	3	No...	48.00	149.30	296.00	493.30	480.00	.....	.....	480.00	.....	13.30
2804	2	No...	60.00	131.60	232.00	423.60	439.10	.....	.....	439.10	15.50	.....
2805	2	No...	60.00	149.05	189.00	398.05	385.75	.....	.....	385.75	.....	12.30
2806	4	No...	48.00	127.05	232.80	407.85	275.00	.....	36.00	311.00	.....	96.85
2807	2	No...	36.00	116.35	176.60	328.95	295.00	.....	.....	295.00	.....	33.95
2808	4	No...	70.00	168.80	138.60	377.40	365.00	.....	.....	365.00	.....	12.40
2809	6	No...	60.00	154.70	224.50	439.20	392.77	.....	.....	392.77	.....	46.43
2810	7	No...	48.00	265.40	225.90	539.30	265.00	\$40.00	240.60	545.00	5.70	.....
2811	3	No...	72.00	139.40	154.80	366.20	296.00	.....	75.00	371.00	4.80	.....
2812	3	No...	28.00	137.30	250.30	415.60	775.90	.....	.....	775.90	360.30	.....
2813	5	No...	24.00	194.25	271.40	489.65	420.00	120.00	.....	640.00	50.35	.....
2814	6	No...	60.00	238.50	261.45	559.95	750.00	.....	.....	750.00	190.05	.....
2815	5	No...	24.00	173.35	245.50	442.85	540.25	.....	.....	540.25	97.40	.....
2816	4	No...	24.00	158.45	229.30	411.75	400.00	.....	.....	400.00	.....	11.75
2817	2	No...	60.00	150.75	167.50	378.25	375.50	.....	30.00	405.50	27.25	.....
2818	8	No...	60.00	330.60	359.20	749.80	520.00	440.00	.....	960.00	210.20	.....
2819	4	No...	24.00	236.85	252.50	513.35	500.00	.....	.....	500.00	.....	13.35
2820	4	No...	24.00	185.00	203.00	412.00	395.50	.....	.....	395.50	.....	16.50
2821	5	Yes...	.....	306.35	181.80	488.15	480.00	.....	360.00	840.00	351.85	.....
2822	6	Yes...	.....	195.85	204.70	400.55	300.00	.....	40.00	340.00	.....	60.55
2823	2	No...	24.00	175.90	176.50	376.40	420.00	.....	.....	420.00	43.60	.....
2824	3	No...	18.00	177.10	202.10	397.20	520.00	.....	.....	520.00	122.80	.....
2825	5	No...	18.00	185.40	253.10	456.50	460.00	.....	.....	460.00	3.50	.....
2826	4	No...	30.00	198.30	595.00	823.30	720.00	.....	.....	720.00	.....	103.30
2827	4	No...	72.00	271.45	392.90	736.35	600.00	370.00	.....	970.00	233.65	.....
2828	6	No...	120.00	241.35	255.70	617.05	336.00	210.00	60.00	606.00	.....	11.05
2829	3	No...	60.00	156.84	179.44	396.28	310.00	.....	.....	310.00	.....	86.28
2830	4	No...	36.00	330.94	197.25	564.19	760.00	.....	.....	760.00	195.81	.....
2831	2	No...	60.00	202.95	207.46	470.41	400.00	.....	.....	400.00	.....	70.41
2832	5	No...	60.00	226.25	146.19	432.44	395.00	.....	.....	395.00	.....	37.44
2833	4	No...	60.00	227.78	216.28	504.06	660.00	.....	.....	660.00	155.94	.....
2834	4	No...	Free.	195.05	220.97	416.02	600.00	.....	.....	600.00	183.98	.....
2835	2	No...	60.06	204.11	238.19	502.30	500.00	.....	.....	500.00	.....	2.30
2836	3	No...	66.00	148.00	248.50	462.50	720.00	.....	.....	720.00	257.50	.....
2837	4	No...	72.00	253.41	241.15	566.56	540.00	.....	10.00	550.00	.....	16.56
2838	8	No...	66.00	252.04	159.00	477.04	540.00	.....	.....	540.00	62.96	.....
2839	5	Yes...	.....	199.96	227.75	427.71	600.00	.....	.....	600.00	172.29	.....
2840	5	No...	48.00	176.90	91.70	316.60	540.00	.....	.....	540.00	223.40	.....
2841	5	No...	48.00	179.96	164.05	392.01	540.00	.....	.....	540.00	147.99	.....
2842	5	No...	66.00	211.19	240.50	517.69	540.00	.....	.....	540.00	22.31	.....
2843	9	No...	Free.	331.29	365.73	697.02	900.00	230.40	.....	1,130.40	433.38	.....
2844	6	No...	84.00	260.27	256.07	600.34	1,080.00	.....	.....	1,080.00	479.66	.....
2845	6	No...	60.00	326.34	177.93	564.27	480.00	.....	.....	480.00	.....	84.27
2846	2	Yes...	.....	136.57	97.82	234.39	456.00	.....	.....	456.00	221.61	.....
2847	5	No...	40.00	220.00	97.85	357.85	525.00	.....	.....	525.00	167.15	.....
2848	5	No...	80.00	199.47	208.42	487.89	610.00	.....	.....	610.00	122.11	.....
2849	6	Yes...	.....	276.14	517.38	793.52	1,200.00	.....	450.00	1,650.00	856.48	.....
2850	2	Yes...	.....	173.30	179.12	352.42	600.00	.....	.....	600.00	247.58	.....
2851	6	Yes...	.....	252.99	278.28	531.27	555.00	.....	47.00	602.00	70.73	.....
2852	4	No...	66.00	264.06	146.24	476.30	600.00	.....	18.00	618.00	141.70	.....
2853	8	Yes...	.....	241.64	182.22	423.86	510.00	.....	.....	510.00	86.14	.....
2854	6	No...	36.00	250.48	198.23	484.71	700.00	.....	.....	700.00	215.29	.....
2855	6	No...	50.00	200.91	230.59	481.50	900.00	.....	.....	900.00	418.50	.....
2856	6	No...	72.00	227.35	228.08	527.43	624.00	.....	.....	624.00	96.57	.....
2857	4	No...	60.00	187.23	128.65	375.88	480.00	.....	.....	480.00	104.12	.....
2858	6	Yes...	.....	169.47	162.42	331.89	420.00	.....	.....	420.00	88.11	.....
2859	5	No...	60.00	254.10	185.67	499.77	480.00	.....	.....	480.00	.....	19.77
2860	8	No...	36.00	264.32	218.30	518.62	585.00	.....	.....	585.00	66.38	.....
2861	2	No...	48.00	221.23	127.90	397.13	412.00	.....	.....	412.00	14.87	.....
2862	2	No...	36.00	187.83	117.00	340.83	545.00	.....	27.50	572.50	231.67	.....
2863	4	No...	36.00	205.63	135.15	376.78	385.00	.....	.....	385.00	8.22	.....
2864	9	No...	48.00	221.80	140.20	410.00	540.00	.....	.....	540.00	130.00	.....
2865	3	No...	60.00	162.04	162.10	384.14	480.00	.....	.....	480.00	95.86	.....
2866	3	Yes...	.....	116.56	60.72	177.28	375.00	.....	.....	375.00	197.72	.....
2867	7	No...	72.00	364.63	281.90	718.53	696.00	.....	50.00	746.00	27.47	.....
2868	4	No...	72.00	156.66	122.90	351.56	420.00	.....	.....	420.00	68.44	.....
2869	7	No...	72.00	324.64	212.00	608.64	525.00	.....	384.00	909.00	300.36	.....
2870	9	No...	72.00	332.90	190.90	595.80	500.00	.....	.....	500.00	.....	95.80
2871	7	No...	72.00	249.50	145.15	466.65	540.00	.....	.....	540.00	73.35	.....
2872	5	No...	72.00	241.45	200.70	514.15	648.00	.....	.....	648.00	133.85	.....



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
2873	2	Yes..	.....	\$236.86	\$174.20	\$411.06	\$480.00	.....	\$147.00	\$627.00	\$215.94	.....
2874	6	No..	\$78.00	311.67	276.50	666.17	600.00	.....	.....	600.00	.....	\$66.17
2875	4	Yes..	.....	256.47	333.30	589.77	510.00	.....	78.00	588.00	.....	1.77
2876	2	No..	72.00	156.07	71.70	299.77	384.00	.....	.....	384.00	84.23	.....
2877	5	No..	72.00	232.57	164.90	469.47	500.00	.....	.....	500.00	30.53	.....
2878	5	No..	72.00	192.26	168.65	432.91	463.00	.....	.....	463.00	30.09	.....
2879	5	Yes..	.....	265.92	388.00	653.92	612.00	.....	.....	612.00	.....	41.92
2880	6	No..	60.00	194.72	165.35	420.07	600.00	.....	.....	600.00	179.93	.....
2881	2	No..	65.00	176.93	132.70	374.63	540.00	.....	.....	540.00	165.37	.....
2882	4	No..	72.00	234.64	237.00	543.64	550.00	.....	.....	550.00	6.36	.....
2883	5	No..	72.00	227.35	148.15	447.50	515.00	.....	.....	515.00	67.50	.....
2884	5	Yes..	.....	296.51	210.20	506.71	500.00	\$334.00	.....	834.00	327.29	.....
2885	4	Yes..	.....	258.82	113.10	371.92	288.00	192.00	.....	480.00	108.08	.....
2886	3	No..	60.00	201.61	145.34	406.95	480.00	.....	.....	480.00	73.05	.....
2887	2	No..	48.00	150.86	86.62	285.48	500.00	.....	.....	500.00	214.52	.....
2888	10	No..	66.00	314.19	279.50	659.69	500.00	450.00	.....	950.00	290.31	.....
2889	2	No..	48.00	154.42	91.00	293.42	480.00	.....	.....	480.00	186.58	.....
2890	5	No..	72.00	268.97	244.20	585.17	720.00	.....	.....	720.00	134.83	.....
2891	6	No..	72.00	242.40	174.89	489.29	620.00	.....	.....	620.00	130.71	.....
2892	5	No..	72.00	233.43	197.80	503.23	696.00	.....	.....	696.00	192.77	.....
2893	6	Yes..	.....	212.62	150.37	362.99	600.00	.....	.....	600.00	237.01	.....
2894	9	No..	78.00	551.19	280.55	909.74	1,000.00	.....	.....	1,000.00	90.26	.....
2895	10	No..	72.00	301.52	174.83	548.35	480.00	.....	.....	480.00	.....	68.35
2896	7	Yes..	.....	297.87	232.55	530.42	650.00	.....	.....	650.00	119.58	.....
2897	4	No..	Free.	123.41	142.00	265.41	240.00	350.00	.....	590.00	324.59	.....
2898	3	No..	48.00	190.35	165.86	404.21	456.00	.....	.....	456.00	51.79	.....
2899	4	No..	60.00	180.17	127.95	368.12	525.00	.....	.....	525.00	156.88	.....
2900	2	No..	60.00	134.11	103.90	298.01	475.00	.....	.....	475.00	176.99	.....
2901	5	No..	48.00	192.98	210.50	451.48	360.00	.....	.....	360.00	.....	91.48
2902	2	No..	72.00	139.22	87.00	298.22	576.00	.....	.....	576.00	277.78	.....
2903	4	No..	72.00	194.11	99.50	365.61	420.00	.....	.....	420.00	54.99	.....
2904	2	No..	72.00	162.80	104.32	339.12	540.00	.....	.....	540.00	200.88	.....
2905	5	No..	72.00	216.77	162.95	451.72	600.00	.....	.....	600.00	148.28	.....
2906	4	No..	84.00	206.05	163.55	453.60	504.00	.....	.....	504.00	50.40	.....
2907	3	No..	84.00	186.90	195.80	466.70	504.00	.....	.....	504.00	37.30	.....
2908	7	No..	60.00	277.99	143.81	481.80	510.00	.....	.....	510.00	28.20	.....
2909	2	No..	60.00	160.22	147.61	367.83	495.00	.....	.....	495.00	127.17	.....
2910	8	No..	60.00	351.45	255.02	676.47	950.00	.....	.....	950.00	273.53	.....
2911	4	No..	60.00	202.20	178.99	441.19	597.00	.....	.....	597.00	155.81	.....
2912	3	No..	60.00	201.82	170.23	432.05	400.00	.....	.....	400.00	.....	32.05
2913	5	No..	65.00	236.65	240.96	592.61	600.00	192.00	.....	792.00	199.39	.....
2914	6	No..	60.00	238.86	213.95	512.81	570.00	.....	.....	570.00	57.19	.....
2915	8	No..	60.00	334.95	254.04	648.99	460.00	.....	102.00	652.00	3.01	.....
2916	2	No..	60.00	164.55	143.89	368.44	612.00	.....	.....	612.00	243.56	.....
2917	2	No..	60.00	184.33	130.82	375.15	450.00	.....	.....	450.00	74.85	.....
2918	6	No..	60.00	294.73	277.67	632.40	495.00	.....	.....	495.00	.....	137.40
2919	5	No..	84.00	212.21	176.04	472.25	660.00	.....	.....	660.00	187.75	.....
2920	5	No..	48.00	189.51	206.30	443.81	500.00	.....	.....	500.00	56.19	.....
2921	5	No..	48.00	195.15	198.70	441.85	600.00	.....	.....	600.00	158.15	.....
2922	3	No..	48.00	151.28	79.56	278.84	460.00	.....	.....	460.00	201.16	.....
2923	2	No..	48.00	124.80	64.55	237.35	480.00	.....	.....	480.00	242.65	.....
2924	4	No..	48.00	155.68	78.70	282.38	435.00	.....	.....	435.00	152.62	.....
2925	3	No..	48.00	192.40	146.95	387.35	540.00	.....	.....	540.00	152.65	.....
2926	4	No..	96.00	189.41	173.75	459.16	550.00	.....	.....	550.00	90.84	.....
2927	2	No..	48.00	139.52	169.75	357.27	576.00	.....	.....	576.00	218.73	.....
2928	4	No..	48.00	217.52	124.30	389.82	460.00	.....	.....	460.00	90.18	.....
2929	6	No..	65.00	254.69	168.68	488.37	540.00	.....	.....	540.00	51.63	.....
2930	4	No..	45.00	224.70	126.60	396.30	840.00	.....	.....	840.00	443.70	.....
2931	2	No..	72.00	168.80	253.30	494.10	540.00	.....	.....	540.00	45.90	.....
2932	4	Yes..	.....	262.58	764.05	1,026.63	960.00	.....	.....	960.00	.....	66.63
2933	4	No..	60.00	178.65	162.49	401.14	512.00	.....	.....	512.00	110.86	.....
2934	5	Yes..	.....	213.62	211.84	425.46	500.00	.....	.....	500.00	74.54	.....
2935	3	No..	60.00	156.06	189.92	405.98	516.00	.....	.....	516.00	110.02	.....
2936	5	No..	72.00	273.23	171.97	517.20	720.00	.....	.....	720.00	202.80	.....
2937	6	Yes..	.....	230.07	225.04	455.11	720.00	.....	.....	720.00	264.89	.....
2938	3	Yes..	.....	157.95	100.20	258.15	547.50	.....	.....	547.50	289.35	.....
2939	10	No..	48.00	286.80	143.75	478.55	350.00	75.00	35.00	460.00	.....	18.55
2940	4	Yes..	.....	164.84	103.20	268.04	272.00	550.00	.....	822.00	553.96	.....
2941	6	No..	72.00	362.58	270.40	704.98	840.00	.....	35.00	875.00	170.02	.....
2942	7	No..	60.00	329.71	243.15	632.86	720.00	.....	.....	720.00	87.14	.....
2943	5	No..	80.00	254.97	163.80	498.77	520.00	.....	.....	520.00	21.23	.....
2944	5	No..	72.00	231.26	135.20	438.46	491.00	.....	.....	491.00	52.54	.....
2945	2	No..	60.00	147.16	69.10	276.26	360.00	.....	.....	360.00	83.74	.....
2946	4	No..	84.00	165.82	193.92	443.74	600.00	.....	.....	600.00	156.26	.....

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
2947	12	No...	\$78.00	\$160.94	\$160.10	\$399.04	\$400.00	.....	\$363.00	\$768.00	\$368.96	.....
2948	9	No...	66.00	130.64	202.20	398.84	435.00	.....	616.00	1,051.00	652.16	.....
2949	4	No...	48.00	164.77	227.05	440.72	483.00	.....	.....	483.00	42.28	.....
2950	4	No...	54.00	235.15	151.79	440.04	420.00	.....	.....	420.00	.....	\$20.94
2951	11	No...	65.00	487.10	479.03	1,031.13	650.00	\$400.00	.....	1,050.00	18.87	.....
2952	4	No...	60.00	222.29	197.49	479.78	540.00	.....	.....	540.00	60.22	.....
2953	4	No...	05.00	194.66	181.97	441.63	600.00	.....	.....	600.00	158.37	.....
2954	8	No...	60.00	316.32	256.14	632.46	650.00	.....	.....	650.00	17.54	.....
2955	5	No...	65.00	236.38	212.21	513.59	600.00	.....	.....	600.00	86.41	.....
2956	3	No...	05.00	212.62	273.99	551.61	612.00	.....	.....	612.00	60.39	.....
2957	5	No...	05.00	264.59	217.47	547.06	465.00	.....	.....	465.00	.....	82.06
2958	4	No...	60.00	239.97	194.79	494.76	645.00	.....	.....	645.00	150.24	.....
2959	4	No...	00.00	340.22	123.67	523.89	300.00	384.00	.....	684.00	160.11	.....
2960	2	No...	60.00	191.83	144.29	396.12	660.00	.....	.....	660.00	263.88	.....
2961	5	No...	60.00	223.60	165.42	449.02	550.00	.....	.....	550.00	100.98	.....
2962	5	No...	65.00	269.71	161.79	496.50	550.00	.....	.....	550.00	53.50	.....
2963	9	No...	92.00	579.53	403.65	1,075.18	560.00	384.00	.....	944.00	.....	131.18
2964	6	No...	60.00	261.70	149.55	471.25	600.00	.....	.....	600.00	128.75	.....
2965	4	No...	60.00	343.26	242.60	645.86	340.00	000.00	48.00	988.00	342.14	.....
2966	6	No...	65.00	231.65	262.39	559.04	394.00	.....	.....	394.00	.....	165.04
2967	5	No...	05.00	224.03	232.29	521.32	500.00	.....	.....	500.00	.....	21.32
2968	6	No...	60.00	270.36	293.44	623.80	550.00	.....	.....	550.00	.....	73.80
2969	11	No...	60.00	373.79	197.34	631.13	415.00	.....	192.00	607.00	.....	24.13
2970	5	No...	60.00	239.53	318.54	618.07	679.00	.....	96.00	775.00	156.93	.....
2971	6	No...	60.00	254.05	172.34	486.39	405.00	.....	.....	405.00	.....	81.39
2972	6	No...	60.00	256.55	116.09	432.04	400.00	.....	.....	400.00	.....	32.64
2973	6	No...	48.00	230.59	189.90	468.49	550.00	.....	.....	550.00	81.51	.....
2974	6	No...	48.00	176.48	96.85	321.33	456.00	.....	.....	456.00	134.67	.....
2975	6	No...	96.00	262.84	186.60	545.44	600.00	180.00	.....	780.00	234.56	.....
2976	8	Yes...	.....	347.02	332.00	679.02	540.00	.....	.....	540.00	.....	139.02
2977	3	Yes...	.....	211.23	250.20	461.43	550.00	.....	.....	550.00	88.57	.....
2978	0	No...	66.00	326.76	276.00	668.76	450.00	375.00	.....	825.00	156.24	.....
2979	2	No...	48.00	153.00	121.90	322.90	480.00	.....	.....	480.00	157.10	.....
2980	3	No...	48.00	180.30	215.70	444.00	000.00	.....	.....	600.00	156.00	.....
2981	4	Yes...	.....	271.18	331.35	602.53	552.00	.....	.....	552.00	.....	50.53
2982	7	No...	84.00	413.53	294.36	791.80	1,080.00	.....	.....	1,080.00	288.11	.....
2983	6	No...	84.00	356.00	239.03	679.03	1,080.00	.....	.....	1,080.00	406.97	.....
2984	4	No...	84.00	209.91	200.38	404.29	780.00	.....	.....	780.00	285.71	.....
2985	2	No...	84.00	194.38	227.15	505.53	780.00	.....	.....	780.00	274.47	.....
2986	4	No...	84.00	270.05	214.77	568.82	600.00	.....	.....	600.00	31.18	.....
2987	4	No...	54.00	228.02	129.62	411.64	615.50	85.00	.....	700.50	288.86	.....
2988	8	No...	72.00	436.64	476.63	985.27	1,060.00	.....	.....	1,060.00	74.73	.....
2989	9	No...	78.00	570.56	563.88	1,218.44	960.00	712.00	.....	1,672.00	453.56	.....
2990	8	Yes...	.....	365.50	298.53	664.03	565.00	360.00	.....	925.00	260.97	.....
2991	5	No...	72.00	220.43	179.99	472.42	480.00	.....	.....	480.00	7.58	.....
2992	8	Yes...	.....	571.90	396.40	968.30	485.00	375.00	.....	860.00	.....	108.30
2993	8	Yes...	.....	514.50	280.85	795.35	400.00	648.00	.....	1,048.00	252.65	.....
2994	3	Yes...	.....	270.05	158.65	428.70	480.00	.....	.....	480.00	51.30	.....
2995	5	No...	65.00	233.94	151.15	450.00	040.00	.....	.....	040.00	480.91	.....
2996	2	No...	60.00	128.30	75.79	264.09	375.00	.....	.....	375.00	110.91	.....
2997	7	No...	84.00	250.31	102.65	532.06	550.00	.....	.....	550.00	17.04	.....
2998	7	No...	84.00	304.16	281.92	607.08	660.00	.....	.....	660.00	.....	10.08
2999	2	No...	00.00	149.05	158.09	367.14	550.00	.....	.....	550.00	182.86	.....
3000	3	No...	60.00	160.18	83.70	303.97	430.00	.....	.....	400.00	06.03	.....
3001	2	No...	65.00	141.13	108.14	314.27	500.00	.....	.....	500.00	185.73	.....
3002	3	No...	65.00	161.38	106.62	333.00	465.00	.....	.....	465.00	122.00	.....
3003	3	No...	60.00	180.00	150.99	390.99	720.00	.....	.....	720.00	229.01	.....
3004	5	No...	60.00	180.03	141.25	361.28	600.00	.....	.....	600.00	218.72	.....
3005	7	No...	60.00	257.85	465.75	783.60	665.00	.....	54.00	710.00	64.60	.....
3006	5	No...	84.00	177.51	245.84	507.35	600.00	480.00	.....	1,080.00	572.65	.....
3007	4	No...	84.00	177.19	140.42	401.01	530.00	.....	.....	530.00	128.39	.....
3008	3	No...	84.00	141.18	195.72	420.90	600.00	.....	.....	600.00	179.10	.....
3009	11	No...	84.00	108.78	216.49	469.27	420.00	.....	672.00	1,092.00	622.73	.....
3010	3	No...	84.00	161.82	152.92	398.74	500.00	.....	.....	500.00	101.26	.....
3011	4	No...	84.00	173.00	148.92	405.02	000.00	.....	.....	600.00	194.08	.....
3012	5	No...	84.00	176.55	152.17	412.72	565.00	.....	.....	565.00	152.28	.....
3013	5	No...	84.00	191.44	122.53	397.07	580.00	.....	.....	580.00	182.03	.....
3014	2	No...	60.00	206.21	181.21	447.52	480.00	.....	.....	480.00	32.48	.....
3015	4	No...	60.00	266.29	169.13	495.42	415.00	.....	.....	415.00	.....	80.42
3016	5	No...	30.00	130.73	98.50	259.23	247.80	.....	25.00	272.80	13.57	.....
3017	2	No...	30.00	90.60	75.90	196.50	105.00	.....	.....	195.00	.....	1.50
3018	5	No...	30.00	116.65	90.05	236.70	236.00	.....	.....	236.00	.....	.70
3019	4	No...	18.00	168.60	104.00	290.60	310.00	.....	.....	310.00	19.40	.....
3020	7	Yes...	.....	198.70	172.60	371.30	300.00	40.50	.....	340.50	.....	30.80



TABLE XIX.—COKE : COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Concluded.

Budget number.	Number in family.	Own house.	Expenditure for—				Income from—				Surplus.	Deficit.
			Rent.	Food.	All other purposes.	Total.	Husband.	Wife and children.	All other sources.	Total.		
3021	3	No..	\$24.00	\$87.25	\$74.30	\$185.55	\$175.00	.....	.....	\$175.00	.....	\$10.55
3022	3	No...	24.00	82.30	83.30	189.60	197.50	.....	.....	197.50	.....	.....
3023	7	No...	36.00	165.10	118.65	319.75	250.00	.....	.....	250.00	\$7.90	.....
3024	6	Yes...	.....	125.80	118.30	244.10	185.00	.....	\$50.00	300.00	.....	19.75
3025	3	No...	30.00	119.70	97.25	246.95	175.00	\$60.00	.....	245.00	.90	.....
3026	6	Yes...	.....	139.85	111.55	251.40	200.00	50.00	25.00	200.00	.....	46.95
3027	2	No...	48.00	99.10	113.13	260.23	250.00	.....	.....	250.00	.....	1.40
3028	4	No...	42.00	89.80	85.50	217.30	198.75	.....	.....	198.75	.....	10.23
3029	6	No...	30.00	110.40	95.50	235.90	225.00	.....	.....	225.00	.....	18.55
3030	6	No...	15.00	128.60	121.10	264.70	178.75	.....	30.00	208.75	.....	10.90
3031	4	No...	36.00	171.75	178.30	386.05	393.60	.....	.....	393.60	7.55	.....
3032	2	No...	36.00	137.65	138.90	312.55	380.00	.....	.....	380.00	67.45	.....
3033	6	No...	Free.	183.40	151.50	334.90	437.00	.....	.....	437.00	102.10	.....
3034	3	No...	Free.	156.80	201.50	358.30	360.00	.....	.....	360.00	1.70	.....
3035	5	No...	36.00	154.60	147.60	338.20	380.00	.....	.....	380.00	41.80	.....
3036	5	No...	36.00	157.45	113.00	306.45	342.00	.....	.....	342.00	35.55	.....
3037	6	No...	24.00	193.40	187.50	404.90	409.75	.....	25.00	434.75	29.85	.....
3038	5	No...	36.00	181.65	176.40	394.05	360.00	100.00	.....	460.00	65.95	.....
3039	6	No...	36.00	193.00	142.60	371.60	315.00	.....	100.00	415.00	43.40	.....
3040	9	No...	20.00	238.50	229.80	498.30	390.00	100.00	.....	490.00	.....	8.30
3041	3	No...	24.00	145.50	120.40	289.90	315.00	.....	40.00	355.00	65.10	.....
3042	4	No...	36.00	118.00	129.00	283.00	375.00	.....	.....	375.00	92.00	.....
3043	6	No...	36.00	165.50	156.00	358.10	368.00	.....	.....	366.00	7.90	.....
3044	3	No...	36.00	103.50	100.40	239.90	340.00	.....	.....	340.00	100.10	.....
3045	4	Yes...	.....	107.50	83.40	190.90	390.00	.....	.....	290.00	169.10	.....
3046	2	No...	36.00	87.50	118.60	242.10	400.00	.....	.....	400.00	157.90	.....
3047	8	No...	36.00	302.00	214.90	552.90	325.00	100.00	150.00	575.00	22.10	.....
3048	8	Yes...	.....	268.67	250.22	527.89	289.50	317.29	.....	606.79	78.90	.....
3049	10	No...	27.79	250.14	194.94	472.87	188.18	275.03	.....	463.21	.....	9.66
3050	4	No...	26.06	154.99	88.40	269.45	127.38	140.50	.....	267.88	.....	1.57
3051	6	No...	23.16	173.90	108.18	305.24	175.15	.....	.....	175.15	.....	130.09
3052	6	No...	21.42	126.24	123.15	270.81	285.60	.....	.....	285.60	14.79	.....
3053	9	No...	42.84	166.32	135.62	344.78	257.04	.....	68.54	325.58	.....	19.20
3054	6	No...	71.40	350.24	174.14	595.78	228.48	202.30	222.77	653.55	57.77	.....
3055	6	No...	31.42	147.00	185.63	364.05	342.72	.....	.....	342.72	.....	21.33
3056	7	No...	46.41	301.40	200.81	548.62	342.72	.....	205.68	548.35	.....	.27
3057	3	No...	35.70	103.47	134.26	273.43	285.60	.....	.....	285.60	12.17	.....
3058	3	No...	39.51	90.30	165.35	295.16	257.04	.....	.....	257.04	.....	38.12
3059	13	No...	49.98	402.46	215.16	667.60	228.48	350.80	47.60	635.04	.....	31.66
3060	6	No...	28.56	128.28	114.93	271.77	271.32	.....	.....	271.32	.....	.45
3061	6	No...	21.42	175.18	104.57	301.17	238.00	.....	51.41	289.41	.....	11.76
3062	2	No...	23.32	179.42	101.22	303.96	295.15	.....	.....	295.15	.....	8.81
3063	2	No...	22.14	176.36	87.15	285.65	340.90	60.83	.....	401.73	116.08	.....
3064	3	No...	22.87	195.47	110.03	328.37	328.37	.....	.....	328.37	.....	.....
3065	2	No...	12.14	120.85	65.04	199.03	192.23	.....	.....	192.23	.....	6.80
3066	2	No...	21.90	121.50	70.05	214.35	224.35	.....	.....	224.35	10.00	.....
3067	3	No...	25.31	154.11	90.31	269.73	292.72	.....	.....	292.72	22.99	.....
3068	4	No...	29.52	175.37	135.97	340.86	340.86	.....	.....	340.86	.....	.....
3069	4	No...	50.61	151.60	65.58	267.79	253.05	.....	.....	253.05	.....	14.74
3070	5	No...	44.29	223.38	134.77	408.44	468.16	.....	.....	468.16	59.72	.....
3071	6	No...	44.29	205.36	120.94	379.59	379.59	.....	.....	379.59	.....	.....
3072	7	No...	44.29	248.07	137.97	430.33	389.32	63.26	.....	452.58	22.25	.....
3073	3	No...	50.61	197.01	177.98	425.60	389.32	97.33	.....	486.65	61.05	.....
3074	3	No...	22.14	126.53	81.66	230.33	188.82	.....	.....	188.82	.....	41.51
3075	8	No...	60.10	293.70	236.77	590.57	379.59	233.59	.....	613.18	22.61	.....
3076	8	No...	50.61	430.22	233.60	714.43	379.59	389.32	.....	768.91	51.48	.....



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS.

[No inference can be drawn from lack of fulness in some of these notes, as uniformity of statement was found to be impracticable and was not insisted upon.]

- 2799. Surplus invested in real estate; house clean and comfortable; cow and poultry.
- 2800. In debt; house clean and well furnished.
- 2801. In debt; family pious, honest, and good workers; house clean.
- 2802. Surplus on hand; poorly furnished but clean; pick up coal, coke, and kindling.
- 2803. In debt; house comfortably furnished.
- 2804. Surplus on hand; surroundings unhealthy.
- 2805. In debt; house out of repair; surroundings filthy and unhealthy.
- 2806. In debt; company house; few comforts.
- 2807. In debt; only one room; furniture broken and house in filthy condition.
- 2808. In debt; company house; no furniture; surroundings filthy.
- 2809. In debt; company house; smoky rooms, bare floors, broken furniture, filthy beds.
- 2810. Surplus on hand; one room, clean and well furnished.
- 2811. Surplus on hand; two rooms, clean and well kept.
- 2812. Surplus on hand; one room, comfortably furnished.
- 2813. Surplus on hand; company house; dirty from smoke of coke ovens.
- 2814. Surplus invested in lot; company house, in clean, tidy condition; own lot.
- 2815. Surplus invested in lot; company house, in good order.
- 2816. In debt; company house; shanty poorly furnished.
- 2817. Surplus on hand; company house; neat and comfortable.
- 2818. Surplus invested in lot; three miserably kept rooms; three cows, also hogs.
- 2819. In debt; double house, in bad condition; coke smoke the cause.
- 2820. In debt; poor house; dirty and disordered by smoke and soot.
- 2821. Surplus invested in real estate; own house, nicely built.
- 2822. In debt; own house, clean and comfortably furnished.
- 2823. Surplus on hand; company house.
- 2824. Surplus on hand; plank house; small rooms, crowded and smoky.
- 2825. Surplus on hand; company house; cannot keep clean on account of smoke.
- 2826. In debt; company house; clean, comfortable log cabin; organ and books.
- 2827. Surplus used in paying debts; company house; kept in bad condition by coke smoke.
- 2828. In debt; company house, a miserably built log cabin; rent two rooms.
- 2829. In debt.
- 2830. Surplus in bank.
- 2831. In debt; vegetable garden.
- 2832. In debt.
- 2833. Surplus on hand.
- 2834. Surplus on hand; rent free; vegetable garden; cow, pigs, and poultry.
- 2835. In debt; vegetable garden.
- 2836. Surplus in bank; vegetable garden; poultry.
- 2837. In debt; vegetable garden; poultry.
- 2838. Surplus in bank.
- 2839. Surplus on hand; intelligent, pleasant people; cow.
- 2840. Surplus on hand; wife ignorant.
- 2841. Surplus used in paying old bills.
- 2842. Surplus on hand.
- 2843. Surplus on hand; cows, hogs, and poultry.
- 2844. Surplus on hand; cows, hogs, and poultry.
- 2845. In debt.
- 2846. Surplus in bank; live well.
- 2847. Surplus in bank.
- 2848. Surplus in bank; prosperous family.
- 2849. Surplus on hand; live comfortably; energetic worker.
- 2850. Surplus on hand; live comfortably.
- 2851. Surplus on hand; raise own vegetables; cow, hogs, and poultry.
- 2852. Surplus in bank.
- 2853. Surplus on hand; small shanty, surroundings filthy and unhealthful.
- 2854. Surplus on hand.
- 2855. Surplus on hand; raise own vegetables.
- 2856. Surplus on hand.
- 2857. Surplus in bank.
- 2858. Surplus on hand; raise own vegetables.
- 2859. In debt; raise own vegetables.
- 2860. Surplus on hand.
- 2861. Surplus on hand.
- 2862. Surplus in bank; raise own vegetables.
- 2863. Surplus on hand.
- 2864. Surplus in bank.
- 2865. Surplus on hand.
- 2866. Surplus in bank; raise own vegetables.
- 2867. Surplus on hand.
- 2868. Surplus on hand; tenement and family in filthy condition.
- 2869. Surplus in bank.
- 2870. In debt.
- 2871. Surplus on hand.
- 2872. Surplus in bank.
- 2873. Surplus in bank.
- 2874. In debt.
- 2875. In debt.
- 2876. Surplus on hand.
- 2877. Surplus on hand.
- 2878. Surplus on hand.
- 2879. In debt.
- 2880. Surplus in bank.
- 2881. Surplus in bank.

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

2882.	Surplus on hand.
2883.	Surplus in bank.
2884.	Surplus spent in repairing house.
2885.	Surplus on hand; own house; vegetable garden.
2886.	Surplus on hand.
2887.	Surplus in bank.
2888.	Surplus on hand; house uncomfortable.
2889.	Surplus in bank.
2890.	Surplus on hand; live comfortably.
2891.	Surplus on hand.
2892.	Surplus on hand.
2893.	Surplus in bank; raise own vegetables.
2894.	Surplus on hand; hard worker.
2895.	In debt.
2896.	Surplus on hand.
2897.	Surplus on hand; hogs and poultry; raise own vegetables.
2898.	Surplus on hand.
2899.	Surplus on hand.
2900.	Surplus in bank.
2901.	In debt.
2902.	Surplus in bank.
2903.	Surplus on hand.
2904.	Surplus on hand.
2905.	Surplus in bank.
2906.	Surplus on hand.
2907.	Surplus on hand.
2908.	Surplus on hand.
2909.	Surplus in bank.
2910.	Surplus in bank; cow and poultry.
2911.	Surplus on hand; poultry.
2912.	In debt.
2913.	Surplus sent to friends in Germany to pay their traveling expenses to the United States.
2914.	Surplus on hand.
2915.	Small surplus.
2916.	Surplus in bank.
2917.	Surplus on hand; home pleasant.
2918.	In debt; intelligent family.
2919.	Surplus in bank; vegetable garden.
2920.	Surplus on hand; woman an invalid.
2921.	Surplus in bank.
2922.	Surplus on hand.
2923.	Surplus in bank; hard worker.
2924.	Surplus on hand; house filthy; family poorly clad.
2925.	Surplus in bank; husband speaks no English; house neat.
2926.	Surplus on hand.
2927.	Surplus on hand; house dirty.
2928.	Surplus on hand.
2929.	Surplus on hand; live comfortably.
2930.	Surplus in bank.
2931.	Surplus on hand; raise own vegetables; cow and poultry.
2932.	In debt; vegetable garden.
2933.	Surplus on hand.
2934.	Surplus used in repairs; own house; raise own vegetables.
2935.	Surplus on hand.
2936.	Surplus on hand.
2937.	Surplus in bank.
2938.	Surplus on hand.
2939.	In debt.
2940.	Surplus in bank; vegetable garden; hogs.
2941.	Surplus in bank.
2942.	Surplus on hand.
2943.	Surplus on hand.
2944.	Surplus on hand.
2945.	Surplus in bank.
2946.	Surplus on hand.
2947.	Surplus on hand.
2948.	Surplus on hand; makes most of his money keeping boarders.
2949.	Surplus on hand.
2950.	In debt.
2951.	Surplus on hand; woman an invalid; girls do housework; vegetable garden.
2952.	Surplus on hand.
2953.	Surplus in bank.
2954.	Surplus on hand; intelligent and happy family; poultry and cow.
2955.	Surplus in bank; poultry.
2956.	Surplus on hand.
2957.	In debt; poultry.
2958.	Surplus on hand.
2959.	Surplus in bank.
2960.	Surplus on hand.
2961.	Surplus in bank; cow.
2962.	Surplus on hand; poultry.
2963.	In debt.
2964.	Surplus in bank.

TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

2965.	Surplus in bank; company house; cow.
2966.	In debt.
2967.	In debt; vegetable garden.
2968.	In debt.
2969.	In debt.
2970.	Surplus in bank; vegetable garden; cow and poultry.
2971.	In debt.
2972.	In debt; cow and poultry.
2973.	Surplus on hand.
2974.	Surplus on hand; house remarkably neat.
2975.	Surplus in bank; house neat; poultry.
2976.	In debt; own house; cow.
2977.	Surplus on hand; own house; cow.
2978.	Surplus in bank; poultry.
2979.	Surplus on hand; poultry.
2980.	Surplus in bank; poultry.
2981.	In debt; own house.
2982.	Surplus on hand; cow.
2983.	Surplus in bank; cow.
2984.	Surplus on hand; poultry.
2985.	Surplus in bank.
2986.	Surplus on hand; cow.
2987.	Surplus in bank.
2988.	Surplus on hand.
2989.	Surplus in bank.
2990.	Surplus in bank; own house; vegetable garden.
2991.	Surplus on hand.
2992.	In debt; own house; raise vegetables.
2993.	Surplus on hand; own house; vegetable garden.
2994.	Surplus on hand; own house; vegetable garden.
2995.	Surplus in bank.
2996.	Surplus on hand.
2997.	Surplus on hand; poultry.
2998.	In debt.
2999.	Surplus in bank.
3000.	Surplus on hand.
3001.	Surplus on hand.
3002.	Surplus on hand.
3003.	Surplus on hand.
3004.	Surplus on hand.
3005.	In debt; cow and poultry.
3006.	Surplus on hand; surroundings filthy.
3007.	Surplus in bank.
3008.	Surplus on hand.
3009.	Surplus on hand; house filthy.
3010.	Surplus on hand.
3011.	Surplus on hand.
3012.	Surplus on hand.
3013.	Surplus on hand.
3014.	Surplus on hand.
3015.	In debt.
3016.	Surplus on hand; company house; satisfied if they have enough to eat.
3017.	In debt; two rooms; satisfied if they have enough to eat.
3018.	In debt; few comforts; vegetable garden.
3019.	Surplus on hand; few comforts.
3020.	In debt; own a house and two acres of ground; cow.
3021.	In debt; no evidences of culture.
3022.	Surplus on hand; vegetable garden.
3023.	In debt; few comforts.
3024.	Surplus on hand; own house, but have few of the ordinary comforts.
3025.	In debt; no comforts.
3026.	In debt; own house, but have few comforts; vegetable garden.
3027.	In debt; live comfortably; vegetable garden.
3028.	In debt; vegetable garden; a cow and some poultry.
3029.	In debt; few comforts; vegetable garden.
3030.	In debt; little or no evidence of culture or comfort.
3031.	Surplus on hand; company house, comfortably furnished; vegetable garden.
3032.	Surplus invested in real estate; company house, comfortably furnished; vegetable garden.
3033.	Surplus invested in real estate; house rent free; vegetable garden; cows and poultry.
3034.	Surplus on hand; rent free; few comforts; vegetable garden.
3035.	Surplus on hand; company house; vegetable garden.
3036.	Surplus on hand; company house, comfortably furnished; vegetable garden.
3037.	Surplus on hand; company house; ordinary comforts.
3038.	Surplus on hand; company house; ordinary comforts; vegetable garden.
3039.	Surplus on hand; company house; vegetable garden; cow.
3040.	In debt; company house, comfortable; vegetable garden.
3041.	Surplus on hand; company house, neat, clean, and comfortable.
3042.	Surplus invested in real estate; company house, well furnished; vegetable garden; poultry.
3043.	Surplus on hand; company house, well furnished; vegetable garden; poultry.
3044.	Surplus on hand; company house; few comforts; vegetable garden; cow, poultry.
3045.	Surplus invested in real estate; own house, poorly furnished; vegetable garden; poultry.
3046.	Surplus invested in real estate; company house, nicely furnished; vegetable garden; poultry.
3047.	Surplus on hand; company house, well furnished; vegetable garden.



TABLE XIX.—COKE: COST OF LIVING, BY FAMILIES—Concluded.

## G.—REMARKS—Concluded.

- 3048. Surplus on hand; own house, rooms nicely furnished; large garden.
- 3049. In debt; rooms small and untidy; no signs of culture; garden.
- 3050. In debt; rooms fairly well furnished; much time lost by sickness of husband.
- 3051. In debt; vegetable garden.
- 3052. Surplus on hand.
- 3053. In debt; three boarders; no evidences of culture.
- 3054. Surplus on hand; keep boarders; surroundings good; garden.
- 3055. In debt; garden; hog.
- 3056. In debt; two boarders; garden; hogs
- 3057. Surplus on hand; surroundings comfortable.
- 3058. In debt; surroundings good; signs of culture, such as books and pictures; garden.
- 3059. In debt; rooms small and dark; no external signs of culture.
- 3060. In debt; surroundings good; garden; hog.
- 3061. In debt; no signs of culture; garden; hog.
- 3062. In debt; house poorly furnished; good vegetable garden.
- 3063. Surplus on hand; fairly well furnished house; good vegetable garden.
- 3064. Surplus on hand; good house, fairly furnished; good vegetable garden.
- 3065. In debt; house well furnished; good vegetable garden.
- 3066. Surplus on hand; small house, poorly furnished; good vegetable garden.
- 3067. Surplus on hand; house poorly furnished; good vegetable garden.
- 3068. In debt; fairly well furnished house; good vegetable garden.
- 3069. In debt; poorly furnished house; steady, but can just manage to live.
- 3070. Surplus in bank; small but clean and comfortable house; steady worker.
- 3071. Accounts balance; house poorly furnished.
- 3072. Surplus on hand; house poorly furnished; hard worker.
- 3073. Surplus in savings bank; good house, well furnished; a good, steady worker.
- 3074. In debt; small house, poorly furnished; good vegetable garden.
- 3075. Surplus on hand; good, steady worker; good home; dress well.
- 3076. Surplus in savings bank; respectable family; house fairly well furnished.

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES.

## A.—DESCRIPTION OF THE FAMILY.

Budget number.	Locality.	Nationality.	Occupation or condition of—						Boarders and others.	Total persons in family.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Unknown.		
3077	New York..	American.	Driller.....	Home.....			1			3
3078	do	American.	Driller.....	Home.....			2		4	8
3079	do	American.	Engineer.....	Home.....		5	1			8
3080	do	American.	Driller.....	Home.....			2			4
3081	do	American.	Driver.....	Home.....			3	1		6
3082	do	American.	Ore sorter.....	Home.....	1	2	2		1	8
3083	do	American.	Engineer.....	Home.....		4	2			8
3084	do	American.	Laborer.....	Home.....			1	1	6	10
3085	do	American.	Pit boss.....	Home.....	1		8			11
3086	do	American.	Driller.....	Home.....			3	1	1	7
3087	do	American.	Miner.....	Home.....		1	2			5
3088	do	American.	Miner.....	Home.....					1	3
3089	do	American.	Driller.....	Home.....			2		1	5
3090	do	English.....	Driller.....	Home.....					1	3
3091	do	English.....	Ore sorter.....	Home.....			3	2		7
3092	do	English.....	Laborer.....	Home.....	1				2	5
3093	do	French.....	Mine boss.....	Home.....			1			3
3094	do	French.....	Driller.....	Home.....			2		1	5
3095	do	Fr. Canad.	Laborer and striker.	Home.....					2	4
3096	do	Fr. Canad.	Ore sorter.....	Home.....			1			3
3097	do	Fr. Canad.	Driver.....	Home.....					1	3
3098	do	Fr. Canad.	Driller.....	Home.....			1		7	10
3099	do	Fr. Canad.	Driller.....	Home.....					7	9
3100	do	Fr. Canad.	Driller.....	Home.....			1		6	9
3101	do	Fr. Canad.	Driller.....	Home.....			1		4	7
3102	do	Hungarian	Miner.....	Home.....			2		4	8
3103	do	Irish.....	Ore sorter.....	Home.....		5	1		1	9
3104	do	Irish.....	Driller.....	Home.....		3	3		1	9
3105	do	Irish.....	Driller.....	Home.....		3	2		4	11
3106	do	Irish.....	Miner.....	Home.....		1	2			5
3107	do	Irish.....	Miner.....	Home.....		3	1		1	7
3108	do	Irish.....	Miner.....	Home.....	2			1		5
3109	do	Irish.....	Drill sharpener.....	Home.....			3	4		8
3110	do	Irish.....	Miner.....	Home.....			4			6
3111	do	Irish.....	Miner.....	Home.....					1	3
3112	do	Irish.....	Miner.....	Home.....		5	2			9
3113	do	Irish.....	Miner.....	Home.....		3	2			7
3114	do	Scotch.....	Blacksmith.....	Home.....		1		1	8	12
3115	Ohio.	American.	Driver.....	Home.....			1			3
3116	do	American.	Miner.....	Home.....			4	1		7
3117	do	American.	Laborer.....	Home.....			2			4
3118	do	American.	Laborer.....	Home.....		1				3
3119	do	American.	Laborer.....	Home.....		2				4
3120	do	American.	Miner.....	Home.....	3	1	1			7
3121	do	American.	Miner.....	Home.....			1		3	6
3122	do	American.	Scraper.....	Home.....		1	2			5
3123	do	American.	Driver.....	Home.....						2
3124	do	American.	Laborer.....	Home.....		2				4
3125	do	American.	Foreman.....	Home.....		3	3		2	10
3126	do	American.	Minor.....	Home.....		1				3
3127	do	American.	Unloader.....	Home.....		2	1			5
3128	do	American.	Laborer.....	Home.....			1			3
3129	do	American.	Miner.....	Home.....			1			3
3130	do	American.	Miner.....	Home.....			2			4
3131	do	English.....	Miner.....	Home.....			2			4
3132	do	English.....	Miner.....	Home.....		3	1			6
3133	do	English.....	Foreman.....	Home.....		5	3			10
3134	do	German.....	Mine boss.....	Home.....		4	1			7
3135	do	German.....	Laborer.....	Home.....			1		2	5
3136	do	Irish.....	Miner.....	Home.....						2
3137	do	Irish.....	Trapper.....	Home.....			2	1	1	6
3138	do	Swiss.....	Unloader.....	Home.....		3	2		1	8
3139	do	Swiss.....	Miner.....	Home.....		3	2			7
3140	do	Swiss.....	Miner.....	Home.....						2
3141	do	Swiss.....	Laborer.....	Home.....		4	3			9
3142	do	Swiss.....	Blacksmith.....	Home.....		3	2			7
3143	do	Welsh.....	Miner.....	Home.....						4
3144	Pennsylvania.	American.	Laborer.....	Home.....	1		1			4
3145	do	American.	Foreman, laborers.....	Home.....			2			4
3146	do	American.	Blacksmith.....	Home.....			3			5
3147	do	American.	Engineer, stationary.....	Home.....			4			6
3148	do	American.	Mine boss.....	Home.....	1	1	1			5
3149	do	American.	Laborer.....	Home.....			2			4

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Continued.

Bnd- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total pers- ons in fam- ily.
			Husband.	Wife at home or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
3150	Pennsylvania	American	Engineer	Home		1	2			
3151	do	American	Blacksmith	Home			2			5
3152	do	American	Laborer	Home						4
3153	do	American	Dumper	Home						2
3154	do	American	Laborer	Home				2		4
3155	do	American	Laborer	Home				1		3
3156	do	American	Laborer	Home	1			2		5
3157	do	American	Laborer	Home				1		3
3158	do	American	Laborer	Home	2					5
3159	do	American	Carpenter	Home	2			1	1	5
3160	do	American	Miner	Home	1					3
3161	do	American	Miner and pusher	Home						2
3162	do	American	Miner and pusher	Home				1		3
3163	do	American	Miner	Home				1		3
3164	do	American	Miner	Home				4		6
3165	do	American	Miner	Home				2		4
3166	do	American	Miner	Home				7		9
3167	do	American	Miner	Home				4		7
3168	do	American	Miner and pusher	Home				6		8
3169	do	American	Laborer	Home				3	1	6
3170	do	American	Miner	Home				4		6
3171	do	American	Laborer	Home				1		3
3172	do	American	Miner	Home						2
3173	do	American	Foreman	Home			2			4
3174	do	American	Laborer	Home			1			3
3175	do	American	Engineer	Home				3		5
3176	do	American	Miner	Home				2	2	6
3177	do	American	Miner	Home						2
3178	do	American	Miner	Home						2
3179	do	American	Foreman	Home						2
3180	do	American	Miner	Home						2
3181	do	American	Laborer	Home	3	1		2		8
3182	do	American	Miner	Home				1		3
3183	do	American	Laborer	Home				1	1	3
3184	do	American	Engineer	Home	2	1				5
3185	do	American	Miner	Home	2			2		6
3186	do	American	Miner	Home	1	1				4
3187	do	American	Miner	Home						2
3188	do	American	Miner	Home				1		3
3189	do	American	Miner	Home				1		3
3190	do	American	Miner	Home				2	1	5
3191	do	American	Miner	Home				4		6
3192	do	American	Laborer	Home				2		4
3193	do	American	Engineer	Home	1			2		5
3194	do	American	Laborer	Home				4		6
3195	do	American	Miner	Home				1		3
3196	do	American	Miner	Home				1		3
3197	do	American	Miner	Home				2		4
3198	do	American	Foreman	Home						2
3199	do	American	Miner	Home				1		3
3200	do	American	Laborer	Home				4	2	8
3201	do	American	Laborer	Home	1	2				5
3202	do	American	Engineer	Home				3		5
3203	do	American	Laborer	Home				2	1	5
3204	do	American	Miner	Home		2		2		6
3205	do	American	Miner	Home	2	3		1		8
3206	do	American	Loader	Home	1	1		1		5
3207	do	American	Miner	Home	1			5		8
3208	do	American	Laborer	Home						2
3209	do	American	Miner	Home				3		5
3210	do	English	Miner	Home						2
3211	do	English	Miner	Home				1		3
3212	do	English	Miner	Home				2		4
3213	do	English	Miner	Home				1		4
3214	do	English	Foreman	Home				1	1	4
3215	do	English	Miner	Home				1		3
3216	do	German	Laborer	Home	4			2		8
3217	do	German	Miner	Home						2
3218	Tennessee	American	Blacksmiths' helper	Home				3		5
3219	do	American	Laborer	Home				2	1	6
3220	do	American	Laborer	Home	1			1		4
3221	do	American	Shoveller	Home						2
3222	do	American	Miner	Home				2		4
3223	do	American	Miner	Home				5		7



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## A.—DESCRIPTION OF THE FAMILY—Concluded.

Bud- get num- ber.	Locality.	Nation- ality.	Occupation or condition of—						Board- ers and others.	Total por- sons in fam- ily.
			Husband.	Wife at homo or at work.	Children.					
					At work.	At school.	At home.	Un- known.		
3223	Tennessee ..	American	Oro breaker .....	Home	1	2	1			6
3224	...do .....	American	Mine boss.....	Home	1		7		1	11
3225	...do .....	American	Timberman .....	Home					3	5
3226	Virginia.....	American	Engineer .....	Home						2
3227	...do .....	American	Laborer .....	Home			4		2	8
3228	...do .....	American	Foreman, miners.....	Home			2		1	5
3229	...do .....	American	Foreman, miners.....	Home			2		1	4
3230	...do .....	American	Miner .....	Home			3			5
3231	...do .....	American	Miner .....	Home			2	3	1	8
3232	...do .....	American	Miner .....	Home						2
3233	...do .....	American	Miner .....	Home					2	4
3234	...do .....	American	Laborer .....	Home					2	4
3235	...do .....	American	Miner .....	Home			3		1	6
3236	...do .....	American	Miner .....	Home	2		4			8
3237	...do .....	American	Miner .....	Work				1		3
3238	...do .....	American	Miner .....	Home				1		3
3239	...do .....	American	Blacksmith .....	Home			5	1	1	9
3240	...do .....	American	Miner .....	Home			2	1		5
3241	...do .....	American	Miner .....	Home			2	4	1	9
3242	Germany .....	German	Miner .....	Home			2			4
3243	...do .....	German	Miner .....	Home		1	1		1	5
3244	...do .....	German	Miner .....	Home		4	3			9
3245	...do .....	German	Miner .....	Home	3	2	1			8
3246	...do .....	German	Miner .....	Home	2	4	3			11
3247	...do .....	German	Miner .....	Home	1	4	2			9
3248	...do .....	German	Miner .....	Home			3			5
3249	...do .....	German	Miner .....	Home	1	1				4
3250	...do .....	German	Miner .....	Home		2	3			7
3251	...do .....	German	Miner .....	Home			2			4
3252	...do .....	German	Miner .....	Home	1	4	2			9
3253	...do .....	German	Miner .....	Home			2		1	5
3254	...do .....	German	Miner .....	Home		3			1	6
3255	...do .....	German	Miner .....	Home	2	3	3			10
3256	...do .....	German	Mason .....	Home	2	2				6
3257	...do .....	German	Miner .....	Home		1	1			4
3258	...do .....	German	Miner .....	Home	1	2		2		7
3259	...do .....	German	Miner .....	Home		3	1			6
3260	...do .....	German	Miner .....	Home			3		1	6

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

### B.—AGE AND SEX.

[All ages are given in full years.]

No. of bud. get.	Age of—		The children.																Others, and age and sex unkn.
			First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
	Hus-band.	Wife.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
3077	25	26	1	M.															
3078	37	22	3	F.	1	F.													
3079	45	39	14	F.	13	F.	10	F.	9	F.	8	F.	3	M.					
3080	31	21	4	M.	3	M.													
3081	34	30	9	M.	6	M.	5	F.	1	M.									
3082	38	33	14	M.	8	M.	6	F.	3	M.	1	F.							
3083	43	39	15	F.	13	F.	10	M.	9	M.	6	F.	1	M.					
3084	33	27	10	M.	1	M.													
3085	41	37	16	M.	12	F.	11	M.	9	F.	7	M.	6	F.	4	F.	2	F.	
3086	31	28	12	M.	6	M.	8	F.	2	F.									
3087	32	30	5	M.	3	F.	1	F.											
3088	29	29																	
3089	26	24	3	M.	1	F.													
3090	39	40																	
3091	45	35	12	M.	9	F.	5	F.	4	F.	1	M.							
3092	52	52	22	M.															
3093	30	25	5	F.															
3094	30	27	4	F.	2	F.													
3095	26	21																	
3096	26	25	4	M.															
3097	21	25																	
3098	25	22	2	F.															
3099	32	28																	
3100	32	24	1	M.															
3101	24	25	1	M.															
3102	28	24	3	F.	1	M.													
3103	35	33	15	F.	12	F.	11	M.	7	F.	5	M.	3	F.					
3104	47	36	11	F.	8	F.	6	M.	4	F.	2	M.	1	M.					
3105	29	28	12	M.	10	M.	8	M.	6	M.	4	F.							
3106	30	31	6	M.	4	F.	2	M.											
3107	36	40	10	M.	7	F.	5	M.	1	M.									
3108	65	57	22	M.	20	M.	13	F.											
3109	34	24	13	M.	11	M.	10	F.	7	F.	5	F.	3	F.	1	F.			
3110	32	24	5	M.	4	M.	2	F.	1	F.									
3111	32	27																	
3112	34	32	14	F.	12	F.	10	M.	8	M.	5	M.	2	F.	1	F.			
3113	26	32	14	F.	10	F.	7	F.	5	F.	2	M.							
3114	56	47	20	F.	9	M.													
3115	22	22	1	F.															
3116	33	32	9	M.	6	M.	5	F.	3	M.	2	M.							
3117	26	21	2	F.	1	M.													
3118	29	24	7	F.															
3119	35	37	9	F.	6	M.													
3120	57	53	31	F.	25	M.	21	M.	16	M.	14	M.							
3121	36	27	1	M.															
3122	49	35	18	F.	11	M.	7	M.											
3123	30	24																	
3124	31	22	9	F.	7	F.													
3125	42	35	10	F.	8	F.	6	M.	4	F.	2	M.	1	M.					
3126	34	36	8	F.															
3127	34	32	13	M.	6	M.	4	M.											
3128	31	22	1	F.															
3129	21	21	1	M.															
3130	25	23	4	M.	1	F.													
3131	27	22	2	F.	1	M.													
3132	37	36																	
3133	37	34	12	M.	10	F.	9	M.	6	M.	6	F.	3	M.	2	M.	1	F.	
3134	36	35	13	F.	10	M.	8	F.	6	M.	3	M.							
3135	25	20	1	F.															
3136	24	18																	
3137	35	37	9	F.	6	M.	2	M.											
3138	43	30	11	M.	8	F.	6	F.	4	M.	1	M.							
3139	48	37	9	F.	8	F.	6	M.	1	M.	2	M.							
3140	26	26																	
3141	60	34	12	F.	10	M.	8	M.	6	M.	4	F.	2	F.	1	F.			
3142	51	46	17	F.	14	F.	10	M.	8	F.	5	F.							
3143	20	27	3	F.	2	F.													
3144	39	32	14	M.	11	F.													
3145	34	25	5	F.	2	M.													
3146	26	22	4	F.	3	F.	2	M.											

**TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.**

**B.—AGE AND SEX—Continued.**

[All ages are given in full years.]

No. of bud- get.	Age of—		The children.																Oth- ers, and age and sex unkn.
	Hus- band.	Wife.	First.		Second.		Third.		Fourth.		Fifth.		Sixth.		Seventh.		Eighth.		
			Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	Age.	Sex.	
3147	27	20	4	M.	3	M.	2	F.	1	F.									
3148	55	42	22	M.	8	M.	1	F.											
3149	27	22	3	M.	1	F.													
3150	31	23	6	F.	3	F.	1	M.											
3151	53	49	18	M.	9	M.													
3152	26	21																	
3153	32	26	6	F.	2	M.													
3154	30	23	4	F.															
3155	41	38	14	F.	12	M.	7	F.											
3156	30	26	3	F.															
3157	64	58	20	F.	16	M.													
3158	50	40	16	M.	14	M.	12	M.											
3159	36	36	14	M.															
3160	30	22																	
3161	80	26	4	M.															
3162	33	29	6	M.															
3163	37	32	12	F.	9	M.	6	M.	2	F.									
3164	41	40	16	F.	9	M.													
3165	36	34	14	F.	12	F.	10	M.	8	M.	6	M.	4	M.	1	M.			
3166	44	36	13	F.	10	M.	8	F.	6	M.	4	F.							
3167	38	37	12	M.	10	F.	7	F.	5	F.	3	M.	1	M.					
3168	57	24																	
3169	42	36	12	F.	8	M.	4	M.	2	F.									
3170	52	46	19	F.															
3171	32	24																	
3172	40	40	15	M.	8	F.													
3173	53	40	15	M.															
3174	32	27	9	M.	7	M.	5	M.											
3175	23	20	4	F.	1	M.													
3176	65	63																	
3177	40	35																	
3178	40	36																	
3179	22	19																	
3180	47	44	16	M.	14	M.	11	M.	9	F.	6	M.	4	F.					
3181	24	26	1	F.															
3182	71		30	F.															
3183	51	46	25	F.	20	F.	10	F.											
3184	56	53	17	M.	14	M.	12	F.	10	F.									
3185	45	33	16	F.	15	F.													
3186	49	42																	
3187	31	29	9	M.															
3188	25	20	2	F.															
3189	23	24	3	M.	1	F.													
3190	38	38	13	F.	6	F.	4	M.	2	M.									
3191	32	36	9	F.	6	M.													
3192	39	37	17	F.	16	M.	9	F.											
3193	26	23	5	F.	3	M.	2	M.	1	M.									
3194	24	21	1	M.															
3195	23	21	2	F.															
3196	25	23	4	F.	1	M.													
3197	45	41																	
3198	25	19	2	M.															
3199	49	43	17	F.	13	F.	9	F.	1	F.									
3200	45	47	16	F.	13	F.	8	M.											
3201	29	22	4	F.	2	F.	1	F.											
3202	29	28	9	F.	5	M.	2	M.											
3203	38	31	11	M.	10	M.	6	F.	2	F.									
3204	40	38	16	M.	14	F.	12	F.	10	M.	8	M.	4	F.					
3205	43	39	17	M.	9	F.	5	M.											
3206	43	42	17	M.	13	M.	9	F.	7	M.	4	M.	2	F.					
3207	28	32																	
3208	37	26	11	M.	8	F.	7	M.											
3209	40	38																	
3210	26	17	1	M.															
3211	36	30	8	F.	2	F.													
3212	31	25	2	F.															
3213	28	22	2	M.															
3214	28	27	2	F.															
3215	49	45	19	F.	17	M.	14	M.	16	M.	5	M.	3	M.					
3216	46	47																	





TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME.

Bud- get num- ber.	Own house.	Income from—					
		Occupation of—			Board and lodging.	Other sources.	Total.
		Husband.	Wife.	Children.			
3077	Yes.....	\$350.00					\$350.00
3078	No.....	440.00			\$44.00		484.00
3079	No.....	510.15					510.15
3080	Yes.....	350.40					350.40
3081	No.....	421.00					421.00
3082	No.....	368.20		\$100.00	44.68		512.88
3083	No.....	680.00					680.00
3084	No.....	364.00			520.00		884.00
3085	No.....	333.89		144.00			477.89
3086	No.....	310.22			84.50		394.72
3087	No.....	369.00					369.00
3088	Yes.....	480.00					480.00
3089	Yes.....	493.25					493.25
3090	No.....	125.20					125.20
3091	No.....	350.00					350.00
3092	No.....	381.30			240.00		621.30
3093	No.....	486.90					486.90
3094	No.....	436.43			52.00		488.43
3095	No.....	270.00			81.00		351.00
3096	No.....	240.00					240.00
3097	No.....	130.00			65.00		195.00
3098	No.....	340.00			910.00		1,250.00
3099	No.....	361.00			455.00		816.00
3100	No.....	197.60			468.00		665.60
3101	No.....	269.75			312.00		581.75
3102	No.....	389.75			448.00		837.75
3103	Yes.....	375.00			84.00		459.00
3104	No.....	394.00			26.00		420.00
3105	No.....	392.49			270.00		662.49
3106	No.....	462.50					462.50
3107	Yes.....	415.53					415.53
3108	Yes.....	85.88		460.00			545.88
3109	No.....	527.60					527.60
3110	Yes.....	634.28					634.28
3111	No.....	440.40			56.00	\$60.00	556.40
3112	Yes.....	704.00					704.00
3113	No.....	580.00					580.00
3114	No.....	471.60			435.16		906.76
3115	Yes.....	300.00					300.00
3116	No.....	400.00					400.00
3117	No.....	300.00				60.00	360.00
3118	Yes.....	293.00					293.00
3119	No.....	300.00					300.00
3120	No.....	600.00		620.00			1,220.00
3121	No.....	430.00			102.00		532.00
3122	Yes.....	339.00				10.80	349.80
3123	No.....	360.00					360.00
3124	Yes.....	300.00				11.10	311.10
3125	Yes.....	480.00			100.00		580.00
3126	No.....	360.00					360.00
3127	Yes.....	200.00					200.00
3128	No.....	200.00					200.00
3129	No.....	275.50					275.50
3130	No.....	240.00					240.00
3131	No.....	610.00					610.00
3132	No.....	420.00					420.00
3133	No.....	480.00					480.00
3134	No.....	480.00				14.00	494.00
3135	No.....	395.00			264.00		660.00
3136	No.....	250.00					250.00
3137	Yes.....	300.00			108.00		408.00
3138	No.....	300.00					300.00
3139	No.....	255.00					255.00
3140	No.....	240.00					240.00
3141	No.....	264.80					264.80
3142	No.....	425.00					425.00
3143	Yes.....	240.00					240.00
3144	No.....	375.00		60.00			435.00
3145	No.....	300.00					300.00
3146	No.....	458.00					458.00
3147	No.....	500.00					500.00
3148	No.....	480.00		360.00			840.00
3149	Yes.....	360.00					360.00
3150	No.....	420.00					420.00
3151	Yes.....	364.00					364.00

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Continued.

Bud- get num- ber.	Own house.	Income from—					Total.
		Occupation of—			Board and lodging.	Other sources.	
		Husband.	Wife.	Children.			
3152	No.	\$300.00					\$300.00
3153	No.	358.00					358.00
3154	No.	318.00					318.00
3155	No.	378.00		\$96.00			474.00
3156	No.	312.00					312.00
3157	No.	185.00		126.00		\$70.00	381.00
3158	No.	325.00		80.00			405.00
3159	No.	260.00		70.00			330.00
3160	No.	236.00					236.00
3161	No.	221.63					221.63
3162	No.	289.00					289.00
3163	No.	392.00				95.00	487.00
3164	Yes.	412.00					412.00
3165	No.	452.00				8.00	460.00
3166	Yes.	325.00				10.00	335.00
3167	No.	240.00					240.00
3168	Yes.	75.00				266.00	341.00
3169	No.	450.00					450.00
3170	No.	280.00					280.00
3171	No.	178.00				41.00	219.00
3172	No.	360.00				40.00	400.00
3173	Yes.	156.00				9.00	165.00
3174	Yes.	192.00					192.00
3175	No.	195.40			\$64.00	46.20	305.60
3176	No.	114.00				16.80	130.80
3177	No.	136.80				11.00	147.80
3178	Yes.	300.00				750.00	1,050.00
3179	No.	155.00					155.00
3180	No.	148.90		301.00			449.90
3181	No.	147.00					147.00
3182	No.	185.00			96.00		281.00
3183	Yes.	345.00		296.00		15.00	656.00
3184	No.	136.00		204.00		5.00	345.00
3185	No.	168.00		57.25		60.60	285.85
3186	No.	84.00					84.00
3187	No.	236.00					236.00
3188	No.	150.00					150.00
3189	Yes.	211.00				96.00	307.00
3190	Yes.	146.00					146.00
3191	No.	259.20				42.45	301.65
3192	Yes.	300.00				33.00	333.00
3193	No.	216.00				20.00	236.00
3194	No.	239.80					239.80
3195	No.	277.20					277.20
3196	No.	341.25					341.25
3197	Yes.	420.00				15.00	435.00
3198	No.	360.00					360.00
3199	No.	285.00			240.00		525.00
3200	Yes.	270.00		32.00		5.00	307.00
3201	Yes.	322.00				5.00	327.00
3202	No.	223.00				31.20	254.20
3203	No.	253.60				2.50	256.10
3204	Yes.	245.70		48.00		48.00	341.70
3205	No.	273.60		102.80			376.40
3206	No.	403.20		205.00			608.20
3207	No.	217.60				10.00	227.60
3208	Yes.	173.40					173.40
3209	No.	376.42					376.42
3210	No.	420.00					420.00
3211	No.	425.00					425.00
3212	No.	276.00				20.00	296.00
3213	No.	418.00			168.00		586.00
3214	No.	295.00					295.00
3215	No.	180.00		262.00			442.00
3216	No.	120.00					120.00
3217	No.	300.00					300.00
3218	No.	325.00			60.00		385.00
3219	No.	275.00		140.00			415.00
3220	No.	250.00					250.00
3221	No.	290.00					290.00
3222	No.	300.00					300.00
3223	No.	300.00		140.00			440.00
3224	Yes.	480.00		250.00	90.00	1 6.00	820.00
3225	No.	160.00			160.00	3 5.00	336.00
3226	No.	417.53					417.53



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## C.—SOURCES OF INCOME—Concluded.

Budget number.		Own house.	Income from—					
			Occupation of—			Board and lodging.	Other sources.	Total.
			Husband.	Wife.	Children.			
3227	Yes.....	\$320.32	.....	.....	\$432.00	.....	\$752.32	
3228	No.....	429.00	.....	.....	27.75	.....	456.75	
3229	No.....	523.25	.....	.....	.....	\$21.00	544.25	
3230	No.....	247.00	.....	.....	.....	60.00	307.00	
3231	Yes.....	286.00	.....	.....	.....	7.00	293.00	
3232	Yes.....	283.00	.....	.....	.....	.....	283.00	
3233	No.....	320.32	.....	.....	.....	35.00	355.32	
3234	Yes.....	400.40	.....	.....	.....	.....	400.40	
3235	Yes.....	286.00	.....	.....	.....	.....	286.00	
3236	Yes.....	286.00	.....	\$156.00	.....	.....	442.00	
3237	No.....	260.00	.....	.....	.....	35.00	295.00	
3238	Yes.....	221.00	.....	.....	.....	16.00	237.00	
3239	Yes.....	445.80	.....	.....	.....	16.75	462.55	
3240	No.....	260.00	.....	.....	.....	.....	260.00	
3241	Yes.....	286.00	.....	.....	.....	20.00	306.00	
3242	No.....	264.89	.....	.....	.....	.....	264.89	
3243	Yes.....	199.92	.....	.....	.....	.....	199.92	
3244	Yes.....	238.00	.....	.....	.....	29.99	267.99	
3245	No.....	219.56	.....	80.92	.....	4.76	335.24	
3246	Yes.....	231.23	.....	278.46	.....	17.85	527.59	
3247	Yes.....	344.54	.....	89.25	.....	.....	433.79	
3248	No.....	296.76	.....	.....	.....	.....	296.76	
3249	No.....	203.06	.....	35.70	.....	.....	238.76	
3250	No.....	344.03	.....	.....	.....	.....	344.03	
3251	Yes.....	285.60	.....	.....	.....	90.44	376.04	
3252	Yes.....	243.47	.....	142.80	.....	190.40	581.67	
3253	Yes.....	223.48	.....	.....	.....	83.30	311.78	
3254	Yes.....	283.56	.....	.....	.....	.....	283.56	
3255	Yes.....	241.61	.....	164.22	.....	.....	405.83	
3256	Yes.....	226.08	.....	218.48	.....	29.99	474.55	
3257	No.....	237.70	.....	.....	.....	.....	237.70	
3258	Yes.....	237.85	.....	178.50	.....	.....	416.35	
3259	No.....	224.49	.....	.....	.....	.....	224.49	
3260	Yes.....	241.50	.....	.....	.....	163.03	404.53	

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)

[For continuation of expenditures of these families, see page 1148, *et seq.*]

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
3077		\$15.00		\$3.00		\$2.00						
3078		40.00		20.00		25.00			10	\$1.20	175	\$35.00
3079		48.00		48.00					90	11.25	300	55.00
3080		30.00		25.00			48	\$7.20	120	15.00	228	45.60
3081		30.00		40.00			10	1.50	30	3.75	150	30.00
3082		30.00		26.57			30	4.50	90	11.25	200	38.00
3083		40.00		12.00		30.00	30	4.50	90	11.70	180	36.00
3084		30.00		55.00			50	7.00	100	12.50	250	50.00
3085		40.00		47.80			100	15.00	90	10.80	175	35.00
3086		20.00		48.25					60	7.50	125	25.00
3087		25.00		18.00			40	6.00	50	6.00	120	25.00
3088		35.00		7.00		15.00	90	13.50	40	4.00	150	37.00
3089		25.00		27.00			60	9.00	20	2.00	175	43.75
3090		40.00		20.00		20.00	60	9.00			150	37.00
3091		35.00		32.00		50.00	60	9.00	60	7.50	120	22.00
3092		80.00					30	4.50	80	10.00	200	40.00
3093		30.00		25.00			20	3.00	25	3.00	100	22.00
3094		30.00		35.00					50	6.25	120	24.00
3095		25.00		10.00		15.00	90	13.00	40	5.00	130	26.00
3096		14.00		10.00		4.00	30	4.50	20	2.50	90	18.00
3097		8.00		25.00			20	3.00	40	5.00	96	18.00
3098		60.00		70.00					40	5.00	75	15.00
3099		40.00		32.80		40.00		20.00	240	30.00	250	50.00
3100		40.00		85.00			40	6.00	90	10.80	250	50.00
3101		20.00		55.00			40	6.00	90	10.00	150	30.00
3102		80.00				30.00	40	6.00	80	9.60	175	35.00
3103		36.00				30.00	100	16.00	40	4.00	200	48.00
3104		30.00		48.00			40	6.00	40	5.00	240	48.00
3105		40.00		65.00			40	5.00	80	10.00	240	44.00
3106		30.00		20.00		20.00		10.50	150	18.00	250	50.00
3107		30.00		15.00		10.00	70				120	27.00
3108		40.00		5.80		15.00	60	9.00	40	4.00	20	5.00
3109		50.00				15.00					100	24.00
3110		30.00				14.00	100	15.00	30	3.00	250	55.00
3111		30.00		12.00		12.00			25	2.75	120	26.00
3112		30.00		6.00		25.00			60	6.00	125	31.25
3113		35.00				20.00	20	3.00	40	4.00	200	46.00
3114		25.00		10.00		40.00			40	4.00	240	40.00
3115						542	40	6.00	90	10.80	250	50.00
3116						817	100	19.20	100	10.00	114	26.22
3117						400	35	5.25	63	7.56	120	26.40
3118						390			45	5.40	75	15.00
3119						437			45	5.40	85	21.25
3120						1,400	180	19.20	79	7.90		
3121			257	12.85		500	96	14.40	200	20.00	192	38.40
3122						500					144	28.80
3123						275			25	2.50		
3124						250	156	23.40	80	8.00	208	37.44
3125						900						
3126						300	156	23.40	120	12.00	156	28.08
3127						350						
3128						200	104	13.52				
3129												
3130						300						
3131						833			50	6.20	100	20.00
3132						500	35	5.25	100	10.00	204	44.88
3133						684	20	3.00				
3134						1,000	65	7.80	75	7.50	104	20.80
3135						800	60	9.00	150	13.50	192	42.24
3136						403	40	4.80	36	2.68	96	19.20
3137						800			50	5.00	144	31.68
3138						600				15.00		
3139						400						
3140						350						21.60
3141						300		12.00				
3142						500						
3143			25.00					4.00	30	3.00		
3144						60.00				12.00		15.00
3145						18.00		3.00		12.00		12.00
3146						72.00		6.00		12.00		16.80
3147		50.00										26.50
3148						144.00		12.00		7.20		60.00
3149						48.00		12.00		4.80		9.20
3150		36.00						13.40				24.00

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Continued.

Bud- get num- ber.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
3151						\$78.00					104	\$20.80
3152						88.50			104	\$8.32		26.50
3153					913	73.00					156	31.20
3154						54.75						18.00
3155						109.50				10.40		36.00
3156						73.00				6.25		18.00
3157						86.00						5.00
3158						60.00				10.00	104	20.80
3159						62.00						20.80
3160			364	\$43.68								
3161						32.00				6.00		
3162						55.00					52	13.00
3163						72.00						
3164		\$13.60										
3165		15.00		27.00								
3166		24.60		20.00								5.70
3167						38.46						
3168						82.00						
3169						58.00				8.50		
3170						60.00						18.00
3171						44.04						13.00
3172						60.00						
3173		12.00		27.00								
3174		5.00		24.98							76	15.20
3175						35.00					4	.80
3176						43.80					5	1.00
3177		11.00		9.80							52	10.40
3178						60.00						
3179						37.00					70	17.50
3180		24.00		32.00								
3181		10.00		28.40							52	10.40
3182						72.00					52	13.00
3183		75.00									104	26.00
3184						112.00						
3185						66.00					60	12.00
3186		5.00		19.80								
3187						57.00		\$3.00				18.00
3188						20.00				8.50	19	5.70
3189											60	15.00
3190		20.00		36.00								
3191						45.00						
3192						61.00						
3193						36.00			25	2.50	156	39.00
3194						32.00						
3195						48.00				7.20	48	12.00
3196						59.25				7.20	48	12.00
3197		30.00		22.50						8.90		10.40
3198						52.00			84	8.40	60	18.00
3199						121.00				7.50	156	39.00
3200						39.00						
3201						48.00						
3202						33.00						
3203		12.00	500	30.00							10	2.50
3204						108.00					104	26.00
3205		8.00		30.00							15	3.00
3206		60.00		42.00			52	6.24			104	26.00
3207		12.00		16.00								
3208						32.00			100	10.00	56	14.00
3209						41.95			96	9.60	52	10.40
3210						36.00					104	26.00
3211						84.00				7.20	52	10.40
3212						45.00						
3213						88.00					104	26.00
3214		24.00		12.50					156	15.60	156	39.00
3215						72.00					48	12.00
3216						26.75					208	52.00
3217		6.00		12.00		20.00					12	2.40
3218		6.00		5.00		33.00	10	2.00	120	15.00	60	12.00
3219		12.00		8.00		10.00			90	11.25		
3220		5.00		18.00					90	11.25	4	1.00
3221		4.00		5.00		20.00	10	1.50	90	11.00	20	4.00
3222		5.00		22.00		5.00			120	15.00	10	2.00
3223		8.00		31.00					80	10.00		
3224		20.00		5.00		25.00	25	4.00	6	.75		
									190	23.75	160	28.00



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (1.)—Concluded.

Budget number.	Beef.		Hog products.		Meat (not specified).		Eggs.		Lard.		Butter.	
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Dozen.	Cost.	Lbs.	Cost.	Lbs.	Cost.
3225	.....	\$10.00	.....	\$5.00	.....	\$20.00	.....	.....	100	\$12.50	50	\$10.00
3226	.....	.....	125	12.50	.....	6.00	10	\$1.20	9	.90	36	6.48
3227	.....	.....	1,600	100.00	.....	96.00	100	12.00	200	20.00	150	30.00
3228	.....	.....	300	24.00	.....	.....	.....	.....	200	20.00	100	20.00
3229	.....	.....	250	25.00	.....	5.00	20	2.40	100	10.00	100	15.00
3230	.....	.....	250	25.00	.....	5.00	5	1.00	85	6.50	24	4.80
3231	.....	.....	365	36.50	.....	10.40	16	1.50	130	13.00	20	4.00
3232	.....	.....	200	20.00	.....	5.00	20	3.00	60	6.00	30	6.00
3233	.....	.....	260	26.00	.....	6.50	30	3.60	75	7.50	40	8.00
3234	.....	.....	300	30.00	.....	13.00	24	2.88	130	13.00	50	7.50
3235	.....	.....	200	20.00	.....	5.00	10	1.20	90	9.00	15	3.00
3236	.....	.....	300	30.00	.....	7.00	10	1.20	100	10.00	20	4.00
3237	.....	.....	160	16.00	.....	.....	8	1.20	65	6.50	.....	.....
3238	.....	.....	250	25.00	.....	3.50	10	1.50	100	10.00	40	8.00
3239	.....	.....	500	50.00	.....	10.00	40	4.80	130	13.00	10	2.00
3240	.....	.....	180	18.00	.....	3.00	8	.96	90	9.00	20	3.00
3241	.....	.....	300	30.00	.....	.80	8	.96	65	6.50	5	1.00
3242	.....	.....	.....	30.94	.....	78	11.50	16	2.38	.....	104	29.70
3243	.....	.....	.....	16.66	.....	104	14.85	.....	17.33	.....	.....	6.66
3244	.....	.....	.....	17.85	.....	104	14.85	.....	1.67	.....	.....	57.12
3245	.....	.....	.....	.....	.....	208	32.18	.....	2.50	.....	156	44.65
3246	.....	.....	.....	53.55	.....	156	24.13	.....	3.81	.....	260	67.83
3247	.....	.....	.....	.....	.....	71.88	.....	.....	14.85	.....	156	37.13
3248	.....	.....	.....	.....	.....	182	28.16	52	11.14	.....	104	28.46
3249	.....	.....	.....	.....	.....	18.56	.....	.....	.95	.....	.....	22.28
3250	.....	.....	.....	.....	.....	34.27	.....	.....	9.52	.....	120	31.42
3251	.....	.....	.....	.....	.....	47.60	.....	.....	4.28	.....	.....	23.80
3252	.....	.....	.....	19.04	.....	57.12	.....	.....	.....	.....	.....	35.70
3253	.....	.....	.....	.....	.....	26.18	.....	.....	.....	.....	.....	37.13
3254	.....	.....	.....	12.85	.....	14.85	.....	.....	.....	.....	.....	.....
3255	.....	.....	.....	.....	.....	28.56	.....	.....	.....	.....	.....	14.28
3256	.....	.....	.....	.....	.....	71.40	.....	.....	.....	.....	.....	47.60
3257	.....	.....	.....	.....	.....	22.28	.....	.....	.....	.....	.....	28.56
3258	.....	.....	.....	10.71	.....	40.22	.....	3.57	.....	.....	.....	.....
3259	.....	.....	.....	.....	.....	28.56	.....	4.57	.....	.....	.....	25.13
3260	.....	.....	.....	.....	.....	47.60	.....	.....	23.80	.....	.....	47.60

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)

[For conclusion of expenditures of these families, see page 1151, *et. seq.*]

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
3077	14	\$7.00	40	\$10.00	130	\$10.40	1	\$0.60	4	\$1.60		\$2.00	
3078	24	9.60	20	7.60	300	27.00	2	1.50	40	16.00			\$18.00
3079	14	7.00	7	2.66	312	28.08	7	5.25	24	9.60			7.20
3080	18	9.00	12	4.56	240	19.00						2.00	4.00
3081	30	15.00	24	9.12	300	27.00	3	2.25	10	4.00		3.00	12.00
3082	26	10.40	8	3.04	200	16.00	8	6.00	18	9.00		3.84	.60
3083	24	12.00	12	4.56	375	33.75			40	20.00			18.00
3084	18	9.00	36	13.68	250	22.00			40	20.00		2.00	18.00
3085	26	18.40	12	4.56	250	21.50			40	16.00		2.00	6.00
3086	28	11.20	12	4.56	250	22.00	3	2.25	25	10.00			
3087	24	12.00	24	7.20	200	16.00			8	3.20			
3088	20	10.00	48	14.40	200	16.00	3	1.50	30	13.50		3.00	
3089	30	15.00			300	22.00			28	11.20		4.00	24.00
3090	12	6.00	24	9.00	180	16.00	4	3.00	24	12.00		4.00	
3091	24	9.60	36	12.60	200	18.00			9	4.00		2.00	
3092	24	9.60	60	15.00	300	22.00	2	1.00	10	3.50		4.00	
3093	18	9.00	12	4.56	160	12.80	2	1.50	30	15.00		2.00	6.00
3094	24	12.00	9	3.42	150	12.00	2	1.50	25	12.50			
3095	18	7.20			200	18.00			25	10.00		2.00	7.00
3096	12	4.80	12	4.20	150	13.50	4	3.00	14	6.00		2.00	
3097	12	6.00	6	2.18	90	8.00			12	6.00			
3098	90	36.00			500	45.00			60	30.00		6.00	
3099	30	15.00			300	24.00	4	3.00	40	20.00			
3100	60	24.00			500	42.00	4	3.00	40	18.00			
3101	30	15.00			250	20.00			30	13.50		2.00	7.00
3102	60	15.00	50	15.00	300	22.00			70	28.00		4.50	20.00
3103	12	6.00	24	9.12	250	20.00	3	2.25	20	8.00		2.00	21.00
3104	24	9.60	12	4.20	250	22.50	6	4.50	36	24.00			
3105	36	18.00	48	16.80	375	33.75	12	9.00				3.00	
3106	12	6.00	36	10.80	240	18.00	2	2.00	24	9.60		5.00	20.60
3107	48	24.00			200	16.00	4	2.00				2.40	
3108	12	4.80	24	7.20	200	15.00			60	24.00			19.00
3109	48	12.00	24	6.00	360	25.20	4	2.00	30	13.50		4.80	18.00
3110	24	12.00	12	3.60	200	16.00	4	2.00	10	3.50			20.00
3111	12	6.00	12	3.60	300	23.00			2	1.00		2.40	18.00
3112	24	12.00			400	30.00			7	2.80		6.50	20.00
3113	18	9.00			360	25.00	4	2.00	30	13.50		4.00	20.00
3114	24	12.00	36	13.68	400	32.00	4	3.00				4.00	18.00
3115	2	1.00	18	4.86	133	12.00	2	1.00	10	5.00		3.00	18.25
3116	7	3.50	24	4.48	156	14.00	3	1.50	13	6.50			.75
3117	4	2.00	25	6.75									
3118	3	1.50	30	8.10	134	12.00	2	1.00	10	5.00			9.10
3119			36	9.36	134	12.00	2	1.00	6	3.00			
3120	36	21.60	60	16.20					30	15.00		12.00	
3121	12	6.00	24	6.48	134	12.00	6	3.60					18.00
3122	2	1.00	52	13.52	156	12.48			5	1.75			
3123	3	1.50	24	6.72		18.00	3	1.80	15	6.00			
3124	12	6.00	48	13.44		24.00				12.00			9.00
3125	5	3.00	50	14.00		24.00		3.00					
3126	4	2.40	48	12.96	188	15.00		3.00	8	4.00			1.00
3127			15	3.90	48	3.84		2.00					
3128			12	3.12	80	12.48				7.00			
3129			12	3.12		12.00				1.05			
3130			30	7.80		12.00		2.00					
3131	1	.50	52	14.04	145	12.00	6	3.00	12	6.00		2.00	
3132	4	2.00	48	12.96	200	18.00						8.00	9.10
3133	4	2.00	52	14.00	145	13.00	4	2.00	36	18.00		6.00	
3134	4	2.00	63	17.01	178	16.00	6	3.00	20	10.00			
3135	52	20.80	42	10.34	289	26.00	2	1.20	16	7.20			18.25
3136			36	9.72	125	10.00	6	3.00	12	6.00			5.00
3137	3	1.50	36	9.72	223	20.00	6	3.00	18	9.00			3.75
3138			53	13.52	119	8.33							
3139			36	9.36	125	10.00			30	10.50			
3140			12	3.12		9.00							
3141			36	9.36	96	7.68							
3142			52	13.52	214	15.00							
3143	2	1.00	27	5.75	200	18.00	2	1.00					
3144						18.00			60	18.00			7.30
3145				6.00		26.00				6.00			6.00
3146				6.00		12.00				10.00			5.00
3147				13.00		24.00				11.50			18.25
3148		3.00		21.00		42.00							60.00
3149				6.00		7.75				9.60			18.25
3150		2.69		12.50		12.00				8.60			6.00

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Continued.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
3151				\$8.00		\$11.50				\$9.00			
3152		\$3.50		6.25		12.00				2.50			\$9.12
3153		.75	49	12.25		16.50			26	3.25			1.16
3154		2.75		6.00		12.00				3.60			9.12
3155						18.00			40	5.00			14.60
3156		2.75		6.00		9.00				7.00			8.75
3157		6.00		13.00		12.00				13.50			7.30
3158			50	12.50		12.48			40	6.00			9.00
3159		6.00		6.00		20.40				8.50			7.82
3160	4	1.40	7	1.96					16	6.40			7.28
3161				4.00		12.00		\$3.00		6.00			
3162						12.00							
3163		6.00		8.00		25.40		6.00		3.20			
3164				12.00		32.00							
3165				9.36		19.80		3.90	16	6.40			
3166			52	9.04	365	24.55			26	11.70			
3167				6.00		7.28		7.25					
3168			52	14.56	156	10.92							
3169		3.25		8.00		22.00				16.00			
3170				7.20		8.20				12.00			6.00
3171				3.60		6.00		2.40		12.80			3.00
3172			3	.75		9.36		12.00		9.50			
3173			6	1.80	104	8.32	13	5.20		2.00			
3174			40	12.00	208	16.64	13	5.20		8.00			7.20
3175			26	6.50		15.00		6.00		4.20			2.50
3176			12	3.60		9.00	39	15.60	30	12.00			
3177			24	7.20	104	7.28	3	1.20					
3178		6.00	52	14.56	156	12.48							
3179			18	5.40	104	7.28			25	10.00			7.38
3180			52	13.00	312	21.84	27	10.80		6.00			
3181		3.00		1.80	104	8.32	13	5.20		11.80			8.84
3182		3.25	24	7.20	208	14.56	13	5.20		12.50			.20
3183			36	10.80	260	18.20	26	10.40		15.00			7.80
3184			12	3.36		16.00	26	10.40		12.50			
3185			24	8.40		14.56	16	6.50		.40			2.16
3186			12	3.60	104	7.28	8	3.00		3.00			
3187			12	3.60		9.00			30	14.50			6.00
3188			6	1.80				12.00	24	12.00			
3189			24	7.20		14.00							
3190			24	6.72		12.00				10.00			4.00
3191				7.20		12.00							
3192				5.20	172	12.00			6	2.80			8.75
3193				7.20		12.00				18.75			
3194						7.28		6.00					4.80
3195			12	3.00	180	12.60		6.00	16	6.40			3.00
3196				7.20		16.25				11.60			1.20
3197		.50		4.80		12.00							
3198			12	3.60	156	10.92			14	7.00			4.80
3199			52	15.60		20.00			24	12.00			7.23
3200				7.20		15.00		6.00					
3201				13.00		15.00							
3202			16	4.48	150	10.92	13	5.20	24	10.60			
3203			18	5.04	160	11.20							6.00
3204				3.60	208	14.56		4.00	20	0.80			
3205			52	9.36	180	12.60				10.00			
3206			52	9.36	260	18.20							
3207			12	3.60	104	7.28		6.00					
3208			12	3.36	100	7.00		4.60	24	9.60			6.00
3209		6.32	36	10.08	104	7.28			21	8.40			7.28
3210				6.00		20.40				6.80			
3211		3.25		8.50		24.00		6.00		14.75			
3212		3.00		8.00		12.00			28	13.50			3.00
3213		7.20		4.00		22.00		7.50	20	10.00			8.00
3214		6.00		4.80		12.00		1.20		7.20			
3215			104	26.00	208	14.56	30	15.60					2.60
3216			48	14.40	156	12.48	13	5.20	23	8.80			
3217			48	12.00	125	11.00	4	2.00	6	4.20	\$4.00		
3218			26	6.50	120	10.80	12	6.00	16	9.60	5.00		
3219			60	15.00	160	15.00	4	2.00	6	4.20			
3220			48	12.00			4	2.00	16	11.20	4.00		
3221			80	22.00	100	10.00	4	2.00	16	9.00			
3222			48	14.40	140	12.60	4	2.00	15	10.00			
3223			50	15.00	100	9.00	4	2.00	3	1.80	6.00		
3224			96	28.80	350	31.50	12	6.00	25	17.50	10.00		



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (2.)—Concluded.

Bud- get num- ber.	Tea.		Coffee.		Sugar.		Molasses.		Potatoes.		Cost of—		
	Lbs.	Cost.	Lbs.	Cost.	Lbs.	Cost.	Galls.	Cost.	Bush.	Cost.	Poul- try.	Fish.	Milk.
3225	4	\$2.40	40	\$10.00	180	\$16.00	4	\$2.00	12	\$8.40	\$4.00	.....	\$4.00
3226	.....	.30	.....	7.50	75	7.50	.....	.25	2	1.00	.90	\$0.30	2.40
3227	.....	.....	.....	26.00	200	20.00	1	.50	12	6.00	5.40	1.00	.....
3228	.....	.....	.....	24.00	220	22.00	3	1.50	.....	.....	.....	.....	.....
3229	.....	4.00	.....	2.00	180	18.00	1	.75	5	2.50	.....	1.50	3.00
3230	.....	.....	.....	13.00	100	10.00	.....	.....	2	1.00	2.40	2.00	.20
3231	.....	.....	.....	13.00	130	13.00	2	1.00	6	3.00	.....	1.50	.....
3232	.....	1.00	.....	4.00	60	6.00	2	1.00	6	3.60	3.00	1.00	2.00
3233	.....	.....	.....	6.50	50	5.00	4	2.20	4	2.00	4.80	.50	10.00
3234	.....	.....	.....	13.00	130	13.00	3	1.50	1	.60	3.60	.50	2.00
3235	.....	.....	.....	9.00	90	0.00	2	1.00	.....	.....	2.00	1.00	.....
3236	.....	.....	.....	13.00	100	10.00	12	6.00	.....	.....	5.40	1.00	2.00
3237	.....	5.00	.....	.....	50	5.00	2	1.00	4	2.00	1.50	.....	.....
3238	.....	.....	.....	3.50	100	10.00	3	1.50	1	.75	.90	.30	2.00
3239	.....	.....	.....	13.00	200	20.00	5	2.50	12	7.20	2.40	.50	1.00
3240	.....	.....	.....	13.00	50	5.00	3	1.50	.....	.....	2.40	1.00	2.25
3241	.....	.....	.....	10.00	150	15.00	5	2.50	3	1.50	1.80	1.00	.....
3242	.....	.....	36	11.14	10	1.07	.....	.....	.....	.....	.....	.....	2.38
3243	.....	.....	28	8.81	20	2.38	.....	.....	.....	7.71	.....	.....	1.43
3244	.....	.....	36	11.14	24	2.23	.....	.....	.....	3.57	.....	.....	8.57
3245	.....	.....	52	17.33	78	6.50	.....	.....	.....	9.52	.....	.....	2.50
3246	.....	.....	.....	25.12	.....	4.21	.....	.....	.....	6.25	.....	.....	.....
3247	.....	.....	.....	22.28	.....	5.57	.....	.....	.....	23.56	.....	.....	7.43
3248	.....	.....	26	8.66	52	6.19	.....	.....	.....	7.14	.....	.....	28.56
3249	.....	.....	.....	7.19	.....	1.19	.....	.....	.....	7.14	.....	.....	3.71
3250	.....	.....	26	8.12	52	4.33	.....	.....	.....	12.85	.....	.....	14.85
3251	.....	.....	.....	6.85	.....	1.43	.....	.....	.....	11.90	.....	.....	.....
3252	.....	.....	.....	32.13	.....	2.86	.....	.....	.....	11.90	.....	.....	.....
3253	.....	.....	.....	11.42	.....	2.86	.....	.....	.....	.....	.....	.....	1.79
3254	.....	.....	.....	14.85	.....	1.19	.....	.....	.....	.....	.....	.....	2.38
3255	.....	.....	.....	17.14	.....	2.38	.....	.....	.....	42.84	.....	.....	.....
3256	.....	.....	.....	12.38	.....	6.19	.....	.....	.....	23.80	.....	.....	.....
3257	.....	.....	.....	7.43	.....	1.67	.....	.....	.....	11.90	.....	.....	8.57
3258	.....	.....	52	17.33	.....	.....	.....	.....	.....	11.42	.....	.....	.....
3259	.....	.....	.....	17.33	.....	2.00	.....	.....	.....	21.42	.....	.....	17.14
3260	.....	.....	.....	23.80	.....	4.76	.....	.....	.....	14.28	.....	.....	.....

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

**D.—EXPENDITURE FOR FOOD. (3.)**

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
3077	\$15.00	\$0.60		\$1.20	\$4.00			\$10.00	\$118.60
3078	53.60	2.00		3.20			\$2.50	20.00	312.25
3079	58.80	1.80	\$1.44		3.36		7.80	24.00	320.79
3080	17.00		.96		3.00		1.50	10.00	161.27
3081	33.60				2.00		3.90	10.00	245.62
3082	42.00	.50	1.20	1.25	6.00		3.50	15.00	227.10
3083	54.00		.80		4.50		10.00	20.00	329.11
3084	54.00	2.40		2.50	6.00		3.75	25.00	324.13
3085	66.50		.96		2.50		2.50	15.00	276.22
3086	42.00	1.20			1.50		1.75	20.00	221.71
3087	40.50		1.65				2.70	12.00	192.15
3088	19.25	1.80	.75	1.92				16.00	209.87
3089	40.00	1.40		1.50	7.50		2.00	16.00	242.60
3090	18.00				3.50		5.80	20.00	215.30
3091	35.00	24.00		2.40	5.00		5.00	10.00	249.10
3092	48.50	3.00		2.50	2.00		1.50	20.00	290.60
3093	36.00	2.00		.60	12.00		3.25	20.00	209.96
3094	42.00				4.50		4.53	15.00	203.45
3095	16.80		1.20				5.80	12.00	163.50
3096	28.50				1.80		5.00	12.00	136.30
3097	10.50				2.40		4.73	10.00	105.81
3098	66.00		6.40		15.80		13.80	40.00	469.00
3099	60.00		.96		7.65		6.50	20.00	350.71
3100	56.00		.80		3.00		7.50	15.00	340.30
3101	52.00	4.00	.80		6.60		5.00	20.00	271.50
3102	101.00						8.25	20.00	411.75
3103	48.00	2.00		8.00	5.00		6.50		262.87
3104	50.00		1.60				6.50	24.00	283.90
3105	70.80	3.00		1.60			3.25	20.00	352.20
3106	45.50	1.60		2.50				15.80	243.50
3107	69.00	1.80			2.00		3.00	12.60	198.30
3108	76.50	1.60		1.25	2.00			29.60	265.15
3109	90.00			2.50	3.00		5.50	16.00	321.50
3110	40.00	.90		1.50			3.30	12.00	199.80
3111	46.00	.90		1.50	4.00		1.20	15.00	210.60
3112	115.00		.70	1.80	5.75		1.65	20.00	329.20
3113	71.00				3.00		1.40	12.00	262.90
3114	60.00	2.70		1.50	12.00		6.83	15.00	316.56
3115	22.20				6.60	\$1.25	4.00		186.38
3116	18.90	6.16				1.50	8.70	5.00	208.20
3117	16.20	2.40			7.84	.75	1.00	62.60	163.94
3118	33.75	1.36		3.00		.75	5.10	2.00	152.31
3119	22.40				3.49	1.25	3.00	1.00	122.40
3120	89.20				21.76	3.00	26.00	7.00	457.36
3121	33.16					1.10	3.00	3.00	202.39
3122	45.00		1.25			1.15		6.50	135.25
3123	15.00				8.50			6.00	99.02
3124	20.00							24.00	194.28
3125	45.00		3.00		7.00	1.25	3.00	9.00	202.25
3126	25.00			3.00	1.50		4.80	6.00	180.24
3127	34.20					1.25		7.50	87.69
3128	36.00							3.00	89.12
3129	8.75		1.00					3.00	38.42
3130	25.00		1.00			1.25	10.00	6.00	95.05
3131	31.20				6.50	1.25	0.40	2.00	211.09
3132	49.95				15.76	1.00	1.10	3.00	241.00
3133	20.15	3.60			3.00	1.25	5.00	2.00	184.00
3134	37.80	8.00		4.50	3.20	1.25	10.00	6.00	274.86
3135	53.44				2.64	1.50	11.00	11.50	324.61
3136	32.40			1.50	1.75	.75	5.50	4.00	151.50
3137	35.36				2.00	1.00	6.00	1.75	225.76
3138	42.50			26.00		1.25		3.00	169.60
3139	35.00		3.00			1.25		12.00	142.71
3140	30.00					1.25		12.00	90.37
3141	45.00					1.25		14.00	123.79
3142	40.00		4.50			1.25		8.00	127.77
3143	21.00	.96			8.20	1.25	1.00	31.00	121.16
3144	36.00							30.00	196.30
3145	19.20							45.00	153.20
3146	24.00						12.00	30.00	205.80
3147	23.00							65.00	231.25
3148	30.00							16.00	395.20
3149	18.20						6.00	10.00	149.80
3150	25.00							20.00	158.50
3151	30.00							60.00	217.30

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Continued.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
3152	\$22.50							\$10.00	\$137.19
3153	36.00							20.82	194.93
3154	16.00							25.00	147.22
3155	66.00							39.00	298.50
3156	18.00							24.00	172.75
3157	32.00							3.00	177.80
3158	38.40							20.00	189.18
3159	40.00							20.00	191.52
3160	23.30							6.00	90.02
3161	34.80							12.00	109.80
3162	34.80							20.00	134.80
3163	60.00				\$14.60			26.85	222.05
3164								25.00	82.60
3165	64.80				6.00			12.60	164.86
3166	60.00				8.00			15.00	178.59
3167	42.00				9.20			5.00	115.19
3168	44.16							12.00	163.64
3169	36.00							25.00	176.75
3170	24.00							20.00	155.40
3171	16.70							6.00	107.54
3172	34.80							10.00	136.41
3173	27.00				3.00			3.00	89.32
3174	34.80							3.00	132.02
3175	24.77							26.77	121.54
3176	18.00							2.00	105.00
3177	29.25							6.00	82.13
3178	15.00							37.00	145.04
3179	13.37							6.00	103.93
3180	42.00							12.00	161.64
3181	21.00							3.00	111.76
3182	20.30				3.40			10.00	161.61
3183	29.00							5.00	197.20
3184	48.00				9.00			12.00	223.26
3185	36.00				3.20			5.00	154.22
3186	17.40							1.44	60.52
3187	18.00							12.00	141.10
3188	30.00							8.00	98.00
3189	36.00							25.00	82.20
3190	54.00							12.00	169.72
3191	36.00							22.00	122.20
3192	45.00							12.00	188.25
3193	36.00							10.00	119.95
3194	36.00							18.00	123.28
3195	27.00							12.00	137.20
3196	27.00							20.00	161.80
3197	27.00				6.60			24.60	128.00
3198	36.00							12.00	152.72
3199	54.00							18.00	294.38
3200	28.00							5.00	100.20
3201	23.00							10.00	109.00
3202	36.00							20.00	142.70
3203	42.00							12.00	144.24
3204	36.00							18.00	196.96
3205	45.00							25.00	172.20
3206	54.00							24.00	207.55
3207	12.00	\$11.00						22.50	114.38
3208	22.50							4.00	102.06
3209	34.80				4.20		\$12.65	16.85	175.81
3210	18.00						10.00	12.40	127.20
3211	36.00				14.00			25.00	215.50
3212	27.00							10.00	147.50
3213	45.00						3.00	16.00	263.30
3214	27.00				6.40			3.00	116.10
3215	34.80							20.00	237.56
3216	16.40				4.56		6.00	5.00	99.99
3217	38.10						2.20	15.00	155.50
3218	40.50			\$0.72			5.30	20.00	159.67
3219	31.80						.90	20.00	131.15
3220	17.80				1.00		2.15	15.00	104.65
3221	37.95				3.00		2.00	30.00	161.95
3222	50.00						3.20		131.20
3223	50.00			.54			4.20	20.00	148.29
3224	85.50			2.16	4.00		7.30	30.00	328.51
3225	31.20						2.40	12.00	149.90
3226	19.95		\$0.50	.50	2.60	\$2.95	5.00	1.00	79.73



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## D.—EXPENDITURE FOR FOOD. (3.)—Concluded.

Bud- get num- ber.	Cost of—								Total food.
	Flour and meal.	Bread.	Rice.	Cheese.	Fruit.	Vinegar, pickles, and condi- ments.	Vegeta- bles (not spec- ified).	Food (not spec- ified).	
3227	\$97.80	-----	\$0.50	-----	\$3.00	\$6.20	\$2.00	\$17.00	\$448.40
3228	33.60	-----	-----	-----	-----	2.30	-----	7.80	155.20
3229	27.60	-----	6.00	-----	2.00	1.00	3.50	10.00	139.25
3230	30.00	-----	-----	\$0.20	-----	.80	3.00	5.60	108.50
3231	50.75	-----	-----	.25	3.00	1.50	5.00	6.00	163.40
3232	27.20	-----	-----	.50	2.50	3.45	6.50	8.70	110.45
3233	32.00	-----	1.50	-----	3.50	2.45	5.00	6.70	133.75
3234	41.10	-----	-----	-----	2.00	2.60	13.00	5.25	164.53
3235	36.05	-----	-----	2.00	-----	1.40	3.00	4.60	107.25
3236	84.00	-----	-----	-----	2.50	2.00	6.00	6.20	190.30
3237	25.60	-----	-----	1.00	2.00	.80	2.00	16.00	85.60
3238	26.80	-----	-----	.20	-----	1.30	-----	5.00	100.25
3239	96.80	-----	.60	1.00	5.00	5.15	10.00	6.20	251.15
3240	40.80	-----	.50	-----	1.50	1.00	-----	3.20	108.11
3241	85.20	-----	.40	.60	1.00	2.50	2.50	3.70	166.96
3242	7.14	\$23.80	-----	-----	-----	-----	2.38	3.33	125.76
3243	8.57	42.84	-----	-----	-----	-----	.52	9.52	137.28
3244	-----	74.26	-----	-----	-----	2.48	1.90	21.42	217.11
3245	2.24	30.94	-----	-----	-----	-----	3.45	7.14	158.85
3246	4.62	85.68	-----	-----	-----	-----	2.38	7.14	284.72
3247	19.04	86.63	-----	-----	-----	-----	1.43	7.14	296.94
3248	4.95	37.13	-----	-----	-----	-----	3.71	12.38	176.48
3249	2.38	24.75	-----	-----	-----	-----	3.33	10.95	102.43
3250	4.86	37.13	-----	-----	-----	-----	2.38	2.86	162.59
3251	10.71	21.42	-----	-----	-----	-----	-----	17.85	145.84
3252	-----	59.98	-----	-----	-----	-----	-----	14.28	233.01
3253	-----	42.84	-----	-----	-----	-----	-----	11.90	134.12
3254	4.19	30.94	-----	-----	-----	-----	-----	5.71	84.58
3255	-----	77.11	-----	-----	-----	-----	1.43	3.57	189.69
3256	-----	37.13	2.38	-----	-----	-----	2.38	11.90	215.16
3257	-----	17.14	-----	-----	-----	-----	5.95	3.57	107.07
3258	34.27	35.70	-----	-----	-----	2.38	2.38	2.86	160.84
3259	-----	34.27	-----	-----	-----	-----	2.14	5.71	153.27
3260	5.95	43.32	-----	-----	-----	2.38	-----	13.09	226.58

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES.—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.		Lighting.			Clothing.			Furni- ture and utens- ils.	Tax- es.	
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.			Chil- dren.
3077	O. H.		Wood		\$40.00	Oil	15	\$1.80	\$30.00	\$12.00	\$8.00	\$25.00	\$1.05
3078	3	\$34.00	Wood		90.00	Oil	24	2.88	32.00	18.00	15.00	50.00	
3079	4	21.60	Wood		120.00	Oil	48	5.76	25.00	10.00	80.00	10.00	
3080	O. H.		Wood		60.00	Oil	20	2.50	25.00	10.00	15.00	4.00	
3081	3	24.00	Wood		75.00	Oil	30	3.60	30.00	12.00	50.00	4.00	
3082	3	24.00	Wood		60.00	Oil	30	3.60	30.00	12.00	60.00	30.00	
3083		Free.	Wood		90.00	Oil	40	4.80	35.00	12.00	100.00	2.00	
3084		Free.	Wood		90.00	Oil	24	2.88	40.00	20.00	25.00	55.00	
3085	3	24.00			46.75	Oil	40	4.80	35.00	5.00	45.00	45.00	
3086	3	24.00			54.50	Oil	20	2.40	25.00	10.00	50.00	5.00	
3087	4	66.00	Coal	10	50.70	Oil	30	3.00	50.00	14.00	10.00	15.00	1.00
3088	O. H.		Coal	9	46.00	Oil	40	4.00	50.00	40.00		3.00	4.00
3089	O. H.		Coal	10	55.00	Oil	20	2.00	65.00	25.00	20.00	2.00	2.50
3090	3	21.00	Wood		30.00	Oil	20	2.80	20.00	20.00		4.00	
3091	4	24.00			51.00	Oil	24	2.88	30.00	10.00	60.00	4.00	
3092	6	96.00	Coal	85	42.00	Oil	20	2.00	60.00	20.00		50.00	
3093	4	24.00	Wood		60.00	Oil	20	2.40	50.00	15.00	20.00	55.00	
3094	3	24.00	Wood		90.00	Oil	24	2.88	35.00	16.00	14.00	2.00	
3095	3	20.00	Wood		30.00	Oil	14	1.68	30.00	10.00		40.00	
3096	3	12.00	Wood		25.00	Oil	10	1.25	20.00	10.00	15.00	2.00	
3097	2	12.00	Wood		36.00	Oil	10	1.20	40.00	10.00		20.00	
3098	4	30.00	Wood		80.00	Oil	40	4.80	60.00	30.00	20.00	50.00	
3099	3	24.00	Coal	6	46.50	Oil	24	2.88	30.00	15.00		20.00	
3100	3	24.00	Wood		80.00	Oil	30	3.60	20.00	8.00	6.00	4.00	
3101	3	24.00	Wood		50.00	Oil	26	3.12	30.00	6.00	8.00	20.00	
3102	4	84.00	Coal	10	55.00	Oil	30	3.00	50.00	25.00	20.00	5.00	
3103	O. H.		Wood		45.00	Oil	20	2.40	30.00	15.00	65.00	3.00	1.70
3104	3	30.00	Wood		24.00	Oil	28	3.36	30.00	10.00	60.00	40.00	
3105	7	42.00	Wood		100.00	Oil	50	6.00	30.00	20.00	80.00	18.00	
3106	2	48.00	Coal	6	32.00	Oil	30	3.00	50.00	25.00	25.00	2.00	1.00
3107	O. H.		Coal	5	27.00	Oil	18	1.80	40.00	12.00	60.00	3.00	7.00
3108	O. H.		Coal	7	38.00	Oil	20	2.00	40.00	25.00	100.00	2.00	4.00
3109	12	48.00	Coal	12	60.00	Oil	20	2.00	40.00		102.00	4.00	
3110	O. H.		Coal	5	33.00	Oil	10	1.00	60.00	30.00	75.00	4.00	6.00
3111	10	120.00	Coal	10	55.00	Oil	40	4.00	60.00	25.00		4.00	1.00
3112	O. H.		Coal	10	52.00	Oil	50	5.00	70.00	20.00	100.00	4.00	5.00
3113	4	72.00	Coal	10	55.00	Oil	26	2.60	40.00	15.00	60.00	4.00	
3114	5	24.00			43.00	Oil	30	3.60	30.00	20.00	60.00	5.00	
3115	O. H.		Coal			Oil	18	2.70	70.00	40.00	10.00		3.00
3116	3	49.80	Coal			Oil	18	2.70	15.00	10.00	95.00		3.00
3117	3	30.00				Oil	12	1.80	16.00	10.00	4.00	10.00	
3118	O. H.		Coal			Oil	24	3.60	20.00	20.00	15.00	6.00	
3119		Free.	Coal			Oil	12	1.80	25.00	15.00	16.00		
3120	3	54.00	Coal			Oil	52	7.80	40.00	20.00	225.00	75.00	3.00
3121	3	39.96				Oil	18	2.70	10.00	15.00	5.00	120.00	
3122	O. H.				21.00	Oil	12	2.16	20.00	10.00	50.00	40.00	3.04
3123	2	42.00			10.00	Oil	12	1.80	25.00	12.00		55.00	
3124	O. H.				9.00	Oil	12	1.80	25.00	20.00	20.00		5.00
3125	O. H.				24.00	Oil	40	6.00	25.00	12.00	40.00	10.00	8.00
3126	1	36.00			9.00	Oil	12	1.80	30.00	23.00	12.00	10.00	
3127	O. H.				7.50	Oil		2.16	22.00	6.00	8.00		1.65
3128	2	27.00			18.00	Oil	12	2.16	20.00	8.00	6.00		
3129	1	24.00	Coal		17.50	Oil	10	1.80	25.00	15.00	10.00	100.00	
3130	4	35.00	Coal		12.00	Oil	10	1.80	23.00	15.00	15.00		
3131	4	39.96	Coal			Oil	12	1.80	20.00	10.00	5.00	24.00	3.00
3132	3	39.96	Coal			Oil	24	3.60	40.00	30.00	50.00		
3133	2	39.96	Coal			Oil	18	2.70	35.00	25.00	175.00		
3134		Free.	Coal			Oil	24	3.24	100.00	40.00	100.00	20.00	3.00
3135	3	48.00	Coal			Oil	24	3.60	40.00	20.00	5.00	52.00	3.00
3136	2	39.96	Coal			Oil	24	3.60	25.00	15.00		21.00	
3137	O. H.					Oil	12	1.80	50.00	25.00	30.00	5.00	4.10
3138	3	35.00			10.00	Oil	12	1.80	20.00	15.00	50.00		
3139	2	25.00			18.00	Oil	12	2.16	12.00	10.00	25.00		
3140	2	24.00			12.00	Oil	12	2.16	30.00	20.00			
3141	2	40.00				Oil	12	2.16	22.00	8.00	35.00		
3142	4	45.00	Coal		18.00	Oil	12	2.16	30.00	40.00	65.00	6.00	
3143	O. H.		Coal			Oil	12	1.80	50.00	15.00	6.00		3.50
3144	3	12.00			16.00			5.20	42.00	20.00	30.00	13.00	1.42
3145	4	36.00	Coal		7.50			4.80	24.00	13.50	11.00	16.00	1.21
3146		Free.			6.00			1.92	40.00	32.00	20.00	23.00	1.90
3147	6	42.00			16.80			4.20	30.00	25.00	40.00	50.00	1.18
3148	4	48.00			18.00			7.40	40.00	21.00	80.00	17.50	4.27

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
				\$1.00	\$1.00	\$2.50			\$5.00	\$20.00	\$155.00	\$301.35	3077
						2.50		\$10.00	5.00	3.00		260.88	3078
				4.00					7.00	5.00		286.86	3079
				2.50				10.00	15.00	16.00	16.00	177.50	3080
					1.00	1.50			4.80	5.00	12.00	222.90	3081
				1.00		3.00	\$2.00		9.00	14.00	15.00	269.10	3082
						5.00	2.00		7.00	25.00	20.00	301.80	3083
				2.00		2.50			12.00	30.00	15.00	296.88	3084
									8.00	20.00	13.00	251.05	3085
									8.00	30.00	12.00	220.90	3086
\$2.65			\$5.00	10.00		3.00			4.00	50.00	12.00	293.70	3087
1.00			6.00	16.00		2.50			18.00	3.00	48.00	243.15	3088
			6.00	8.00		1.00			6.00	3.00	12.00	208.50	3089
									10.00	5.00		112.80	3090
			6.00		2.00	3.00			12.00	10.00	12.00	218.88	3091
							2.00		4.80	30.00	14.00	329.80	3092
									10.00	5.00	12.00	257.40	3093
				1.00			2.00		8.00	12.00	12.00	215.88	3094
							26.00		6.00	4.00	10.00	154.68	3095
				13.00						4.00	20.00	135.25	3096
							4.00	23.00	4.00	8.00	8.00	152.20	3097
				10.00					12.00	6.00	30.00	354.80	3098
									12.00	5.00	40.00	205.38	3099
				1.00					10.00	90.00	10.00	255.60	3100
			5.00						8.00	4.60	15.00	169.12	3101
1.25			16.00			1.00	3.00		5.00	12.00	20.00	284.00	3102
									7.00	4.00		194.35	3103
				6.00			4.00		7.20	8.00	12.00	224.56	3104
			6.00	7.00		3.00			6.00	14.00	15.00	341.00	3105
5.50	\$7.20		6.00	11.00		2.50			6.00	20.00	10.00	238.00	3106
2.00			8.50	14.00		2.50			5.00	15.00	47.00	250.00	3107
			6.00	11.00		6.00		20.00	4.50	30.00	58.00	350.50	3108
			6.00	20.06		3.00			7.00	15.00	10.00	311.00	3109
			6.00	16.00		1.50			6.00	32.00	16.00	297.00	3110
1.00			6.00	26.00		6.00	10.00		7.00	6.00	15.00	320.50	3111
			5.00	4.00		6.00			5.00	10.00	44.00	364.00	3112
				2.00		6.00	4.00		6.00	3.00	10.00	282.60	3113
			20.00		5.00	22.00			6.00	12.50	115.00	331.10	3114
									5.00	20.00	18.00	215.70	3115
						1.00			7.20	9.00	12.00	203.70	3116
						1.80			4.50		14.00	91.30	3117
									10.00		9.50	85.90	3118
						10.00	196.60		4.80	21.50	44.50	128.60	3119
					1.00	4.00			27.00		45.00	703.40	3120
				4.00		1.00			12.00	9.00	8.00	225.66	3121
						1.00			2.00		61.25	214.45	3122
						2.50		2.00	12.00		70.50	235.30	3123
3.30					2.00	3.00		2.00	16.80		2.50	104.60	3124
						.75	5.00	1.50	5.20	15.00	148.00	302.50	3125
				2.00		1.35			18.00		38.00	185.05	3126
				2.00				3.00	13.00	12.00	39.25	114.91	3127
				2.50				5.00		8.00	35.80	129.96	3128
				2.00				2.00		12.00	9.20	222.00	3129
						1.00			4.80	10.00	23.00	143.80	3130
						5.60			14.00	25.00	54.00	188.56	3131
3.00						8.00			9.25	9.00	10.00	202.16	3132
						4.00			5.00	9.00	39.00	326.84	3134
					1.50	2.00			7.50	8.00	20.00	210.60	3135
						.60			10.00		8.75	123.91	3136
				1.00		1.00			10.80	9.00	5.70	143.40	3137
						3.50		3.00	2.00	10.00	17.75	168.05	3138
				1.00		2.00		8.00	2.40	6.00	4.75	116.31	3139
						2.00		5.00	6.00	3.50	38.50	143.16	3140
								10.00		10.50	50.00	177.66	3141
				3.00	3.00	9.75			2.40	15.00	56.00	295.31	3142
									12.00	3.00	12.55	103.85	3143
				1.00		3.42	3.00		18.25	42.00	32.50	232.37	3144
				2.00	2.00	4.50			18.20	15.65	20.00	175.28	3145
			5.20	6.00		2.00			16.80	10.00	26.00	186.12	3146
				5.00		9.00			7.80	25.00	15.00	270.18	3147
								20.00	35.00	75.00	28.50	408.67	3148



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Bnd. get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and uten- sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Chil- dren.		
3149	O. H.				\$15.00			\$2.00	\$48.00	\$30.00	\$11.75	\$58.00	\$1.51
3150	3	\$30.00			30.00			2.88	37.00	22.00	20.00	15.00	1.45
3151	O. H.				18.00			1.20	20.00	13.50	35.00	40.00	2.87
3152		Free			8.00			3.20	45.00	35.00		41.00	1.21
3153	3	12.00			15.00			3.60	45.00	27.00	9.75	16.00	1.21
3154	3	12.00			16.00			3.20	45.00	30.00	2.85	21.00	1.42
3155	4	12.00			20.00			2.40	30.00	15.00	50.00	9.00	1.68
3156	3	12.00	Coal		6.00			2.40	55.00	20.00	6.00	12.00	1.21
3157		Free			Free			3.20	13.80	8.00	75.00	6.75	1.61
3158	4	12.00			18.00			3.00	10.00	7.00	25.00		1.30
3159	2	30.00			18.00			2.60	30.00	16.00	21.00	7.80	1.21
3160	3	36.00			18.00			2.00	21.00	9.40		17.00	1.21
3161	4	32.00			16.80			1.75	16.00	4.20	3.00	5.90	1.36
3162	3	40.00			17.00			2.00	17.00	12.00	10.00	16.00	1.21
3163	6	50.00			19.80			3.00	31.95	22.00	37.00	6.40	2.68
3164	O. H.				32.00			6.00	24.00	17.85	42.00	19.00	18.68
3165	6	36.00			18.50			3.60	33.60	15.00	109.80	7.00	1.91
3166	O. H.				21.50			3.60	27.75	18.00	50.00	15.00	8.92
3167	5	30.00			12.95			1.80	16.00	8.20	45.00	6.20	2.31
3168	O. H.		Coal		12.00			1.80	10.00	6.50	25.00	20.00	5.34
3169	6	60.00			17.50			3.80	38.00	23.00	52.80	12.00	2.41
3170	3	48.00			16.00			1.80	11.50	7.00	18.00	5.00	1.21
3171	2	20.00			15.00			2.40	30.00	20.00		12.00	1.40
3172	4	50.00			14.00			4.80	20.00	11.00	25.00	4.60	1.40
3173	O. H.		Wood		8.00			2.40	4.00	4.60	8.00		4.00
3174	O. H.				15.00			2.40	2.00	7.00	25.00		5.50
3175	4	30.00	Coal	8	26.00			4.80	38.00	20.00	25.00	19.00	1.40
3176	2	40.00			8.00			.80	6.40	3.90		.30	1.21
3177	2	30.00	Coal	6	19.75			1.40	6.00	10.00		4.00	1.47
3178	O. H.				29.50			7.20	75.00	50.00		20.00	50.00
3179	2	12.00			9.80			1.20	18.00	15.00		8.75	
3180	5	50.00			36.00			6.40	32.00	10.00	96.00	8.40	1.47
3181	3	24.00			19.50			1.20	29.00	15.00	1.50	61.00	
3182	4	24.00	Coal	7	22.75			5.20	20.00		25.00	3.60	1.51
3183	O. H.				29.00	Oil	26	5.20	40.00	30.00	150.00	9.80	10.62
3184	4	24.00						1.80	16.00	3.00	30.00		1.23
3185	5	39.00			13.00			2.60	15.00	11.00	25.00		1.45
3186	4	35.00			12.00			1.20	8.60	5.00			1.40
3187	4	24.00			10.00			2.40	20.00	15.00	8.00	14.00	1.62
3188	2	18.00	Coal		5.75			1.20	8.00	3.00	1.50	4.60	1.61
3189	O. H.				12.80			4.60	18.00	12.00	13.00	12.00	5.60
3190	O. H.		Coal		6.00			2.40	10.00	8.00	16.00		4.00
3191	4	50.00	Wood		5.39			1.20	9.00	7.65	12.00		5.00
3192	O. H.		Coal		12.00			2.40	20.00	13.00	50.00		1.68
3193	3	18.00	Coal	3	9.60			1.80	20.00	11.00	25.00	3.00	1.68
3194	2	18.00	Coal		3.30			2.40	21.00	6.00	3.00	7.00	1.68
3195	4	24.00			12.00			2.40	25.30	8.50	5.30	103.50	1.68
3196	3	24.00	Coal		7.40			2.40	30.00	12.00	14.00	4.50	1.68
3197	O. H.				12.00			1.20	50.00	40.00		5.00	8.00
3198	2	24.00	Coal		4.00			2.40	25.00	8.00	4.00	16.00	1.68
3199	5	24.00						4.80	18.00	5.00	90.00	35.00	1.68
3200	O. H.		Coal		10.00			2.40	15.00	10.00	60.00	15.50	5.12
3201	O. H.		Coal		7.00			1.80	31.00	17.00	25.00	10.00	3.90
3202	2	18.00			12.00			2.00	20.00	13.00	20.00		1.68
3203	4	40.00			15.00	Oil		2.40	15.00	12.00	20.00	3.50	1.68
3204	O. H.				12.60			2.40	23.00	15.00	75.00	6.20	3.00
3205	5	24.00			5.25	Oil	24	4.80	23.00	10.00	47.00	40.00	1.68
3206	5	65.00			18.75	Oil	21	4.20	28.30	14.00	100.00	10.00	
3207	3	24.00			15.25			2.40	28.00	15.80		7.50	1.68
3208	O. H.				15.00			2.40	22.25	11.00	27.00		3.16
3209	3	36.00			20.00			2.80	19.80	24.00		31.90	1.68
3210		Free			12.20			1.80	36.00	31.90	38.70	125.00	
3211	5	48.00			20.00			3.50	36.00	20.00	25.00	11.80	2.68
3212	3	60.00			18.90			4.80	15.00	10.00	5.00	18.70	
3213	4	24.00			18.80			4.80	50.00	30.00	12.00	21.25	
3214	4	24.00			12.60			1.80	35.50	26.00	7.00	35.00	
3215	4	30.00	Coal	8	26.00	Oil	15	6.00	24.00	11.00	125.00	23.00	2.50
3216	3	48.00			11.80			1.32	13.00	6.00		5.00	
3217	2	30.00	Coal		9.00	Oil	14	2.80	20.00	12.00	30.00	2.80	3.50
3218	1	15.00	Coal		12.80	Oil	24	4.80	30.00	20.00	60.00	20.00	4.00
3219	2	30.00	Coal		16.00	Oil	24	4.80	20.00	12.00	40.00	.50	
3220	1	12.00	Wood		10.00	Oil	20	4.00	15.00	10.00		30.00	3.50

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Continued.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers	Amuse- ments and vacation.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
						\$4.00				\$46.00		\$216.26	3149
				\$1.00		.50			\$20.80	12.00	\$27.50	220.13	3150
						1.60		\$3.00	9.60	16.00	15.00	175.77	3151
			\$3.25	2.00		.60		20.00	12.00	11.00	15.00	197.26	3152
				3.25		1.25		6.00	13.40	12.40	10.00	172.61	3153
						3.20				75.00		212.92	3154
				2.00					11.40	9.75	27.50	188.73	3155
				5.20	\$3.00	2.50			18.00	6.00	29.50	170.11	3156
				1.00		13.00			6.00	30.00	26.00	181.06	3157
									11.00		20.00	121.30	3158
										7.50	10.00	144.11	3159
											6.80	111.41	3160
											17.00	109.01	3161
			6.72	3.00		1.80		6.00	10.40	18.50	10.00	171.63	3162
						4.75		35.00	13.00	12.00	25.00	263.48	3163
				7.50		10.00			18.00	30.00	43.00	268.03	3164
			9.20	7.20	1.00	6.80			7.80	20.00	24.00	301.41	3165
\$2.70			9.20	5.00	1.50	8.20			6.00	21.50	20.00	218.87	3166
				3.00					5.40	12.60		143.46	3167
			2.40						13.20	130.00	28.24	254.48	3168
						3.20			16.20	16.00	20.00	264.91	3169
									12.00			120.51	3170
				.25					12.00	14.00		127.05	3171
.68			5.65	2.25		27.00			9.36	10.00	15.00	200.74	3172
.90				.25		1.20			3.84		39.50	76.69	3173
1.40			5.20	.75		1.60			1.92	6.00		73.77	3174
				2.50				5.00	13.00	92.00		276.70	3175
				.50					5.20	9.00		75.31	3176
			5.20	1.00								78.82	3177
3.65				8.00	5.00	4.20	\$10.00	10.00	10.40	15.00	140.00	437.95	3178
				.50					12.48	15.00	10.00	102.73	3179
				1.00		3.00				15.00	25.00	284.27	3180
				.23				10.00	2.00	9.00		172.45	3181
				2.00		1.50			10.00	25.00	3.50	144.06	3182
2.50	\$18.00			4.00		2.50	5.00	2.00	10.40	10.00	18.00	348.02	3183
						6.00		5.00	13.20	12.00	10.00	122.23	3184
.20	13.00			1.50		2.00		3.00	5.20		4.60	133.55	3185
.35			5.20	1.00		2.00			2.00			73.75	3186
				1.00			3.00		8.20	15.00	5.00	125.22	3187
										3.00	5.00	51.66	3188
2.41				1.75				12.00	9.60	18.00	28.40	150.16	3189
				1.00		1.00		6.00		30.00		84.40	3190
				1.00		1.50				15.00	30.00	132.74	3191
1.13				2.00		2.00		3.00	5.20	17.00	13.00	145.73	3192
								6.00	5.20	8.00	12.00	121.28	3193
				2.00		1.50		12.00	13.40	9.50	5.00	105.78	3194
								3.00	11.40	12.00	10.00	219.08	3195
				.50		3.00	5.00	16.00	12.00	17.00	13.80	163.28	3196
5.50		5.00		2.00		2.50	5.00	5.00	6.00	74.00	21.37	242.57	3197
				2.00				15.00	12.00	24.00	8.00	146.08	3198
				.75		.30	5.00	13.00	7.80	16.00	10.00	231.33	3199
1.85				4.00		2.25			10.40	15.00	45.00	196.52	3200
				2.00				3.00	6.00	6.00	35.70	148.40	3201
				.50		1.50		2.00	9.36	7.00	5.00	112.04	3202
				1.00		2.80		2.50	12.00	15.00	10.00	152.88	3203
				2.00		4.00				10.00	14.62	167.82	3204
				1.00		.50		5.00	8.32	4.00	5.00	179.55	3205
2.50				3.00		2.50		7.00	6.00	26.80	120.00	408.05	3206
				.50			5.00	18.00	7.80	17.00	14.80	158.73	3207
				1.00				1.00		22.00		104.81	3208
.74			6.72	2.50		8.75			11.40	32.80	24.60	223.69	3209
			6.72			6.00	15.00			15.00	4.80	293.12	3210
			6.72	2.00		3.50			10.00	20.00		209.20	3211
			.50			5.20			7.80	40.00	21.50	207.40	3212
						5.00	5.00	16.00	8.00	32.00	23.84	251.58	3213
.89								15.00	6.48	10.00	3.00	176.38	3214
				2.00		2.00		25.00	12.00	46.00	10.00	344.50	3215
				.25					3.84	4.00		93.21	3216
							1.00			12.00	8.00	131.10	3217
				4.00	1.00					68.00	4.00	243.60	3218
				3.00	1.00		2.00	5.00	0.00	12.00	80.00	235.30	3219
				2.00	.50			2.00	16.80	10.00	6.00	121.60	3220

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Bud- get num- ber.	Rent.		Fuel.			Lighting.			Clothing.			Furni- ture and utens. sils.	Tax- es.
	Rooms.	Cost.	Kind.	Quan- tity (tons).	Cost.	Kind.	Quan- tity (gal- lons).	Cost.	Hus- band.	Wife.	Child- ren.		
3221	2	\$12.00	Wood	.....	\$12.00	Oil	20	\$4.00	\$20.00	\$10.00	\$20.00	\$1.00	\$3.50
3222	2	15.00	Coal	.....	9.00	Oil	20	4.00	10.00	5.00	40.00	.....	3.50
3223	2	15.00	Wood	.....	20.00	Oil	12	2.40	20.00	12.00	40.00	42.00	3.50
3224	O. H.	.....	Wood	.....	16.00	Oil	40	8.00	30.00	15.00	100.00	17.00	7.75
3225	3	15.00	Coal	.....	6.40	Oil	25	5.00	25.00	15.00	.....	27.50	3.50
3226	4	36.00	.....	.....	16.25	Oil	15	3.00	20.00	10.00	.....	2.75	5.80
3227	O. H.	.....	Coal	3	11.25	Oil	52	10.40	29.10	30.00	24.00	76.00	2.65
3228	4	30.00	.....	.....	22.50	Oil	26	5.20	40.00	20.00	10.00	35.25	.....
3229	2	34.50	.....	.....	23.12	Oil	26	5.20	52.85	16.00	12.00	84.75	.....
3230	.....	Free	.....	.....	17.65	Oil	26	5.20	52.50	21.00	25.00	27.00	1.78
3231	O. H.	.....	.....	.....	27.50	Oil	18	3.60	19.20	15.00	25.00	7.75	1.56
3232	O. H.	.....	.....	.....	22.50	Oil	26	5.20	39.70	20.00	.....	39.15	.....
3233	2	30.00	.....	.....	32.00	Oil	26	5.20	60.00	30.00	.....	3.75	1.58
3234	O. H.	.....	.....	.....	9.75	Oil	26	5.20	37.60	46.00	.....	9.90	2.50
3235	O. H.	.....	Wood	.....	13.00	Oil	13	2.60	31.00	20.00	20.00	5.00	2.65
3236	O. H.	.....	Wood	.....	24.00	Oil	12	2.40	20.50	20.00	85.00	11.75	1.65
3237	.....	Free	.....	.....	4.00	.....	.....	.....	38.50	40.00	10.00	.....	1.58
3238	O. H.	.....	Wood	.....	3.00	Oil	13	2.60	15.75	19.70	6.00	3.20	1.58
3239	O. H.	.....	Wood	.....	24.00	Oil	40	8.00	9.80	6.00	75.00	13.70	3.60
3240	3	33.00	Wood	.....	20.00	Oil	26	5.20	23.40	24.50	16.50	2.25	1.25
3241	O. H.	.....	Wood	.....	24.00	Oil	20	4.00	27.65	10.00	36.00	4.00	2.02
3242	2	40.46	.....	.....	13.09	Oil	10	1.90	15.47	11.90	7.14	16.66	1.89
3243	O. H.	.....	.....	.....	10.00	Oil	.....	3.71	35.70	8.57	14.28	4.28	9.29
3244	O. H.	.....	.....	.....	19.04	.....	.....	4.28	19.04	7.14	33.32	9.52	7.14
3245	3	32.13	.....	.....	7.28	Oil	.....	2.62	6.19	5.95	95.20	7.14	2.08
3246	O. H.	.....	.....	.....	12.85	Oil	13	2.86	11.90	7.14	64.26	30.94	5.04
3247	O. H.	.....	.....	.....	14.28	Oil	.....	4.28	17.85	14.28	41.65	9.52	5.29
3248	2	27.13	.....	.....	7.14	Oil	.....	1.86	14.28	7.14	10.71	29.51	1.47
3249	3	25.70	.....	.....	9.52	Oil	.....	2.02	14.28	4.76	23.80	2.38	2.62
3250	3	32.84	.....	.....	6.43	Oil	.....	4.88	5.95	9.52	19.04	21.42	2.18
3251	O. H.	.....	Coal	.....	10.71	Oil	.....	2.48	28.56	14.28	14.28	23.80	2.57
3252	O. H.	.....	Wood	.....	23.80	Oil	.....	2.28	23.80	16.66	95.20	4.76	9.64
3253	O. H.	.....	Coal	.....	14.28	Oil	.....	6.43	23.80	11.90	16.66	7.14	7.14
3254	O. H.	.....	Coal	.....	10.71	Oil	.....	3.71	19.04	11.90	47.60	7.14	7.09
3255	O. H.	.....	Coal	.....	17.14	Oil	.....	8.57	17.85	7.14	47.60	23.80	3.17
3256	O. H.	.....	Coal	.....	8.57	Oil	.....	3.57	23.80	11.90	71.40	11.90	4.62
3257	2	29.99	Coal	.....	8.57	Oil	.....	3.71	23.80	11.90	14.28	17.85	1.86
3258	O. H.	.....	Coal	.....	8.57	Oil	.....	3.33	22.61	11.90	35.70	5.95	6.72
3259	2	31.42	Coal	.....	5.71	Oil	.....	3.43	16.66	9.52	23.80	4.76	1.39
3260	O. H.	.....	Coal	.....	8.66	Oil	.....	4.57	12.00	14.28	14.28	5.95	4.97



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## E.—EXPENDITURE OTHER THAN FOR FOOD—Concluded.

[O. H. indicates that the family own the house in which they live.]

Insurance.		Organiza- tions.		Relig- ion.	Char- ity.	Books and news- papers.	Amuse- ments and vaca- tion.	Intoxi- cating liquors.	To- bacco.	Sick- ness and death.	Other.	Total for year.	Bud- get num- ber.
Prop- erty.	Life.	La- bor.	Other.										
-----	-----	-----	-----	-----	\$0.50	-----	\$2.00	\$3.00	\$11.00	\$10.00	\$10.00	\$118.50	3221
-----	-----	-----	-----	-----	1.00	-----	-----	-----	5.00	1.00	66.00	159.00	3222
-----	-----	-----	-----	\$2.00	2.00	-----	2.00	3.00	13.00	14.00	30.00	219.90	3223
-----	-----	-----	-----	5.00	2.00	\$1.50	4.00	2.00	37.00	18.00	20.00	283.25	3224
-----	-----	-----	-----	3.00	-----	1.50	8.50	12.00	12.00	6.00	10.00	150.40	3225
\$0.60	-----	-----	\$5.00	1.50	-----	1.50	8.50	15.00	12.00	17.00	19.00	173.90	3226
-----	-----	-----	-----	-----	-----	1.75	1.00	10.00	-----	13.00	67.25	276.40	3227
-----	\$10.00	-----	-----	5.00	-----	4.35	4.00	5.00	15.00	55.00	47.75	309.05	3228
-----	-----	-----	-----	-----	-----	7.00	40.00	10.00	18.00	12.00	55.00	370.42	3229
-----	-----	-----	-----	12.00	.50	7.00	1.50	-----	10.00	12.00	4.50	197.63	3230
-----	-----	-----	-----	3.00	-----	.50	2.70	2.00	18.00	12.00	8.50	146.31	3231
-----	-----	-----	-----	2.00	1.00	2.00	11.00	10.00	10.40	12.00	13.40	188.35	3232
-----	-----	-----	-----	7.50	.75	8.00	10.40	13.00	15.60	23.75	12.50	254.03	3233
-----	-----	-----	-----	6.00	1.00	.20	2.10	12.00	-----	25.50	50.40	208.15	3234
-----	-----	-----	-----	3.00	-----	-----	6.75	12.00	15.00	12.00	30.25	173.25	3235
-----	-----	-----	1.20	10.00	2.00	2.50	1.00	2.00	9.00	25.00	46.00	264.00	3236
-----	-----	-----	-----	-----	-----	-----	5.00	2.00	-----	16.00	29.75	146.83	3237
-----	-----	-----	-----	2.00	-----	-----	13.35	-----	.50	10.00	22.75	100.43	3238
-----	-----	-----	-----	7.50	1.50	2.00	1.10	12.00	25.00	12.00	22.20	223.40	3239
-----	-----	-----	-----	4.20	-----	-----	1.00	12.00	7.30	12.00	5.00	167.60	3240
-----	-----	-----	-----	2.00	.25	2.50	.50	3.00	15.00	6.00	16.00	152.92	3241
-----	5.71	-----	.71	3.71	1.19	.60	-----	.71	3.28	1.19	32.40	158.01	3242
2.14	5.71	-----	-----	5.71	.24	1.67	-----	4.76	6.19	24.99	45.13	182.37	3243
2.14	5.71	-----	-----	2.38	.24	7.71	-----	2.48	2.86	2.38	25.71	151.09	3244
-----	5.71	-----	1.24	.71	.71	5.83	-----	17.37	3.09	4.28	7.43	204.36	3245
4.28	24.40	-----	.71	.48	.71	3.76	.71	9.92	6.19	1.19	36.54	223.84	3246
3.81	5.71	-----	-----	1.43	.48	3.93	-----	13.03	2.67	119.00	52.47	309.68	3247
-----	5.71	-----	-----	.71	.48	1.43	-----	2.86	3.09	.95	9.16	123.63	3248
-----	3.43	-----	-----	.71	-----	2.19	-----	35.70	-----	-----	1.19	128.30	3249
-----	5.71	-----	-----	.52	-----	2.14	-----	6.19	1.19	8.57	2.86	129.44	3250
2.14	5.71	\$1.71	-----	2.38	.60	1.90	4.76	2.38	5.95	35.70	40.93	200.84	3251
4.76	5.71	-----	-----	.60	.60	.48	-----	2.38	2.62	2.38	179.22	374.89	3252
4.76	5.71	2.14	-----	.48	.48	-----	2.38	11.90	1.43	4.76	60.10	181.49	3253
1.43	5.71	-----	-----	.48	-----	.38	-----	-----	2.86	4.76	54.74	177.55	3254
2.14	15.94	-----	-----	.71	-----	-----	4.76	2.33	6.19	7.14	69.97	234.50	3255
2.62	5.71	-----	-----	2.38	1.19	1.43	2.38	2.38	7.14	4.76	33.80	199.55	3256
.71	5.71	-----	2.86	1.19	.48	1.19	-----	2.38	2.86	13.09	2.38	144.81	3257
1.29	5.71	-----	-----	.60	.48	1.43	-----	-----	3.09	2.38	98.77	208.53	3258
-----	5.71	-----	-----	.48	.48	-----	-----	1.67	5.71	11.90	2.86	125.50	3259
1.86	5.71	.71	-----	2.38	1.19	2.50	-----	9.52	5.71	.24	62.83	159.45	3260

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and child- ren.	All other sources.	Total.		
3077	3	Yes..	.....	\$118.60	\$301.35	\$419.95	\$350.00	.....	.....	\$350.00	.....	\$69.95
3078	8	No..	\$34.00	312.25	226.88	573.13	440.00	.....	.....	484.00	.....	89.13
3079	8	No..	21.60	320.79	265.26	607.65	510.15	.....	\$44.00	510.15	.....	97.50
3080	4	Yes..	.....	161.27	177.50	338.77	350.40	.....	.....	350.40	\$11.63	.....
3081	6	No..	24.00	245.62	198.90	468.52	421.00	.....	.....	421.00	.....	47.52
3082	8	No..	24.00	227.10	245.10	496.20	368.20	\$100.00	44.68	512.88	16.68	.....
3083	8	No..	Free.	329.11	301.80	630.91	680.00	.....	.....	680.00	49.09	.....
3084	10	No..	Free.	324.13	296.88	621.01	564.00	.....	520.00	884.00	262.99	.....
3085	11	No..	24.00	276.22	227.05	527.27	333.89	141.00	.....	477.89	.....	49.38
3086	7	No..	24.00	221.71	196.90	442.61	310.22	.....	84.50	394.72	.....	47.89
3087	5	No..	66.00	192.15	227.70	485.85	369.00	.....	.....	369.00	.....	116.85
3088	3	Yes..	.....	209.87	243.15	453.02	480.00	.....	.....	480.00	26.98	.....
3089	5	Yes..	.....	242.60	208.50	451.10	493.25	.....	.....	493.25	42.15	.....
3090	3	No..	21.00	215.30	91.80	328.10	125.29	.....	.....	125.20	.....	202.90
3091	7	No..	24.00	249.10	194.88	467.98	350.00	.....	.....	350.00	.....	117.98
3092	5	No..	96.00	290.60	233.80	620.40	381.30	.....	240.00	350.00	.....	.....
3093	3	No..	24.00	209.96	233.40	467.36	486.90	.....	.....	621.30	90	.....
3094	5	No..	24.00	203.45	191.88	419.33	436.43	.....	52.00	486.90	19.54	.....
3095	4	No..	20.00	163.50	134.68	318.18	270.00	.....	81.00	488.43	69.10	.....
3096	3	No..	12.00	136.30	123.25	271.55	240.00	.....	.....	351.00	32.82	.....
3097	3	No..	12.00	105.81	140.20	258.01	130.00	.....	65.00	240.00	.....	31.55
3098	10	No..	30.00	469.00	324.80	823.80	340.00	.....	910.00	1,250.00	426.20	.....
3099	9	No..	24.00	350.71	181.38	556.09	361.00	.....	455.00	816.00	259.91	.....
3100	9	No..	24.00	340.30	231.60	595.90	197.69	.....	468.00	665.60	69.70	.....
3101	7	No..	24.00	271.50	145.12	440.62	269.75	.....	312.00	581.75	141.13	.....
3102	8	No..	84.00	411.75	200.00	695.75	389.75	.....	448.00	837.75	142.00	.....
3103	9	Yes..	.....	262.87	194.35	457.22	375.00	.....	84.00	459.00	1.78	.....
3104	9	No..	30.00	283.90	194.56	508.46	394.00	.....	26.00	420.00	.....	88.46
3105	11	No..	42.00	332.20	299.00	693.20	392.49	.....	270.00	662.49	.....	30.71
3106	5	No..	48.00	243.50	190.00	481.50	462.50	.....	.....	462.50	.....	19.00
3107	7	Yes..	.....	196.30	250.00	446.30	415.53	.....	.....	415.53	.....	30.77
3108	5	Yes..	.....	265.15	350.50	615.65	85.88	460.00	.....	545.88	.....	69.77
3109	8	No..	48.00	321.50	263.00	632.50	527.60	.....	.....	527.60	.....	104.90
3110	6	Yes..	.....	199.80	297.00	496.80	688.28	.....	116.00	638.28	141.48	.....
3111	3	No..	120.00	210.60	200.50	531.10	440.40	.....	.....	556.40	25.30	.....
3112	9	Yes..	.....	329.20	364.00	693.20	704.00	.....	.....	704.00	10.80	.....
3113	7	No..	72.00	262.90	291.60	545.50	580.00	.....	435.16	580.00	34.50	.....
3114	12	No..	24.00	316.56	307.10	647.66	471.60	.....	.....	906.76	259.10	.....
3115	3	Yes..	.....	186.38	215.70	402.08	300.00	.....	.....	300.00	.....	102.08
3116	7	No..	49.80	208.20	153.90	411.90	400.00	.....	.....	400.00	.....	11.90
3117	4	No..	30.00	163.94	61.39	255.24	309.00	.....	60.00	360.00	104.76	.....
3118	3	Yes..	.....	152.31	85.90	238.21	293.00	.....	.....	293.00	54.79	.....
3119	4	No..	Free.	122.40	128.60	251.00	300.00	.....	.....	300.00	49.00	.....
3120	7	No..	54.00	457.36	649.40	1,160.76	600.00	620.00	.....	1,220.00	59.24	.....
3121	6	No..	39.96	202.39	186.70	429.05	430.00	.....	102.00	532.00	102.95	.....
3122	5	Yes..	.....	135.25	214.45	349.70	339.00	.....	10.80	349.80	10	.....
3123	2	No..	42.00	99.02	193.30	334.32	360.00	.....	.....	360.00	25.68	.....
3124	4	Yes..	.....	194.28	104.60	298.88	300.00	.....	11.10	311.10	12.22	.....
3125	10	Yes..	.....	202.25	302.50	504.75	480.00	.....	100.00	580.00	75.25	.....
3126	3	No..	36.00	180.24	149.05	365.29	360.00	.....	.....	360.00	.....	5.29
3127	5	Yes..	.....	87.69	114.91	202.60	200.00	.....	.....	200.00	.....	2.60
3128	3	No..	27.00	89.12	102.96	219.08	200.00	.....	.....	200.00	.....	19.08
3129	3	No..	24.00	38.42	198.00	260.42	275.50	.....	.....	275.50	15.08	.....
3130	4	No..	35.00	95.05	108.80	238.85	240.00	.....	.....	240.00	1.15	.....
3131	4	No..	39.96	211.00	148.60	399.65	610.00	.....	.....	610.00	210.35	.....
3132	6	No..	39.95	241.00	162.20	443.16	420.00	.....	.....	420.00	.....	23.16
3133	10	No..	39.95	184.00	345.95	569.91	480.00	.....	14.00	494.00	.....	89.91
3134	7	No..	Free.	274.86	326.84	601.70	480.00	.....	264.00	660.00	124.79	.....
3135	5	No..	48.00	324.61	162.00	535.21	396.00	.....	.....	396.00	.....	107.70
3136	2	No..	39.96	151.50	83.05	275.41	250.00	.....	.....	250.00	.....	25.41
3137	0	Yes..	.....	225.76	143.40	369.16	300.00	.....	108.00	408.00	38.81	.....
3138	8	No..	35.00	169.60	133.05	337.65	300.00	.....	.....	300.00	.....	37.65
3139	7	No..	25.00	142.71	91.31	259.02	255.00	.....	.....	255.00	.....	4.02
3140	2	No..	24.00	90.37	119.16	233.53	240.00	.....	.....	240.00	6.47	.....
3141	0	No..	40.00	123.79	137.60	301.45	264.80	.....	.....	264.80	.....	36.65
3142	7	No..	45.00	127.77	250.31	423.08	425.00	.....	.....	425.00	1.92	.....
3143	4	Yes..	.....	121.16	103.85	225.01	240.00	.....	.....	240.00	14.99	.....
3144	4	No..	12.00	196.30	220.37	428.67	375.00	60.00	.....	435.00	6.33	.....
3145	4	No..	36.00	153.20	139.28	328.48	300.00	.....	.....	300.00	.....	28.48
3146	5	No..	Free.	205.80	186.12	391.92	458.00	.....	.....	458.00	66.08	.....
3147	6	No..	42.00	231.25	228.18	501.43	500.00	.....	.....	500.00	.....	1.43
3148	5	No..	48.00	395.20	360.67	803.87	480.00	380.00	.....	840.00	36.13	.....
3149	4	Yes..	.....	140.80	216.26	366.06	360.00	.....	.....	360.00	.....	6.06
3150	5	No..	30.00	158.50	190.13	378.63	420.00	.....	.....	420.00	41.37	.....

TABLE XIX.—IRON ONE: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Continued.

Bud- get num- ber.	Num- ber in fam- ily.	Own house.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur- poses.	Total.	Hus- band.	Wife and chil- dren.	All other sources.	Total.		
3151	4	Yes..	.....	\$217.30	\$175.77	\$393.07	\$364.00	.....	.....	\$364.00	.....	\$29.07
3152	2	No... Free.	.....	137.19	197.26	334.45	300.00	.....	.....	300.00	.....	34.45
3153	4	No... \$12.00	.....	194.93	199.61	367.54	358.00	.....	.....	358.00	.....	9.54
3154	3	No... 12.00	.....	147.22	200.92	360.14	318.00	.....	.....	318.00	.....	42.14
3155	5	No... 12.00	.....	298.50	176.73	487.23	378.00	\$96.00	.....	474.00	.....	13.23
3156	3	No... 12.00	.....	172.75	158.11	342.86	312.00	.....	.....	312.00	.....	30.86
3157	5	No... Free.	.....	177.80	161.06	358.86	185.00	126.00	\$70.00	381.00	\$22.14	.....
3158	5	No... 12.00	.....	189.18	109.80	310.48	325.00	80.00	.....	405.00	94.52	.....
3159	3	No... 30.00	.....	191.52	114.11	335.63	260.00	70.00	.....	330.00	.....	5.63
3160	2	No... 36.00	.....	90.02	75.41	201.43	236.00	.....	.....	236.00	34.57	.....
3161	3	No... 32.00	.....	109.80	77.01	218.81	221.63	.....	.....	221.63	2.82	.....
3162	3	No... 40.00	.....	134.80	131.63	306.43	289.00	.....	.....	289.00	.....	17.43
3163	6	No... 50.00	.....	222.05	213.48	485.53	392.00	.....	95.00	487.00	1.47	.....
3164	4	Yes..	.....	82.60	268.03	350.63	412.00	.....	.....	412.00	61.37	.....
3165	9	No... 33.00	.....	164.86	265.41	466.27	452.00	.....	8.00	460.00	.....	6.27
3166	7	Yes..	.....	178.59	218.87	397.46	325.00	.....	10.00	335.00	.....	62.46
3167	8	No... 30.00	.....	115.19	113.46	258.65	240.00	.....	.....	240.00	.....	18.65
3168	6	Yes..	.....	163.64	254.48	418.12	75.00	.....	266.00	341.00	.....	77.12
3169	6	No... 60.00	.....	176.75	204.91	441.66	450.00	.....	.....	450.00	8.34	.....
3170	3	No... 48.00	.....	155.40	72.51	275.91	280.00	.....	.....	280.00	4.09	.....
3171	2	No... 20.00	.....	107.54	107.05	234.59	178.00	.....	41.00	219.00	.....	15.59
3172	4	No... 50.00	.....	136.41	150.74	337.15	360.00	.....	40.00	400.00	62.85	.....
3173	3	Yes..	.....	89.32	76.69	166.01	156.00	.....	9.00	165.00	.....	1.01
3174	5	Yes..	.....	132.02	73.77	205.79	192.00	.....	.....	192.00	.....	13.79
3175	6	No... 30.00	.....	121.54	246.70	398.24	195.40	.....	110.20	305.60	.....	92.64
3176	2	No... 40.06	.....	105.00	35.31	180.31	114.00	.....	16.80	130.80	.....	49.51
3177	2	No... 30.00	.....	82.13	48.82	160.95	136.80	.....	11.00	147.80	.....	13.15
3178	2	Yes..	.....	145.04	437.95	582.99	300.00	.....	750.00	1,050.00	467.01	.....
3179	2	No... 12.00	.....	103.93	90.73	206.66	155.00	.....	.....	155.00	.....	51.66
3180	8	No... 50.00	.....	161.64	234.27	445.91	148.90	301.00	.....	449.90	3.99	.....
3181	3	No... 24.00	.....	111.76	143.45	284.21	147.00	.....	.....	147.00	.....	137.21
3182	3	No... 24.00	.....	161.61	120.06	305.67	185.00	.....	96.00	281.00	.....	24.67
3183	5	Yes..	.....	197.20	348.02	545.22	345.00	296.00	15.00	656.00	110.78	.....
3184	6	No... 24.00	.....	223.26	98.23	345.49	136.00	204.00	5.00	345.00	.....	.49
3185	4	No... 39.00	.....	154.22	97.55	290.77	168.00	57.25	60.60	285.85	.....	4.92
3186	2	No... 35.00	.....	60.52	38.75	134.27	84.00	.....	.....	84.00	.....	50.27
3187	3	No... 24.00	.....	141.10	101.22	266.32	236.00	.....	.....	236.00	.....	30.32
3188	3	No... 18.00	.....	98.00	33.66	149.66	150.00	.....	.....	150.00	.34	.....
3189	5	Yes..	.....	82.20	150.16	232.36	211.00	.....	96.00	307.00	74.64	.....
3190	6	Yes..	.....	169.72	84.40	254.12	146.00	.....	.....	146.00	.....	108.12
3191	4	No... 50.00	.....	122.20	82.74	254.94	259.20	.....	42.45	301.65	46.71	.....
3192	5	Yes..	.....	188.25	145.73	333.98	300.00	.....	33.00	333.00	.....	.98
3193	6	No... 18.00	.....	119.95	103.28	241.23	216.00	.....	20.00	236.00	.....	5.23
3194	3	No... 18.00	.....	123.28	87.78	229.06	239.80	.....	.....	239.80	10.74	.....
3195	3	No... 24.00	.....	137.20	195.08	356.28	277.20	.....	.....	277.20	.....	79.08
3196	4	No... 24.00	.....	161.80	139.28	325.08	341.25	.....	.....	341.25	16.17	.....
3197	2	Yes..	.....	125.00	242.57	370.57	420.00	.....	15.00	435.00	64.43	.....
3198	3	No... 24.00	.....	152.72	122.08	298.80	300.00	.....	.....	300.00	1.20	.....
3199	8	No... 24.00	.....	294.38	207.33	525.71	285.00	.....	240.00	525.00	.....	.71
3200	5	Yes..	.....	100.20	196.52	296.72	270.00	32.00	5.00	307.00	10.28	.....
3201	5	Yes..	.....	109.00	148.40	257.40	322.00	.....	5.00	327.00	69.60	.....
3202	5	No... 18.00	.....	142.70	94.04	254.74	223.00	.....	31.20	254.20	.....	.54
3203	6	No... 40.00	.....	144.24	112.88	297.12	259.60	.....	2.50	256.10	.....	41.02
3204	8	Yes..	.....	196.96	167.82	364.78	245.70	48.00	48.00	341.70	.....	23.08
3205	5	No... 24.00	.....	172.20	155.55	351.75	273.60	102.80	.....	376.40	24.65	.....
3206	8	No... 65.00	.....	207.56	343.05	615.61	403.20	205.00	.....	608.20	.....	7.41
3207	2	No... 24.00	.....	114.38	134.73	273.11	217.60	.....	10.00	227.60	.....	45.51
3208	5	Yes..	.....	109.06	104.81	213.87	173.40	.....	.....	173.40	.....	40.47
3209	2	No... 36.00	.....	175.81	187.69	399.50	376.42	.....	.....	376.42	.....	23.08
3210	3	No... Free.	.....	127.20	293.12	420.32	420.00	.....	.....	420.00	.....	.32
3211	4	No... 48.00	.....	215.50	161.20	424.70	425.00	.....	.....	425.00	.30	.....
3212	4	No... 60.00	.....	147.50	147.40	354.90	276.00	.....	20.00	296.00	.....	58.90
3213	4	No... 24.00	.....	263.30	227.58	514.88	418.00	.....	168.00	586.00	71.12	.....
3214	3	No... 24.00	.....	116.10	152.38	292.48	205.00	.....	.....	295.00	2.52	.....
3215	8	No... 30.00	.....	237.56	314.50	582.06	180.00	262.00	.....	442.00	.....	140.06
3216	2	No... 48.00	.....	99.99	45.21	193.20	120.00	.....	.....	120.00	.....	73.20
3217	5	No... 30.00	.....	155.50	101.10	286.60	300.00	.....	.....	300.00	13.40	.....
3218	6	No... 15.00	.....	159.67	228.60	403.27	325.00	.....	60.00	385.00	.....	18.27
3219	4	No... 30.00	.....	131.15	205.30	366.45	275.00	140.00	.....	415.00	48.55	.....
3220	2	No... 12.00	.....	104.05	109.80	226.45	250.00	.....	.....	250.00	23.55	.....
3221	4	No... 12.00	.....	161.95	106.50	280.45	290.00	.....	.....	290.00	9.55	.....
3222	7	No... 15.00	.....	134.20	144.00	293.20	300.00	.....	.....	300.00	6.80	.....
3223	6	No... 15.00	.....	148.29	204.90	368.19	300.00	140.00	.....	440.00	71.81	.....
3224	11	Yes..	.....	328.51	283.25	611.76	480.00	250.00	90.00	820.00	208.24	.....



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## F.—CONTRASTED INCOME AND EXPENDITURE—Concluded.

Bud- get num- ber.	Num- ber in fam- ily.	Own houso.	Expenditure for—				Income from—				Sur- plus.	Defi- cit.
			Rent.	Food.	All other pur poses.	Total.	Hus- band.	Wife and chil- dron.	All other sources.	Total.		
3225	5	No...	\$15.00	\$149.90	\$135.40	\$300.30	\$160.00	.....	\$176.00	\$336.00	\$35.70	.....
3226	2	No...	36.00	79.73	137.90	253.63	417.53	.....	35.00	452.53	198.90	.....
3227	8	Yes...	.....	418.40	276.40	724.80	320.32	.....	432.00	752.32	27.52	.....
3228	5	No...	30.00	155.20	279.05	464.25	429.00	.....	27.75	456.75	.....	\$7.50
3229	4	No...	34.50	139.25	335.92	509.67	523.25	.....	21.00	544.25	34.58	.....
3230	5	No...	Free.	108.50	197.63	306.13	247.00	.....	60.00	307.00	.87	.....
3231	8	Yes...	.....	163.40	146.31	309.71	286.00	.....	7.00	293.00	.....	16.71
3232	2	Yes...	.....	110.45	188.35	298.80	283.00	.....	.....	283.00	.....	15.80
3233	4	No...	30.00	133.75	224.03	387.78	320.32	.....	35.00	355.32	.....	32.46
3234	4	Yes...	.....	161.53	208.15	372.68	400.40	.....	.....	400.40	27.72	.....
3235	6	Yes...	.....	107.25	173.25	280.50	286.00	.....	.....	286.00	5.50	.....
3236	8	Yes...	.....	190.30	264.00	454.30	286.00	\$156.00	.....	442.00	.....	12.30
3237	3	No...	Free	85.60	146.83	232.43	260.00	.....	35.00	295.00	62.57	.....
3238	3	Yes...	.....	100.25	100.43	200.68	221.00	.....	16.00	237.00	36.32	.....
3239	9	Yes...	.....	251.15	223.40	474.55	445.80	.....	16.75	462.55	.....	12.00
3240	5	No...	33.00	106.11	134.60	273.71	260.00	.....	.....	260.00	.....	13.71
3241	9	Yes...	.....	160.96	152.92	319.88	286.00	.....	20.00	306.00	.....	13.88
3242	4	No...	40.46	125.76	117.55	283.77	264.89	.....	.....	264.89	.....	18.88
3243	5	Yes...	.....	137.28	182.37	319.65	199.92	.....	.....	199.92	.....	119.73
3244	9	Yes...	.....	217.11	151.09	368.20	238.00	.....	29.90	267.99	.....	100.21
3245	8	No...	32.13	158.85	172.23	363.21	249.56	80.92	4.76	335.24	.....	27.97
3246	11	Yes...	.....	284.72	223.88	508.60	231.28	278.46	.....	527.59	18.99	.....
3247	9	Yes...	.....	296.94	309.68	606.62	344.54	89.25	17.85	433.79	.....	172.83
3248	5	No...	27.13	176.43	96.50	300.11	296.76	.....	.....	296.76	.....	3.35
3249	4	No...	25.70	102.43	102.60	230.73	203.06	35.70	.....	238.76	8.03	.....
3250	7	No...	32.84	162.59	96.60	292.03	344.03	.....	.....	344.03	52.00	.....
3251	4	Yes...	.....	145.84	200.84	346.68	285.60	.....	90.44	376.04	29.36	.....
3252	9	Yes...	.....	233.01	374.89	607.90	248.47	142.80	190.40	581.67	.....	26.23
3253	5	Yes...	.....	134.12	181.49	315.61	228.48	.....	83.30	311.78	.....	3.83
3254	6	Yes...	.....	84.58	177.55	262.13	283.56	.....	.....	283.56	21.43	.....
3255	10	Yes...	.....	189.69	234.50	424.19	241.61	164.22	.....	425.83	.....	18.36
3256	6	Yes...	.....	215.16	199.55	414.71	226.08	218.48	20.99	474.55	59.84	.....
3257	4	No...	29.99	107.07	114.82	251.88	237.70	.....	.....	237.70	.....	14.18
3258	7	Yes...	.....	160.84	208.53	369.37	237.85	178.50	.....	416.35	46.08	.....
3259	6	No...	31.42	158.27	94.08	283.77	224.49	.....	.....	224.49	.....	59.28
3260	6	Yes...	.....	226.58	159.45	386.03	241.50	.....	163.03	404.53	18.50	.....

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS.

[No inference can be drawn from lack of fulness in some of these notes, as uniformity of statement was found to be impracticable, and was not insisted upon.]

- 3077. In debt; own house, neat and well furnished; vegetable garden; cow, pigs, and poultry.
- 3078. In debt; house neat.
- 3079. In debt; house tidy; books and organ; intelligent.
- 3080. Surplus invested in real estate; own house, poorly built shanty; pig and poultry.
- 3081. In debt; company house, no better than a stable; dirty and ignorant.
- 3082. Surplus on hand; poor house, sanitary condition bad; no yard.
- 3083. Surplus on hand; company house, poorly built and plainly furnished; horse.
- 3084. Surplus on hand; house comfortable and neat.
- 3085. In debt; miserable and filthy house; man drinks; sanitary condition bad.
- 3086. In debt; few comforts.
- 3087. In debt; house neat; birds and flowers; man sick and lost time.
- 3088. Surplus on hand; own house, untidy.
- 3089. Surplus on hand; own house; vegetable garden.
- 3090. In debt; husband a drunkard, discharged by company; house comfortable.
- 3091. In debt; house miserable and dirty; husband drunk and abusive.
- 3092. Small surplus; man hurt in mine, sick; cosy home; garden; fruit; poultry.
- 3093. Surplus on hand; house clean and comfortable; grass and flowers; poultry.
- 3094. Surplus on hand; house clean.
- 3095. Surplus on hand; company house, like a barn; no yard.
- 3096. Surplus on hand; company house, clean and in order; no yard.
- 3097. In debt; house uncomfortable; very little furniture.
- 3098. Surplus on hand; house clean but poorly furnished.
- 3099. Surplus on hand; house clean but uncomfortable; no yard.
- 3100. Surplus invested in Canada; clean and respectable; husband lost time; wife ill.
- 3101. Surplus on hand; clean; little furniture.
- 3102. Surplus on hand; house clean.
- 3103. Surplus on hand; own house; small garden; intelligent.
- 3104. In debt; house dirty and uncomfortable.
- 3105. In debt; house clean, yard dirty; vegetable garden.
- 3106. In debt.
- 3107. In debt; own house, dirty and disorderly; woman in bad health; garden; cow.
- 3108. In debt; own house; vegetable garden; poultry and a pig.
- 3109. In debt; house a barn; little comfort; wife in insane asylum; garden.
- 3110. Surplus on hand; own house, well built; good yard.
- 3111. Surplus on hand; house well furnished; good garden; poultry.
- 3112. Surplus on hand; own brick house; fine garden; piano.
- 3113. Surplus on hand; fine garden.
- 3114. Surplus on hand; house in good condition; vegetable garden; a colt and poultry.
- 3115. In debt.
- 3116. Surplus on hand.
- 3117. Surplus in bank.
- 3118. Surplus on hand; vegetable garden; cow and poultry.
- 3119. Surplus on hand; cow, hogs, and poultry.
- 3120. In debt; cow.
- 3121. Surplus on hand; cow, hogs, and poultry.
- 3122. Small surplus; log cabin; vegetable garden; cow and chickens.
- 3123. Surplus on interest; small house, poorly furnished; garden; cow and chickens.
- 3124. Surplus on interest; vegetable garden; horse, buggy, and cow.
- 3125. Surplus invested; vegetable garden; cow and poultry.
- 3126. In debt; log house, one room; small garden.
- 3127. In debt; log house, two rooms; large garden; cow and poultry.
- 3128. In debt; log cabin, few comforts; vegetable garden; cow.
- 3129. Surplus on hand; log cabin, one room; vegetables given them; horse, cow, and poultry.
- 3130. Surplus on hand; few comforts; vegetable garden; cow and poultry.
- 3131. Surplus in bank; cow.
- 3132. Surplus on hand.
- 3133. Surplus on hand; vegetable garden; poultry.
- 3134. In debt; cow.
- 3135. In debt.
- 3136. Surplus on hand; vegetable garden; cow, hogs, and poultry.
- 3137. In debt; own house.
- 3138. In debt; poor house, few comforts; vegetable garden; cow and poultry.
- 3139. In debt; poor house, poorly furnished; vegetable garden; poultry.
- 3140. Surplus on hand; small log house, poorly furnished; garden; cow and poultry.
- 3141. In debt; small garden; cow.
- 3142. Surplus on hand; large garden; cow and poultry.
- 3143. In debt; vegetable garden.
- 3144. Surplus on hand; company house, comfortably situated; garden; pigs and poultry.
- 3145. In debt; house fairly well furnished; small garden; pigs and poultry.
- 3146. Surplus on hand; company shanty; furniture meagre.
- 3147. In debt; rickety house, but nicely furnished; garden; pigs.
- 3148. Surplus on hand; house well furnished; vegetable garden.
- 3149. In debt; house small, walls unplastered; plainly furnished, but neat.
- 3150. Surplus on hand; house comfortably furnished; vegetable garden; pigs.
- 3151. In debt; miserable house; garden; pigs and chickens.
- 3152. In debt; house comfortably furnished; vegetable garden; chickens.
- 3153. In debt; company shanty, poorly furnished but neat; garden; chickens.
- 3154. In debt; company shanty, tolerably well furnished; garden; pig.
- 3155. In debt; company house, poorly furnished; garden; poultry.
- 3156. In debt; company shanty, comfortably furnished; garden; pigs and poultry.

TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Continued.

## G.—REMARKS—Continued.

3157. Surplus on hand; company shanty, well furnished; large garden; poultry.  
 3158. Surplus on hand; house poorly furnished; large garden; poultry.  
 3159. In debt; poor shanty and poor furniture; vegetable garden; poultry.  
 3160. Surplus on hand; poor house and poor furniture; vegetable garden; poultry.  
 3161. Surplus on hand; poor house, poorly furnished; vegetable garden; poultry.  
 3162. In debt; poor house, poorly furnished; vegetable garden; pigs.  
 3163. Surplus on hand; fair house; cows, pigs, and chickens.  
 3164. Surplus on hand; own 16 acres of land; house nicely furnished; cows, pigs, and poultry.  
 3165. In debt; house fairly well furnished; large vegetable garden; cow, pigs, and poultry.  
 3166. In debt; house in bad condition; large vegetable garden; cow, pigs, and poultry.  
 3167. In debt; poor house, poorly furnished; large vegetable garden; cow, pigs, and poultry.  
 3168. In debt; live in one room, principally on charity; large garden; cow, pigs, and poultry.  
 3169. Surplus on hand; house nicely furnished; vegetable garden; cow, pigs, and poultry.  
 3170. Surplus on hand; poor house, poorly furnished; vegetable garden; poultry.  
 3171. In debt; house in bad condition, poorly furnished; garden; poultry.  
 3172. Surplus on hand; house poorly furnished; vegetable garden; fruit; cow.  
 3173. In debt; comfortable house; vegetable garden; fruit; cow, pigs, and poultry.  
 3174. In debt; house poorly furnished; vegetable garden; pigs and poultry.  
 3175. In debt; miserable house; vegetable garden; pigs and poultry.  
 3176. In debt; miserable hovel, almost without furniture; small garden; two pigs and poultry.  
 3177. In debt; miserable house; vegetable garden; pigs and poultry.  
 3178. Surplus on hand; house well furnished; garden; horse, cow, pigs, and poultry.  
 3179. In debt; poor and miserable.  
 3180. Surplus on hand; little furniture; vegetable garden; cow, pigs, and poultry.  
 3181. In debt; house barely furnished; vegetable garden; pigs and poultry.  
 3182. In debt; vegetable garden; pigs and poultry.  
 3183. Surplus invested in property; house well furnished; vegetable garden; pigs and poultry.  
 3184. In debt; house miserably furnished; small garden; poultry.  
 3185. In debt; house poorly furnished; vegetable garden; poultry.  
 3186. In debt; house poorly furnished; cow, pigs, and poultry.  
 3187. In debt; miserable house, poorly furnished; small garden; pigs.  
 3188. Surplus on hand; miserable hovel, poorly furnished.  
 3189. Surplus on hand; house well furnished; vegetable garden; cows, pigs, and poultry.  
 3190. In debt; own house, poorly furnished; vegetable garden; pigs and poultry.  
 3191. Surplus on interest; pigs and poultry.  
 3192. In debt; vegetable garden; pigs and poultry.  
 3193. In debt; house in bad condition, poorly furnished; garden; pigs and poultry.  
 3194. Surplus on hand; poor house; vegetable garden; poultry.  
 3195. In debt; house nicely furnished; vegetable garden.  
 3196. Surplus on hand; garden; poultry.  
 3197. Surplus invested; vegetable garden; cows, pigs, and poultry.  
 3198. Surplus on hand; poor house, poorly furnished; garden; pigs and poultry.  
 3199. In debt; house poorly furnished; vegetable garden; pigs and poultry.  
 3200. Surplus on hand; own 15 acres of land; poor house; cow, pigs, and poultry.  
 3201. Surplus invested in real estate; own 3 acres of land; garden; cow, pigs, and poultry.  
 3202. In debt; house poorly furnished; vegetable garden; pigs and poultry.  
 3203. In debt; house poorly furnished; vegetable garden; pigs and poultry.  
 3204. In debt; house comfortably furnished; vegetable garden; cow, pigs, and poultry.  
 3205. Surplus on hand; poor house; vegetable garden; pigs and poultry.  
 3206. In debt; house well furnished; vegetable garden; cows, pigs, and poultry.  
 3207. In debt; house poorly furnished; vegetable garden; pigs and poultry.  
 3208. In debt; very little furniture; poultry.  
 3209. In debt; house neatly furnished; poultry.  
 3210. In debt; house well furnished.  
 3211. Surplus on hand; vegetable garden; cow, pigs, and poultry.  
 3212. In debt; little furniture; small garden; poultry.  
 3213. Surplus on hand; house well furnished; small garden; pigs and poultry.  
 3214. Surplus on hand; house well furnished; vegetable garden; pigs and poultry.  
 3215. In debt; house miserably furnished; garden; cow, pigs, and poultry.  
 3216. In debt.  
 3217. Surplus on hand; plain furniture; surroundings unclean; a few chickens.  
 3218. In debt; one room; no windows; six in family; clean and tidy.  
 3219. Surplus on hand; own two horses, which they hire out; cow, hogs, poultry, and dog.  
 3220. Surplus on hand; one room, no windows; clean but wretched.  
 3221. Surplus on hand; shed, no window; wide cracks in sides and floor; dirty and disorderly.  
 3222. Surplus on hand; one room, no window; little furniture; a cow.  
 3223. Surplus on hand; one room, no window; dark, dismal, dirty; pigs and poultry.  
 3224. Surplus; own house; woman sick, children dirty; garden; poultry.  
 3225. Surplus on hand; company house, no windows; clean and tidy; small garden.  
 3226. Surplus on hand; house comfortably furnished; small garden; cow.  
 3227. Surplus on hand; own house, comfortably furnished; garden; cow.  
 3228. In debt; house comfortably furnished; garden; cow and poultry.  
 3229. Surplus on hand; house comfortably furnished.  
 3230. Surplus on hand; company house, comfortably furnished.  
 3231. In debt; own house, comfortably furnished; small garden.  
 3232. In debt; own house, barely furnished.  
 3233. In debt; house barely furnished.  
 3234. Surplus on hand; own house, comfortably furnished; small garden; cow.  
 3235. Surplus on hand; own house, poorly furnished; small garden; cow.  
 3236. In debt; own house, comfortably furnished; small garden.  
 3237. Surplus on hand.



TABLE XIX.—IRON ORE: COST OF LIVING, BY FAMILIES—Concluded.

## G.—REMARKS—Concluded.

- 3232. Surplus on hand; own house, comfortably furnished; garden.
- 3233. In debt; own house, comfortably furnished; cow.
- 3240. In debt; house comfortably furnished; garden.
- 3241. In debt; own house, poorly furnished; cow.
- 3242. In debt; vegetable garden; hog and goat.
- 3243. In debt; own house; vegetable garden; cow, hog, goat, and poultry.
- 3244. In debt; own house; garden; hog and goat.
- 3245. In debt; husband educated; wife works for neighbors.
- 3246. Surplus on hand; own house; vegetable garden; hogs and goats.
- 3247. In debt; own house; vegetable garden; goat.
- 3248. Surplus on hand; goat.
- 3249. Surplus on hand; very poor family.
- 3250. Surplus on hand; vegetable garden.
- 3251. Surplus on hand; own comfortable house; goat.
- 3252. Surplus on hand; own house, and are thrifty; cow, pigs, and poultry.
- 3253. In debt; own house, comfortably situated; vegetable garden; goat.
- 3254. Surplus on hand; own house; vegetable garden; cow and hogs.
- 3255. In debt; own house.
- 3256. Surplus on hand; own house, comfortably situated; goats and poultry.
- 3257. In debt; family quite poor.
- 3258. Surplus on hand; own house and live well; cows and hogs.
- 3259. In debt; intelligent but poor.
- 3260. Surplus on hand; own house and live well; goats.

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES.**A.—SUMMARY OF CONDITION AS TO CHILDREN.**

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families with out children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>Alabama.</i>														
American ..	9	13	1.4	29	55	1.9	68	130	1.9	45	243	2.8	45	132
Canadian ..	1	1	1.0	1	1	1.0	1	2	2.0	.....	4	4.0	.....	1
English.....	1	1	1.0	1	3	3.0	2	5	2.5	.....	9	4.5	1	3
Gorman ....	1	2	2.0	2	3	1.5	1	2	2.0	.....	7	3.5	1	3
Irish.....	.....	.....	.....	.....	.....	.....	2	2	1.0	1	3	1.5	.....	2
Scotch.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Welsh.....	.....	.....	.....	.....	.....	.....	1	2	2.0	1	3	3.0	.....	1
Total ...	12	17	1.4	33	62	1.9	75	143	1.9	47	269	2.8	48	143
<i>Georgia.</i>														
American ..	9	10	1.1	13	33	2.5	15	36	2.4	1	80	4.0	5	25
Total ...	9	10	1.1	13	33	2.5	15	36	2.4	1	80	4.0	5	25
<i>Illinois.</i>														
American ..	.....	.....	.....	1	3	3.0	3	3	1.0	2	8	1.6	1	6
Austrian ..	.....	.....	.....	.....	.....	.....	1	1	1.0	.....	1	1.0	.....	1
Bohemian ..	.....	.....	.....	.....	.....	.....	2	5	2.5	.....	5	2.5	.....	2
Canadian ..	.....	.....	.....	1	4	4.0	1	2	2.0	.....	6	6.0	.....	1
English.....	.....	.....	.....	1	3	3.0	3	5	1.7	5	13	4.3	1	4
Fr. Canadian	.....	.....	.....	.....	.....	.....	1	2	2.0	4	6	6.0	.....	1
German ....	1	1	1.0	6	9	1.5	8	15	1.9	2	27	2.5	4	15
Irish.....	.....	.....	.....	2	2	1.0	4	9	2.3	.....	11	2.2	3	8
Scotch.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	3.0	.....	1
Welsh.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3	3	3.0	.....	1
Total ...	1	1	1.0	11	21	1.9	23	42	1.8	19	83	2.7	9	40
<i>New York.</i>														
American ..	.....	.....	.....	2	2	1.0	7	14	2.0	1	17	1.9	.....	9
Anstrian ..	.....	.....	.....	.....	.....	.....	2	3	1.5	.....	3	1.5	.....	2
English.....	.....	.....	.....	1	3	3.0	4	9	2.3	.....	12	2.4	1	6
Fr. Canadian	.....	.....	.....	1	2	2.0	1	4	4.0	.....	6	6.0	.....	1
German ....	.....	.....	.....	1	5	5.0	4	8	2.0	.....	13	3.3	1	5
Hungarian..	.....	.....	.....	1	1	1.0	2	4	2.0	.....	5	2.5	1	3
Irish.....	6	8	1.3	14	37	2.6	18	38	2.1	2	85	3.9	3	25
Polish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Scotch.....	.....	.....	.....	2	7	3.5	3	3	1.0	.....	10	3.3	.....	3
Welsh.....	.....	.....	.....	1	1	1.0	.....	.....	.....	.....	1	1.0	.....	1
Total ...	6	8	1.3	23	58	2.5	41	82	2.0	3	152	3.1	7	56
<i>Ohio.</i>														
American...	4	9	2.3	12	26	2.2	17	28	1.6	.....	63	3.0	2	23
Bohemian...	2	2	1.0	5	10	2.0	6	12	2.0	.....	24	3.4	2	9
English.....	.....	.....	.....	1	2	2.0	2	5	2.5	.....	7	3.5	1	3
German.....	9	12	1.3	30	60	2.0	35	69	2.0	2	143	3.3	3	46
Irish.....	3	5	1.7	9	18	2.0	14	28	2.0	.....	51	3.6	1	15
Scotch.....	.....	.....	.....	1	4	4.0	1	4	4.0	.....	8	8.0	.....	1
Swedish.....	.....	.....	.....	1	3	3.0	1	1	1.0	.....	4	4.0	.....	1
Total ...	18	28	1.6	59	123	2.1	76	147	1.9	2	300	3.4	9	98
<i>Pennsylv'ia.</i>														
American...	19	24	1.3	108	206	1.9	157	282	1.8	15	527	2.9	20	201
English.....	5	7	1.4	12	28	2.3	17	30	1.8	3	68	3.6	2	21
German.....	1	2	2.0	10	20	2.0	14	28	2.0	3	53	3.5	.....	15
Irish.....	18	22	1.2	41	105	2.6	54	103	1.9	2	232	3.7	8	71
Italian.....	.....	.....	.....	1	1	1.0	1	1	1.0	.....	2	2.0	.....	1
Scotch.....	.....	.....	.....	1	2	2.0	2	2	1.0	.....	4	2.0	2	4
Total ...	43	55	1.3	173	362	2.1	245	446	1.8	23	886	3.2	32	313

TABLE XX.—PIG IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## A.—SUMMARY OF CONDITION AS TO CHILDREN—Concluded.

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families with out children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>Tennessee.</i>														
American...	4	6	1.5	18	35	1.9	25	49	2.0	1	91	2.6	14	49
Irish.....	1	1	1.0	2	8	4.0	2	6	3.0	.....	15	7.5	.....	2
Total ...	5	7	1.4	20	43	2.2	27	55	2.0	1	106	2.0	14	51
<i>Virginia.</i>														
American...	7	13	1.9	3	9	3.0	18	36	2.0	22	80	3.2	2	27
Total ..	7	13	1.9	3	9	3.0	18	36	2.0	22	80	3.2	2	27
<i>W. Virginia.</i>														
American...	1	1	1.0	1	1	1.0	3	6	2.0	.....	8	2.0	.....	4
German.....	.....	.....	.....	2	5	2.5	3	6	2.0	2	13	4.3	.....	3
Irish.....	.....	.....	.....	1	2	2.0	1	2	2.0	.....	4	4.0	.....	1
Scotch.....	.....	.....	.....	1	3	3.0	1	2	2.0	.....	5	5.0	.....	1
Total ...	1	1	1.0	5	11	2.2	8	16	2.0	2	30	3.3	.....	9
<i>Belgium.</i>														
Belgian.....	8	18	2.3	5	10	2.0	5	8	1.6	5	41	4.6	2	11
Total ...	8	18	2.3	5	10	2.0	5	8	1.6	5	41	4.6	2	11
<i>Gt. Britain.</i>														
English.....	2	2	1.0	12	27	2.3	14	17	1.2	1	47	2.5	2	21
Irish.....	2	3	1.5	4	10	2.5	5	5	1.0	.....	18	3.0	.....	6
Scotch.....	7	15	2.1	14	31	2.2	13	16	1.2	8	70	3.3	.....	21
Welsh.....	5	10	2.0	10	23	2.3	11	14	1.3	.....	47	3.1	2	17
Total ...	16	30	1.0	40	91	2.3	43	52	1.2	9	182	3.0	4	65



TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**B.—SUMMARY OF SOURCES OF INCOME.**

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Hns. bands.	Wives.	Children.	Board-ers.	Hus. bands.	Wives.	Children.	Board-ers.	Average.	
<i>Alabama.</i>												
American..	132	4.3	132	5	9	a 47	\$487.45	\$160.00	\$227.89	a \$74.93	\$535.72	\$124.28
Canadian..	1	6.0	1	.....	1	.....	830.00	.....	120.00	.....	750.00	125.00
English....	3	5.0	3	.....	1	.....	871.80	.....	25.00	.....	880.13	176.03
German....	3	4.3	3	.....	1	b 1	584.59	.....	108.00	b 20.00	630.59	145.52
Irish.....	2	3.5	2	.....	.....	.....	534.98	.....	.....	.....	534.98	152.85
Scotch....	1	2.0	1	.....	.....	.....	720.00	.....	.....	.....	720.00	360.00
Welsh....	1	5.0	1	.....	.....	.....	825.00	.....	.....	.....	825.00	165.00
Total..	143	4.3	143	5	12	48	503.19	160.00	192.00	73.99	549.74	127.41
<i>Georgia.</i>												
American..	25	5.6	25	.....	8	c 8	404.69	.....	199.25	c 95.63	490.05	88.48
Total..	25	5.6	25	.....	8	8	404.69	.....	199.25	95.63	490.05	88.48
<i>Illinois.</i>												
American..	6	3.3	6	.....	.....	b 1	589.96	.....	.....	b 318.90	643.11	192.93
Austrian..	1	3.0	1	.....	.....	.....	375.00	.....	.....	.....	375.00	125.00
Bohemian..	2	4.5	2	.....	.....	.....	672.00	.....	.....	.....	672.00	149.33
Canadian..	1	9.0	1	.....	.....	.....	778.30	.....	.....	240.00	1,018.30	113.14
English....	4	5.5	4	.....	.....	d 3	763.84	.....	.....	d 56.33	806.09	146.56
Fr. Canadian	1	10.0	1	.....	.....	.....	780.45	.....	.....	240.00	1,020.45	102.05
German....	15	3.9	15	.....	1	b 1	662.27	.....	35.00	b 258.00	682.80	176.59
Irish.....	8	3.9	8	.....	.....	e 3	643.63	.....	.....	e 337.33	770.13	198.74
Scotch....	1	5.0	1	.....	.....	.....	1,003.75	.....	.....	.....	1,003.75	200.75
Welsh....	1	5.0	1	.....	.....	.....	700.00	.....	.....	.....	700.00	140.00
Total..	40	4.3	40	.....	1	10	666.87	.....	35.00	223.79	723.69	163.30
<i>New York.</i>												
American..	9	4.0	9	.....	.....	b 2	607.88	.....	.....	b 35.00	615.66	153.91
Austrian..	2	5.5	2	.....	.....	.....	345.00	.....	.....	36.00	381.00	69.27
English....	6	4.3	6	.....	.....	f 2	487.79	.....	.....	f 114.00	525.79	121.34
Fr. Canadian	1	8.0	1	.....	.....	.....	406.00	.....	.....	.....	406.00	50.75
German....	5	5.8	5	.....	.....	g 3	358.28	.....	.....	g 307.33	542.68	93.57
Hungarian..	3	8.7	3	.....	.....	.....	328.33	.....	.....	221.00	549.33	63.38
Irish.....	25	5.6	25	.....	6	h 11	490.93	.....	149.17	h 58.00	552.25	97.92
Polish....	1	6.0	1	.....	.....	.....	360.00	.....	.....	144.00	504.00	84.00
Scotch....	3	7.3	3	.....	.....	.....	528.88	.....	.....	240.00	688.88	93.94
Welsh....	1	3.0	1	.....	.....	.....	589.59	.....	.....	.....	589.59	196.53
Total..	56	5.5	56	.....	6	26	483.56	.....	149.17	123.73	556.99	101.27
<i>Ohio.</i>												
American..	23	4.9	23	.....	4	i 4	580.99	.....	237.50	i 163.00	650.65	133.61
Bohemian..	9	4.7	9	.....	2	b 1	443.49	.....	140.00	b 160.00	492.38	105.51
English....	3	4.3	3	.....	.....	.....	500.53	.....	.....	.....	500.53	115.51
German....	46	5.2	46	.....	9	j 12	518.47	.....	168.33	j 90.24	574.95	110.66
Irish.....	15	5.5	15	.....	3	k 2	536.22	.....	212.67	k 240.00	610.75	110.38
Scotch....	1	10.0	1	.....	.....	.....	454.05	.....	.....	.....	454.05	45.41
Swedish...	1	6.0	1	.....	.....	.....	505.40	.....	.....	.....	505.40	84.23
Total..	98	5.2	98	.....	18	19	527.64	.....	187.94	124.99	586.39	113.79

a Including twenty-one families with an average income of \$34.24 from sources not presented.

b Income from sources not presented.

c Including four families with an average income of \$55.25 from sources not presented.

d Including two families with an average income of \$57.50 from sources not presented.

e Including one family with an average income of \$156 from sources not presented.

f Including one family with an income of \$48 from sources not presented.

g Including two families with an average income of \$11 from sources not presented.

h Including seven families with an average income of \$28.57 from sources not presented.

i Including three families with an average income of \$97.33 from sources not presented.

j Including seven families with an average income of \$67.99 from sources not presented.

k Including one family with an income of \$144 from sources not presented.

TABLE XX.—PIG IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## B.—SUMMARY OF SOURCES OF INCOME—Concluded.

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands	Wives	Children	Boarders	Husbands	Wives	Children	Boarders	Average.	
<i>Pennsylvania.</i>												
American..	201	5.1	201	1	19	a 71	\$528.91	\$140.00	\$367.14	a \$130.72	\$610.48	\$129.54
English....	21	5.7	21	.....	5	b 6	470.71	.....	358.41	b 183.50	608.47	106.48
German.....	15	5.7	15	.....	1	c 5	588.19	.....	300.00	c 154.00	639.52	111.54
Irish.....	71	5.7	71	.....	18	d 30	503.62	.....	310.91	d 224.30	677.22	117.85
Italian.....	1	4.0	1	.....	.....	.....	509.00	.....	.....	.....	509.00	127.25
Scotch.....	4	4.5	4	.....	.....	e 1	494.90	.....	.....	e 159.00	534.65	118.81
Total..	313	5.3	313	1	43	113	520.65	140.00	341.02	159.65	625.59	118.88
<i>Tennessee.</i>												
American..	49	4.4	49	1	5	f 12	490.24	104.00	91.00	f 124.08	532.03	120.69
Irish.....	2	9.0	2	.....	1	.....	753.80	.....	300.00	.....	903.80	100.42
Total..	51	4.6	51	1	6	12	500.57	104.00	125.83	124.08	546.61	119.13
<i>Virginia.</i>												
American..	27	5.9	27	.....	4	g 20	357.81	.....	91.88	g 106.48	450.29	75.99
Total..	27	5.9	27	.....	4	20	357.81	.....	91.88	106.48	450.29	75.99
<i>W. Virginia</i>												
American..	4	4.0	4	.....	1	h 1	665.70	.....	360.00	h 225.00	811.95	202.99
German.....	3	6.3	3	.....	.....	h 1	583.08	.....	.....	h 72.00	607.08	95.86
Irish.....	1	6.0	1	.....	.....	.....	433.00	.....	.....	.....	433.00	72.17
Scotch.....	1	7.0	1	.....	.....	.....	768.00	.....	.....	.....	768.00	109.71
Total..	9	5.3	9	.....	1	2	623.67	.....	360.00	148.50	696.67	130.63
<i>Belgium.</i>												
Belgian....	11	5.8	11	.....	8	.....	203.41	.....	235.29	.....	374.53	64.37
Total..	11	5.8	11	.....	8	.....	203.41	.....	235.29	.....	374.53	64.37
<i>Gt. Britain.</i>												
English....	21	4.3	21	.....	2	i 2	417.49	.....	170.33	i 118.26	444.97	102.69
Irish.....	6	5.0	6	.....	2	.....	390.62	.....	182.50	.....	451.45	90.29
Scotch.....	21	5.3	21	.....	7	h 14	380.98	.....	310.77	h 48.67	517.01	96.94
Welsh.....	17	4.9	17	.....	5	j 2	309.39	.....	264.74	j 100.98	399.13	81.75
Total..	65	4.9	65	.....	16	18	374.94	.....	262.79	62.21	456.86	93.97

a Including fifty families with an average income of \$63.33 from sources not presented.

b Including four families with an average income of \$211.50 from sources not presented.

c Including three families with an average income of \$75.33 from sources not presented.

d Including twenty-one families with an average income of \$154.33 from sources not presented.

e Has an income of \$45 from sources not presented.

f Including seven families with an average income of \$73.86 from sources not presented.

g Including seventeen families with an average income of \$98 from sources not presented.

h Income from sources not presented.

i Including one family with an income of \$97.33 from sources not presented.

j Including one family with an income of \$170.33 from sources not presented.

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**C.—SUMMARY OF EXPENDITURE FOR RENT.**

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not re- porting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Indi- vidual.
<i>Alabama.</i>								
American.....	132	4.3	4	127	2.6	1	\$66.13	\$15.47
Canadian.....	1	6.0	.....	1	2.0	.....	72.00	12.00
English.....	3	5.0	2	1	5.0	.....	120.00	13.33
German.....	3	4.3	1	2	3.5	.....	157.50	63.00
Irish.....	2	3.5	.....	2	2.0	.....	76.50	21.86
Scotch.....	1	2.0	.....	1	5.0	.....	96.00	48.00
Welsh.....	1	5.0	.....	1	3.0	.....	60.00	12.00
Total.....	143	4.3	7	135	2.7	1	68.26	15.97
<i>Georgia.</i>								
American.....	25	5.6	.....	25	3.1	.....	40.56	7.19
Total.....	25	5.6	.....	25	3.1	.....	40.56	7.19
<i>Illinois.</i>								
American.....	6	3.3	1	5	4.4	.....	86.40	28.80
Austrian.....	1	3.0	.....	1	3.0	.....	52.00	17.33
Bohemian.....	2	4.5	2	.....	.....	.....	.....	.....
Canadian.....	1	9.0	.....	1	5.0	.....	84.00	9.33
English.....	4	5.5	.....	4	5.3	.....	87.00	15.82
French Canadian.....	1	10.0	.....	1	5.0	.....	108.00	10.80
German.....	15	3.9	6	9	4.0	.....	83.78	24.32
Irish.....	8	3.9	.....	8	4.4	.....	96.00	24.77
Scotch.....	1	5.0	.....	1	5.0	.....	96.00	19.20
Welsh.....	1	5.0	.....	1	5.0	.....	84.00	16.80
Total.....	40	4.3	9	31	4.4	.....	87.94	20.81
<i>New York.</i>								
American.....	9	4.0	2	6	5.8	1	78.00	21.27
Austrian.....	2	5.5	.....	2	3.5	.....	50.00	9.09
English.....	6	4.3	.....	6	4.2	.....	58.83	13.58
French Canadian.....	1	8.0	.....	1	2.0	.....	60.00	7.50
German.....	5	5.8	1	4	4.3	.....	55.50	17.08
Hungarian.....	3	8.7	.....	3	4.0	.....	60.00	6.92
Irish.....	25	5.6	2	23	5.2	.....	50.52	9.30
Polish.....	1	6.0	.....	1	4.0	.....	48.00	8.00
Scotch.....	3	7.3	.....	3	5.3	.....	54.00	7.36
Welsh.....	1	3.0	.....	1	6.0	.....	60.00	20.00
Total.....	56	5.5	5	50	4.9	1	56.30	10.74
<i>Ohio.</i>								
American.....	23	4.0	13	3	4.7	7	80.40	16.75
Bohemian.....	9	4.7	2	.....	.....	7	56.57	13.66
English.....	3	4.3	.....	.....	.....	3	68.00	15.69
German.....	46	5.2	37	7	3.1	2	73.33	14.04
Irish.....	15	5.5	10	.....	.....	5	69.60	14.50
Scotch.....	1	10.0	.....	.....	.....	1	60.00	6.00
Swedish.....	1	6.0	.....	.....	.....	1	60.00	10.00
Total.....	93	5.2	62	10	3.6	26	70.33	14.31
<i>Pennsylvania.</i>								
American.....	201	5.1	50	145	4.7	6	64.40	12.80
English.....	21	5.7	8	13	4.3	.....	57.08	11.24
German.....	15	5.7	8	3	4.7	4	98.33	14.39
Irish.....	71	5.7	26	45	4.7	.....	60.09	11.71
Italian.....	1	4.0	.....	1	5.0	.....	72.00	18.00
Scotch.....	4	4.5	.....	4	4.8	.....	53.50	11.89
Total.....	313	5.3	92	211	4.7	10	63.85	12.54



TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## C.—SUMMARY OF EXPENDITURE FOR RENT—Concluded.

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>Tennessee.</i>								
American.....	49	4.4	2	46	2.8	1	\$60.78	\$13.51
Irish.....	2	9.0	.....	2	7.0	.....	78.09	8.67
Total .....	51	4.6	2	48	3.0	1	61.50	13.12
<i>Virginia.</i>								
American.....	27	5.9	10	16	3.3	1	71.78	11.96
Total .....	27	5.9	10	16	3.3	1	71.78	11.96
<i>West Virginia.</i>								
American.....	4	4.0	1	3	3.7	.....	78.00	18.00
German.....	3	6.3	.....	3	2.3	.....	56.00	8.84
Irish.....	1	6.0	1	.....	.....	.....	.....	.....
Scotch.....	1	7.0	.....	1	4.0	.....	80.00	11.43
Total .....	9	5.3	2	7	3.1	.....	68.86	12.36
<i>Belgium.</i>								
Belgian .....	11	5.8	.....	11	4.5	.....	31.72	5.45
Total .....	11	5.8	.....	11	4.5	.....	31.72	5.45
<i>Great Britain.</i>								
English.....	21	4.3	.....	21	3.5	.....	40.12	9.26
Irish.....	6	5.0	.....	5	4.2	1	39.80	7.96
Scotch.....	21	5.3	.....	5	2.8	16	46.81	8.78
Welsh.....	17	4.9	.....	17	4.7	.....	29.49	6.04
Total .....	65	4.9	.....	48	3.9	17	39.47	8.12

TABLE XX.—PIG IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)

Nationality of husband.	Families.		Beef.		Hog prodnots.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	132	4.3	131	\$20.83	132	\$22.07	81	\$14.56	46	\$6.22	12	\$2.25	121	\$5.32
Canadian...	1	6.0	1	18.00	1	20.00	1	25.00	.....	.....	1	.90	1	4.50
English....	3	5.0	3	26.67	3	21.67	2	10.50	1	10.00	.....	.....	1	8.00
German....	3	4.3	3	23.33	3	11.33	2	15.00	1	6.00	.....	.....	2	5.00
Irish.....	2	3.5	2	19.00	2	16.00	1	6.00	1	2.00	1	1.80	2	3.75
Scotch....	1	2.0	1	20.00	1	15.00	1	12.00	.....	.....	.....	.....	1	6.00
Welsh....	1	5.0	1	30.60	1	27.50	.....	.....	.....	.....	.....	.....	1	.90
Total...	143	4.3	142	21.02	143	21.73	88	14.47	49	6.20	14	2.12	129	5.28
<i>Georgia.</i>														
American...	25	5.6	22	8.14	25	18.70	21	24.62	19	5.74	1	2.00	15	2.87
Total...	25	5.6	22	8.14	25	18.70	21	24.62	19	5.74	1	2.00	15	2.87
<i>Illinois.</i>														
American...	6	3.3	.....	.....	.....	.....	4	73.75	.....	.....	.....	.....	2	8.40
Austrian...	1	3.0	.....	.....	.....	.....	1	72.00	.....	.....	.....	.....	.....	.....
Bohemian...	2	4.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canadian...	1	9.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
English....	4	5.5	.....	.....	.....	.....	3	124.67	.....	.....	.....	.....	2	12.60
Fr. Canadian	1	10.0	.....	.....	.....	.....	1	220.00	.....	.....	.....	.....	.....	.....
German....	15	3.9	.....	.....	.....	.....	3	120.00	.....	.....	.....	.....	1	12.00
Irish.....	8	3.9	.....	.....	.....	.....	2	93.75	.....	.....	.....	.....	1	15.00
Scotch....	1	5.0	.....	.....	.....	.....	1	104.00	.....	.....	.....	.....	1	10.00
Welsh....	1	5.0	.....	.....	.....	.....	1	60.00	.....	.....	.....	.....	1	4.00
Total...	40	4.3	.....	.....	.....	.....	16	104.53	.....	.....	.....	.....	8	10.38
<i>New York.</i>														
American...	9	4.0	9	32.22	5	13.11	8	20.63	.....	.....	3	2.17	4	7.88
Austrian...	2	5.5	2	50.00	1	42.80	1	25.00	.....	.....	.....	.....	1	3.00
English....	6	4.3	6	30.83	3	10.00	6	25.17	.....	.....	3	4.00	6	9.12
Fr. Canadian	1	8.0	1	50.00	1	12.00	1	12.00	.....	.....	1	2.00	.....	.....
German....	5	5.8	5	64.00	2	15.00	5	36.00	.....	.....	3	4.33	4	8.78
Hungarian...	3	8.7	3	30.33	1	30.00	3	20.67	.....	.....	2	2.00	1	7.20
Irish.....	25	5.6	25	42.72	10	15.90	23	25.30	.....	.....	21	4.06	12	10.60
Polish....	1	6.0	1	30.00	1	2.80	1	20.00	.....	.....	.....	.....	1	3.00
Scotch....	3	7.3	3	83.33	2	7.60	3	60.00	.....	.....	1	4.00	3	22.00
Welsh....	1	3.0	1	20.00	1	12.00	1	15.00	1	7.00	.....	.....	.....	.....
Total...	56	5.5	56	43.41	27	14.79	52	26.77	1	7.00	34	3.73	32	10.02
<i>Ohio.</i>														
American...	23	4.9	.....	.....	3	55.00	23	89.26	1	15.00	2	12.77	15	13.65
Bohemian...	9	4.7	.....	.....	.....	.....	9	107.67	.....	.....	.....	.....	9	6.32
English....	3	4.3	.....	.....	.....	.....	3	110.33	.....	.....	.....	.....	2	17.90
German....	46	5.2	.....	.....	9	40.22	44	73.62	3	8.00	13	3.80	28	11.13
Irish.....	15	5.5	.....	.....	.....	.....	15	110.32	.....	.....	1	10.20	13	15.98
Scotch....	1	10.0	.....	.....	.....	.....	1	125.00	.....	.....	.....	.....	1	7.20
Swedish....	1	6.0	.....	.....	.....	.....	1	112.50	.....	.....	.....	.....	1	12.00
Total...	98	5.2	.....	.....	12	43.92	96	88.38	4	9.75	16	5.32	69	12.12
<i>Pennsylvania.</i>														
American...	201	5.1	3	51.83	151	24.07	198	44.16	103	2.87	142	4.17	165	8.20
English....	21	5.7	.....	.....	15	20.66	21	44.00	12	3.11	17	4.77	19	9.51
German....	15	5.7	.....	.....	6	29.17	15	60.23	1	3.00	2	2.00	3	5.85
Irish.....	71	5.7	.....	.....	57	29.19	71	61.58	39	3.96	62	6.41	61	9.22
Italian....	1	4.0	.....	.....	.....	.....	1	50.00	.....	.....	1	12.00	1	5.04
Scotch....	4	4.5	.....	.....	2	36.80	4	58.43	1	1.00	3	8.54	4	5.61
Total...	313	5.3	3	51.83	231	25.36	310	49.12	156	3.15	227	4.90	253	8.46

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)—Concluded.**

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Tennessee.</i>														
American...	49	4.4	18	\$12.39	19	\$20.74	13	\$15.62	13	\$7.85	3	\$2.47	9	\$2.62
Irish.....	2	9.0	2	27.50	2	12.00	2	18.50	2	12.00	.....	.....	1	8.00
Total ...	51	4.6	20	13.90	21	19.90	15	16.00	15	8.40	3	2.47	10	3.16
<i>Virginia.</i>														
American...	27	5.9	.....	.....	25	33.15	26	16.85	23	4.04	22	2.66	25	4.53
Total ...	27	5.9	.....	.....	25	33.15	26	16.85	23	4.04	22	2.66	25	4.53
<i>W. Virginia.</i>														
American...	4	4.0	.....	.....	.....	.....	4	74.25	.....	.....	3	5.99	4	5.85
German .....	3	6.3	.....	.....	.....	.....	3	71.67	.....	.....	.....	.....	2	10.18
Irish .....	1	6.0	.....	.....	.....	.....	1	57.00	.....	.....	1	2.30	1	6.00
Scotch .....	1	7.0	.....	.....	.....	.....	1	102.00	.....	.....	1	2.56	1	4.50
Total ...	9	5.3	.....	.....	.....	.....	9	74.56	.....	.....	5	4.39	8	6.78
<i>Belgium.</i>														
Belgian .....	11	5.8	.....	.....	.....	.....	11	32.53	.....	.....	.....	.....	8	6.09
Total ...	11	5.8	.....	.....	.....	.....	11	32.53	.....	.....	.....	.....	8	6.09
<i>Gt. Britain.</i>														
English .....	21	4.3	.....	.....	17	16.58	21	48.00	.....	.....	8	9.23	10	7.91
Irish .....	6	5.0	.....	.....	4	16.87	6	63.27	.....	.....	2	12.66	2	8.76
Scotch .....	21	5.3	.....	.....	21	18.93	21	88.57	.....	.....	16	13.77	19	14.43
Welsh .....	17	4.9	.....	.....	1	18.98	17	56.94	.....	.....	.....	.....	1	12.65
Total ...	65	4.9	.....	.....	43	17.81	65	64.85	.....	.....	26	12.29	32	11.98



TABLE XX.—PIG IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American ..	132	4.3	33	\$11.58	117	\$7.82	27	\$2.52	70	\$3.72	122	\$10.62	127	\$18.81
Canadian ..	1	6.0	1	9.00	1	21.00	1	4.00	1	3.00	1	22.50	1	25.00
English .....	3	5.0	1	2.00	2	25.00	1	4.00	3	7.93	3	10.67	3	22.33
German .....	3	4.3	1	8.00	3	11.25	2	3.80	2	1.50	3	17.50	3	17.33
Irish .....	2	3.5	1	2.00	2	6.25	1	1.20	1	3.00	2	12.50	2	20.75
Scotch .....	1	2.0	1	16.00	1	7.50	1	3.00	1	1.50	1	7.50	1	12.00
Welsh .....	1	5.0	1	16.00	1	7.50	1	5.76	1	10.00	1	6.25	1	30.00
Total ...	143	4.3	39	11.16	127	8.24	34	2.75	79	3.85	133	10.84	138	18.96
<i>Georgia.</i>														
American...	25	5.6	1	5.00	20	6.63	2	1.92	2	2.25	25	16.44	25	12.21
Total ...	25	5.6	1	5.00	20	6.63	2	1.92	2	2.25	25	16.44	25	12.21
<i>Illinois.</i>														
American...	6	3.3	3	14.35	4	27.75	1	15.00					4	20.50
Austrian ..	1	3.0	1	6.00	1	3.60							1	9.00
Bohemian...	2	4.5												
Canadian ..	1	9.0												
English .....	4	5.5	3	16.17	3	24.52			3	8.00				
Fr. Canadian	1	10.0			1	91.25			1	16.80	3	15.52	3	20.00
German .....	15	3.9	3	16.83	3	26.47					1	10.08	1	36.00
Irish .....	8	3.9	1	9.15	2	12.00			1	2.00	1	2.40	3	20.33
Scotch .....	1	5.0	1	18.25	1	26.00					1	26.88	2	19.00
Welsh .....	1	5.0	1	18.25	1	22.00			1	6.00	1	14.56	1	26.00
Total ...	40	4.3	13	14.90	16	26.93	1	15.00	6	8.13	7	14.35	16	21.00
<i>New York.</i>														
American ..	9	4.0	7	14.71	7	26.69	7	2.09	9	8.68	8	7.99	9	19.25
Austrian ..	2	5.5	1	18.00	2	14.00	1	3.50			2	9.50	2	14.25
English .....	6	4.3	5	13.80	0	29.88	4	2.77	6	11.42	4	6.78	6	20.25
Fr. Canadian	1	8.0			1	18.00	1	3.00	1	19.20			1	20.80
German .....	5	5.8	5	22.40	5	46.48	2	1.35	5	20.00	5	10.26	5	28.39
Hungarian ..	3	8.7	2	18.00	3	26.67	1	3.00	1	12.00	3	21.17	3	13.93
Irish .....	25	5.6	21	21.83	24	36.57	18	2.00	25	13.70	21	6.01	25	21.25
Polish .....	1	6.0	1	24.00	1	22.00					1	25.00	1	12.00
Scotch .....	3	7.3	1	36.00	3	56.50	2	3.50	3	20.00	3	7.80	2	21.00
Welsh .....	1	3.0	1	18.00	1	40.00			1	9.00	1	7.20	1	25.20
Total ...	56	5.5	44	19.88	53	34.60	36	2.25	51	13.51	48	8.47	55	20.70
<i>Ohio.</i>														
American...	23	4.9	19	11.16	21	33.47	1	4.20	20	5.11	23	11.46	23	22.70
Bohemian ..	9	4.7	8	6.23	7	12.86	2	5.00	6	3.17	9	7.17	9	13.94
English .....	3	4.3	3	7.17	3	24.37			1	8.40	2	7.02	3	15.33
German .....	46	5.2	38	11.50	41	25.06	9	4.18	24	3.65	46	11.67	46	13.32
Irish .....	15	5.5	14	9.66	14	31.50			13	4.54	14	10.77	14	15.01
Scotch .....	1	10.0	1	5.00	1	33.00			1	5.00	1	11.50	1	17.50
Swedish .....	1	6.0	1	9.00	1	22.88			1	3.00	1	9.20	1	10.50
Total ...	98	5.2	84	10.36	88	27.16	12	4.32	66	4.30	96	10.94	97	15.92
<i>Pennsylvania.</i>														
American...	201	5.1	176	13.19	101	29.56	152	2.61	180	7.74	191	11.02	199	19.50
English .....	21	5.7	16	10.56	19	27.65	18	4.59	21	13.97	16	8.07	21	24.00
German .....	15	5.7	10	15.92	8	23.19	5	2.40	9	4.17	12	13.00	11	14.59
Irish .....	71	5.7	54	12.76	61	27.03	53	2.87	69	17.09	39	8.77	71	26.96
Italian .....	1	4.0	1	6.60	1	6.00	1	3.20	1	15.00	1	6.50	1	17.44
Scotch .....	4	4.5	4	8.40	4	24.28	4	5.40	4	15.25	3	8.50	4	19.78
Total ...	313	5.3	261	12.94	284	28.55	233	2.87	284	10.49	262	10.55	307	21.85
<i>Tennessee.</i>														
American...	49	4.4	1	5.00	18	6.58	1	1.00	9	5.22	17	11.81	19	17.02
Irish .....	2	9.0			2	41.00	2	1.80	2	12.38	1	18.75	2	55.00
Total .....	51	4.6	1	5.00	20	10.02	3	1.53	11	6.52	18	12.19	21	20.63

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)—Concluded.**

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Virginia.</i>														
American...	27	5.9	17	\$5.41	22	\$9.26	11	\$1.15	4	\$3.15	26	\$12.29	27	\$12.93
Total...	27	5.9	17	5.41	22	9.26	11	1.15	4	3.15	26	12.29	27	12.93
<i>W. Virginia.</i>														
American...	4	4.0	4	17.78	4	27.24	.....	.....	4	4.95	4	6.00	4	9.11
German .....	3	6.3	2	15.28	2	33.00	1	5.92	2	4.80	3	18.00	3	11.03
Irish .....	1	6.0	1	10.92	1	25.00	.....	.....	1	6.00	1	5.00	1	8.24
Scotch .....	1	7.0	1	22.55	1	33.60	.....	.....	1	6.00	1	7.50	1	12.18
Total...	9	5.3	8	16.89	8	29.20	1	5.92	8	5.18	9	10.06	9	10.00
<i>Belgium.</i>														
Belgian .....	11	5.8	7	19.29	11	38.89	6	6.24	.....	.....	11	23.20	7	3.04
Total .....	11	5.8	7	19.29	11	38.89	6	6.24	.....	.....	11	23.20	7	3.04
<i>Gt. Britain.</i>														
English .....	21	4.3	18	13.37	19	24.51	.....	.....	21	10.72	5	3.50	20	4.95
Irish .....	6	5.0	5	12.23	6	28.48	.....	.....	6	13.64	1	3.63	6	7.58
Scotch .....	21	5.3	21	20.24	20	32.32	.....	.....	21	16.25	14	5.91	21	8.95
Welsh .....	17	4.9	17	7.01	17	29.50	.....	.....	17	15.50	.....	.....	17	7.10
Total...	65	4.9	61	13.87	62	28.78	.....	.....	65	14.03	20	5.19	64	7.08

TABLE XX.—PIG IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	132	4.3	99	\$3.42	132	\$14.24	132	\$37.71	9	\$5.88	5	\$2.02	55	\$3.42
Canadian...	1	6.0	1	1.00	1	14.00	1	43.30	1	3.00				
English...	3	5.0	2	1.98	3	10.63	3	29.80	1	7.20			1	5.00
German...	3	4.3	2	4.60	3	8.75	3	22.85	2	11.70	1	.32	1	2.00
Irish...	2	3.5	1	1.00	2	13.13	2	34.35					2	1.90
Scotch...	1	2.0			1	4.00	1	13.50	1	12.00			1	3.00
Welsh...	1	5.0	1	1.50	1	19.00	1	26.00						
Total...	143	4.3	106	3.35	143	13.99	143	36.97	14	7.04	6	1.74	60	3.37
<i>Georgia.</i>														
American...	25	5.6	10	2.85	24	10.84	25	38.64					7	1.96
Total...	25	5.6	10	2.85	24	10.84	25	38.64					7	1.96
<i>Illinois.</i>														
American...	6	3.3			4	8.04	4	28.50					4	13.50
Austrian...	1	3.0			1	4.16	1	25.00			1	8.00		
Bohemian...	2	4.5												
Canadian...	1	9.0												
English...	4	5.5			3	8.93	3	42.00					2	18.50
Fr. Canadian...	1	10.0			1	24.00	1	60.00					1	30.00
German...	15	3.9	1	7.20	3	13.67	3	44.00					1	12.00
Irish...	8	3.9			1	5.00	2	31.50					1	20.00
Scotch...	1	5.0			1	24.00	1	60.00					1	20.00
Welsh...	1	5.0			1	8.32	1	40.00					1	10.00
Total...	40	4.3	1	7.20	15	11.03	16	38.75			1	8.00	11	16.64
<i>New York.</i>														
American...	9	4.0	3	2.17	8	4.31	9	25.06	8	3.57	3	.85	6	2.78
Austrian...	2	5.5	2	.90	1	3.00	2	16.00	2	5.54				
English...	6	4.3	4	.69	4	3.13	6	31.47	4	2.44	2	.64	4	3.94
Fr. Canadian...	1	8.0	1	.80	1	4.00	1	60.00	1	3.00				
German...	5	5.8	4	1.45	4	9.75	5	47.20	2	1.02	3	1.42	3	1.50
Hungarian...	3	8.7			1	7.20	3	27.33	1	.90			2	1.10
Irish...	25	5.6	11	2.21	17	4.81	25	47.46	16	2.30	6	1.74	13	4.09
Polish...	1	6.0			1	2.00	1	18.00	1	9.08				
Scotch...	3	7.3	1	1.50	2	6.15	3	54.17	2	3.45	1	.70	2	5.75
Welsh...	1	3.0			1	4.00	1	41.00					1	7.00
Total...	56	5.5	26	1.67	40	5.01	56	39.86	37	2.92	15	1.28	31	3.57
<i>Ohio.</i>														
American...	23	4.9	13	4.67	3	8.97	23	30.99	6	5.15	3	4.77	21	10.14
Bohemian...	9	4.7	1	4.00			9	22.67					9	3.17
English...	3	4.3	2	9.30			3	25.75					3	5.40
German...	46	5.2	30	3.04	11	4.57	46	28.65	10	2.31			42	7.00
Irish...	15	5.5	5	4.28	1	3.00	15	32.92			1	3.00	14	8.23
Scotch...	1	10.0					1	40.50					1	8.00
Swedish...	1	6.0					1	35.10					1	8.25
Total...	98	5.2	51	3.84	15	5.35	98	29.40	16	3.38	4	4.33	91	7.51
<i>Pennsylvania.</i>														
American...	201	5.1	133	3.45	172	6.94	201	33.42	141	4.26	134	2.33	188	13.64
English...	21	5.7	16	2.93	14	6.24	21	39.97	15	2.85	16	2.24	21	10.17
German...	15	5.7	4	5.10	5	7.92	12	43.73	3	6.67	6	1.29	11	8.76
Irish...	71	5.7	34	2.72	58	6.65	70	44.17	49	6.23	48	2.79	68	12.09
Italian...	1	4.0	1	1.80	1	4.00	1	14.60	1	1.20			1	2.60
Scotch...	4	4.5	2	1.95	4	6.58	4	28.95	2	1.70	2	3.25	4	10.05
Total...	313	5.3	190	3.29	254	6.84	309	36.59	211	4.62	206	2.41	293	12.76



TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)—Concluded.**

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Tennessee.</i>														
American...	49	4.4	14	\$4.18	19	\$11.57	19	\$35.16	.....	.....	2	\$0.37	13	\$4.00
Irish .....	2	9.0	1	6.00	2	19.00	2	69.83	.....	.....	.....	.....	2	4.50
Total ...	51	4.6	15	4.30	21	12.27	21	38.46	.....	.....	2	.37	15	4.07
<i>Virginia.</i>														
American...	27	5.9	26	3.71	25	11.52	27	45.40	.....	.....	17	1.50	27	4.12
Total ...	27	5.9	26	3.71	25	11.52	27	45.40	.....	.....	17	1.50	27	4.12
<i>W. Virginia.</i>														
American...	4	4.0	3	2.50	4	7.08	4	24.63	1	\$2.16	.....	.....	1	5.00
German .....	3	6.3	3	3.47	3	10.97	3	34.20	.....	.....	.....	.....	2	4.20
Irish .....	1	6.0	1	2.40	.....	.....	1	27.50	.....	.....	.....	.....	1	4.50
Scotch .....	1	7.0	1	2.40	1	6.50	1	33.00	.....	.....	.....	.....	.....	.....
Total ...	9	5.3	8	2.84	8	8.46	9	29.07	1	2.16	.....	.....	4	4.48
<i>Belgium.</i>														
Belgian .....	11	5.8	.....	.....	.....	.....	9	49.25	2	47.67	.....	.....	.....	.....
Total ...	11	5.8	.....	.....	.....	.....	9	49.25	2	47.67	.....	.....	.....	.....
<i>Gr. Britain.</i>														
English .....	21	4.3	.....	.....	.....	.....	19	14.94	7	17.73	.....	.....	.....	.....
Irish .....	6	5.0	.....	.....	1	3.16	6	26.48	3	14.76	.....	.....	.....	.....
Scotch .....	21	5.3	.....	.....	.....	.....	21	23.71	5	22.19	.....	.....	2	9.49
Welsh .....	17	4.9	.....	.....	1	6.33	8	40.84	10	31.95	.....	.....	.....	.....
Total ...	65	4.9	.....	.....	2	4.75	54	23.47	25	23.95	.....	.....	2	9.49

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (4).**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<b>Alabama.</b>												
American ..	132	4.3	129	\$8.13	131	\$4.08	.....	.....	131	\$25.42	\$192.80	\$44.73
Canadian...	1	6.0	1	6.00	.....	.....	.....	.....	1	30.00	249.20	41.53
English.....	3	5.0	3	13.00	3	4.63	.....	.....	3	22.00	206.38	41.28
German.....	3	4.3	3	8.25	3	2.65	.....	.....	3	22.67	179.09	41.33
Irish.....	2	3.5	2	7.05	2	3.30	.....	.....	2	27.00	173.48	49.56
Scotch.....	1	2.0	1	12.00	1	1.53	.....	.....	1	25.00	171.53	85.77
Welsh.....	1	5.0	1	2.25	1	3.10	.....	.....	1	30.00	215.76	43.15
Total...	143	4.3	140	8.19	141	4.02	.....	.....	142	25.38	192.93	44.71
<b>Georgia.</b>												
American...	25	5.6	25	7.80	25	3.57	.....	.....	25	16.08	165.38	29.32
Total...	25	5.6	25	7.80	25	3.57	.....	.....	25	16.08	165.38	29.32
<b>Illinois.</b>												
American...	6	3.3	4	6.13	3	9.67	.....	.....	6	123.67	259.75	77.93
Austrian...	1	3.0	1	12.50	1	3.00	.....	.....	1	6.00	149.26	49.75
Bohemian...	2	4.5	.....	.....	.....	.....	.....	.....	2	330.00	330.00	73.33
Canadian...	1	9.0	.....	.....	.....	.....	.....	.....	1	660.00	660.00	73.33
English.....	4	5.5	3	12.00	2	10.00	.....	.....	4	141.50	365.90	66.53
Fr.Canadian	1	10.0	1	18.00	1	24.00	.....	.....	1	15.00	545.13	54.51
German.....	15	3.9	2	15.60	2	11.50	.....	.....	15	266.67	320.78	82.96
Irish.....	8	3.0	2	7.50	2	11.00	.....	.....	8	331.13	384.57	99.24
Scotch.....	1	5.0	1	10.00	1	6.00	.....	.....	1	36.00	340.25	68.05
Welsh.....	1	5.0	1	11.00	1	6.00	.....	.....	1	5.00	229.13	45.83
Total...	40	4.3	15	10.55	13	10.23	.....	.....	40	233.48	837.35	78.45
<b>New York.</b>												
American...	9	4.0	8	7.60	6	4.62	.....	.....	9	18.89	194.55	48.64
Austrian...	2	5.5	2	14.40	2	2.63	.....	.....	2	10.00	184.87	33.61
English.....	6	4.3	6	6.95	5	6.29	.....	.....	6	15.33	217.51	50.20
Fr.Canadian	1	8.0	1	20.00	1	1.50	.....	.....	1	10.00	236.30	29.54
German.....	5	5.8	5	21.42	4	5.00	.....	.....	5	15.20	342.63	59.07
Hungarian...	3	8.7	3	7.80	2	4.70	.....	.....	3	11.67	205.87	23.75
Irish.....	25	5.6	25	11.56	21	3.35	.....	.....	25	14.64	260.19	46.13
Polish.....	1	6.0	1	16.00	1	2.35	.....	.....	1	10.00	196.23	32.71
Scotch.....	3	7.3	3	15.67	3	8.82	.....	.....	3	18.33	302.32	53.50
Welsh.....	1	3.0	.....	.....	1	4.00	.....	.....	1	16.00	225.40	75.13
Total...	56	5.5	54	11.74	46	4.31	.....	.....	56	15.18	251.71	45.77
<b>Ohio.</b>												
American...	23	4.9	19	7.32	15	6.99	5	\$3.43	23	19.99	263.02	54.01
Bohemian...	9	4.7	9	14.00	9	4.50	.....	.....	9	13.88	212.52	45.54
English.....	3	4.3	3	8.95	2	4.00	.....	.....	3	16.23	241.81	55.80
German.....	46	5.2	42	9.68	18	6.59	15	1.26	45	13.38	209.76	40.37
Irish.....	15	5.5	14	11.48	7	5.56	1	2.00	15	20.53	267.66	48.37
Scotch.....	1	10.0	1	16.50	.....	.....	.....	.....	1	18.50	287.70	28.77
Swedish.....	1	6.0	1	11.00	.....	.....	.....	.....	1	24.00	257.43	42.91
Total...	98	5.2	89	9.96	51	6.10	21	1.81	97	16.35	233.64	45.34
<b>Pennsylvania.</b>												
American...	201	5.1	165	8.91	167	6.03	159	4.60	201	20.60	247.54	48.88
English.....	21	5.7	15	6.36	20	5.26	19	4.07	21	12.23	239.84	41.97
German.....	15	5.7	7	12.21	6	11.63	7	2.84	15	45.60	225.45	39.32
Irish.....	71	5.7	50	10.26	63	6.13	58	4.33	71	19.81	288.23	50.16
Italian.....	1	4.0	1	6.40	1	7.97	.....	.....	1	52.00	212.95	53.24
Scotch.....	4	4.5	3	5.50	4	4.81	2	5.78	4	29.73	259.14	57.59
Total...	313	5.3	241	9.08	261	6.11	245	4.46	313	21.40	255.23	48.30

TABLE XX.—PIG IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)—Concluded.

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>Tennessee.</i>												
American...	49	4.4	19	\$3.14	18	\$4.59	.....	.....	49	\$143.22	\$202.19	\$45.85
Irish.....	2	9.0	2	9.95	2	7.03	.....	.....	2	30.00	336.85	37.43
Total...	51	4.6	21	8.31	20	4.84	.....	.....	51	138.78	207.38	45.20
<i>Virginia.</i>												
American...	27	5.9	26	3.59	26	9.33	27	\$8.02	27	8.65	182.25	30.75
Total...	27	5.9	26	3.59	26	9.33	27	3.02	27	8.65	182.25	30.75
<i>W. Virginia.</i>												
American...	4	4.0	4	6.75	3	9.22	4	1.38	4	8.34	208.20	52.05
German....	3	6.3	3	8.93	3	10.58	2	1.38	3	17.81	234.52	37.03
Irish.....	1	6.0	1	9.60	1	12.00	1	1.15	1	4.00	181.61	30.27
Scotch.....	1	7.0	1	9.00	1	7.00	1	1.75	1	12.20	262.74	37.53
Total...	9	5.3	9	8.04	8	9.80	8	1.39	9	11.44	220.08	41.26
<i>Belgium.</i>												
Belgian....	11	5.8	.....	.....	4	9.84	6	1.06	.....	.....	169.79	29.18
Total...	11	5.8	.....	.....	4	9.84	6	1.06	.....	.....	169.79	29.18
<i>Gr. Britain..</i>												
English....	21	4.3	21	6.32	18	5.54	.....	.....	21	22.53	171.67	39.62
Irish.....	6	5.0	6	10.57	5	7.71	.....	.....	6	22.58	216.11	43.22
Scotch.....	21	5.3	21	8.98	20	11.89	.....	.....	21	40.83	302.24	56.67
Welsh.....	17	4.9	17	12.92	5	3.43	.....	.....	17	17.79	188.04	38.51
Total...	65	4.9	65	9.29	48	8.20	.....	.....	65	27.23	222.24	45.71



TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	132	4.3	127	\$16.25	132	\$5.05	132	\$44.38	130	\$28.78	87	\$50.32
Canadian...	1	6.0	1	18.00	1	8.00	1	45.00	1	50.00	1	70.00
English...	3	5.0	3	25.67	3	6.00	3	33.33	3	17.67	2	92.50
German...	3	4.3	3	24.33	3	3.98	3	33.33	3	17.00	2	90.00
Irish...	2	3.5	2	26.25	2	4.00	2	22.50	2	13.50	2	20.00
Scotch...	1	2.0	1	24.00	1	5.00	1	40.00	1	25.00		
Welsh...	1	5.0	1	9.00	1	4.00	1	30.00	1	16.00	1	30.00
<b>Total...</b>	<b>143</b>	<b>4.3</b>	<b>138</b>	<b>16.79</b>	<b>143</b>	<b>5.05</b>	<b>143</b>	<b>43.48</b>	<b>141</b>	<b>28.11</b>	<b>95</b>	<b>51.40</b>
<i>Georgia.</i>												
American...	25	5.6	25	8.72	25	5.08	25	32.48	25	17.80	20	72.30
<b>Total...</b>	<b>25</b>	<b>5.6</b>	<b>25</b>	<b>8.72</b>	<b>25</b>	<b>5.08</b>	<b>25</b>	<b>32.48</b>	<b>25</b>	<b>17.80</b>	<b>20</b>	<b>72.30</b>
<i>Illinois.</i>												
American...	6	3.3	6	42.67	5	4.10	6	44.17	5	41.00	5	29.72
Austrian...	1	3.0	1	20.00	1	3.00	1	16.00	1	12.00	1	4.00
Bohemian...	2	4.5	2	42.50	1	1.80	2	100.00	2	50.00	2	22.50
Canadian...	1	9.0	1	60.00	1	7.20	1	40.00	1	40.00	1	75.00
English...	4	5.5	4	44.75	4	5.55	4	57.50	4	37.50	3	75.00
Fr. Canadian...	1	10.0	1	105.00	1	7.20	1	25.00	1	20.00	1	120.00
German...	15	3.9	15	35.53	15	2.45	15	62.40	15	52.33	11	47.09
Irish...	8	3.9	8	40.75	8	3.21	8	46.25	7	50.00	5	40.00
Scotch...	1	5.0	1	48.00	1	7.20	1	30.00	1	30.00	1	75.00
Welsh...	1	5.0	1	40.00	1	3.60	1	30.00	1	25.00	1	90.00
<b>Total...</b>	<b>40</b>	<b>4.3</b>	<b>40</b>	<b>41.30</b>	<b>38</b>	<b>3.56</b>	<b>40</b>	<b>53.55</b>	<b>38</b>	<b>45.18</b>	<b>31</b>	<b>48.41</b>
<i>New York.</i>												
American...	9	4.0	9	39.82	9	3.50	9	43.89	9	18.56		
Austrian...	2	5.5	2	22.50	2	1.90	2	35.00	2	12.50	9	26.11
English...	6	4.3	6	31.00	6	2.23	6	51.67	6	18.50	2	12.50
Fr. Canadian...	1	8.0	1	15.00	1	1.60	1	30.00	1	10.00	5	31.00
German...	5	5.8	5	29.55	5	3.20	5	35.00	5	15.00	1	70.00
Hungarian...	3	8.7	3	30.33	3	3.20	3	35.67	3	17.00	4	50.75
Irish...	25	5.6	25	37.52	25	2.41	25	46.40	24	18.63	2	33.00
Polish...	1	6.0	1	16.50	1	3.00	1	30.00	1	12.00	22	69.23
Scotch...	3	7.3	3	60.00	3	4.84	3	45.00	3	20.00		
Welsh...	1	3.0	1	30.00	1	2.00	1	35.00	1	15.00	3	59.33
<b>Total...</b>	<b>56</b>	<b>5.5</b>	<b>56</b>	<b>35.85</b>	<b>56</b>	<b>2.78</b>	<b>56</b>	<b>43.70</b>	<b>55</b>	<b>17.69</b>	<b>49</b>	<b>50.61</b>
<i>Ohio.</i>												
American...	23	4.9	23	32.10	23	3.40	23	37.23	23	25.11	21	62.57
Bohemian...	9	4.7	9	27.67	9	3.70	9	36.17	9	23.44	7	46.86
English...	3	4.3	3	33.00	3	3.20	3	30.83	3	15.67	2	47.50
German...	46	5.2	46	29.88	46	3.03	45	34.65	43	22.82	42	60.43
Irish...	15	5.5	15	35.83	15	3.37	15	36.62	15	21.03	13	65.77
Scotch...	1	10.0	1	36.00	1	2.40	1	23.00	1	10.00	1	100.00
Swedish...	1	6.0	1	36.00	1	2.88	1	33.00	1	20.00	1	80.00
<b>Total...</b>	<b>98</b>	<b>5.2</b>	<b>98</b>	<b>31.33</b>	<b>98</b>	<b>3.23</b>	<b>97</b>	<b>35.45</b>	<b>95</b>	<b>22.76</b>	<b>87</b>	<b>61.04</b>
<i>Pennsylvania.</i>												
American...	201	5.1	201	29.93	201	3.90	201	31.78	201	21.84	178	40.52
English...	21	5.7	21	30.18	21	3.58	21	30.09	21	17.46	19	55.49
German...	15	5.7	14	23.63	14	3.09	15	33.52	15	20.09	15	46.28
Irish...	71	5.7	71	31.59	71	3.74	71	36.78	66	26.55	62	61.10
Italian...	1	4.0	1	21.00	1	7.50	1	12.00	1	12.00	1	20.40
Scotch...	4	4.5	4	24.38	4	5.40	4	23.25	4	15.50	2	25.00
<b>Total...</b>	<b>313</b>	<b>5.3</b>	<b>312</b>	<b>29.94</b>	<b>312</b>	<b>3.84</b>	<b>313</b>	<b>32.71</b>	<b>308</b>	<b>22.42</b>	<b>277</b>	<b>46.23</b>

TABLE XX.—PIG IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)—Concluded.

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
							Husband.		Wife.		Children.	
	Total	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Tennessee.</i>												
American....	49	4.4	48	\$19.08	48	\$3.54	49	\$36.78	49	\$32.86	37	\$35.73
Irish.....	2	9.0	2	19.00	2	9.00	2	27.50	1	15.00	2	151.50
Total ...	51	4.6	50	19.08	50	3.76	51	36.41	50	32.50	39	41.67
<i>Virginia.</i>												
American....	27	5.9	27	29.51	27	5.67	27	33.63	27	20.29	24	32.00
Total ...	27	5.9	27	29.51	27	5.67	27	33.63	27	20.29	24	32.00
<i>W. Virginia.</i>												
American....	4	4.0	4	26.05	4	2.40	4	53.75	4	55.00	4	57.50
German.....	3	6.3	3	23.57	3	2.07	3	17.33	3	15.67	3	45.33
Irish.....	1	6.0	1	23.45	1	2.40	1	28.00	1	25.00	1	48.00
Scotch.....	1	7.0	1	28.00	1	3.60	1	32.00	1	45.00	1	115.00
Total ...	9	5.3	9	25.15	9	2.42	9	36.33	9	37.44	9	58.78
<i>Belgium.</i>												
Belgian.....	11	5.8	11	16.74	11	4.55	11	26.67	11	11.58	9	64.33
Total ...	11	5.8	11	16.74	11	4.55	11	26.67	11	11.58	9	64.33
<i>Gt. Britain.</i>												
English.....	21	4.3	21	23.93	21	6.43	21	33.33	21	31.28	15	33.09
Irish.....	6	5.0	6	20.63	6	6.21	6	25.95	6	23.12	5	40.39
Scotch.....	21	5.3	21	12.62	21	5.10	21	18.31	21	18.54	21	43.45
Welsh.....	17	4.9	17	25.62	17	5.53	17	18.90	17	18.18	15	27.09
Total ...	65	4.9	65	20.76	65	5.76	65	24.18	65	22.99	56	36.02

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
	Total.	Average size.	Families.	Average cost.	Property.		Life.		Labor.		Other.	
					Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<b>Alabama.</b>												
American...	132	4.3	117	\$4.29	1	\$12.00	7	\$8.84	10	\$5.68	22	\$6.61
Canadian...	1	6.0	1	4.50	.....	.....	.....	.....	.....	.....	.....	.....
English...	3	5.0	2	5.75	.....	.....	.....	.....	.....	.....	1	12.00
German...	3	4.3	2	5.88	.....	.....	.....	.....	.....	.....	.....	.....
Irish...	2	3.5	2	3.55	.....	.....	.....	.....	.....	.....	1	4.00
Scotch...	1	2.0	1	4.50	.....	.....	.....	.....	.....	.....	.....	.....
Welsh...	1	5.0	1	4.50	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total...</b>	<b>143</b>	<b>4.3</b>	<b>126</b>	<b>4.33</b>	<b>1</b>	<b>12.00</b>	<b>7</b>	<b>8.84</b>	<b>10</b>	<b>5.68</b>	<b>24</b>	<b>6.73</b>
<b>Georgia.</b>												
American...	25	5.6	25	1.46	.....	.....	3	7.13	2	2.80	3	4.33
<b>Total...</b>	<b>25</b>	<b>5.6</b>	<b>25</b>	<b>1.46</b>	.....	.....	<b>3</b>	<b>7.13</b>	<b>2</b>	<b>2.80</b>	<b>3</b>	<b>4.33</b>
<b>Illinois.</b>												
American...	6	3.3	2	10.93	2	10.93	.....	.....	2	6.00	1	6.00
Austrian...	1	3.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bohemian...	2	4.5	2	6.30	2	9.00	.....	.....	.....	.....	.....	.....
Canadian...	1	9.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
English...	4	5.5	1	2.50	2	1.58	.....	.....	.....	.....	.....	.....
Fr. Canadian	1	10.0	.....	.....	.....	.....	.....	.....	1	4.50	.....	.....
German...	15	3.9	7	5.48	8	4.04	1	7.00	2	5.00	.....	.....
Irish...	8	3.9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Scotch...	1	5.0	.....	.....	.....	.....	1	12.00	2	5.00	.....	.....
Welsh...	1	5.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
<b>Total...</b>	<b>40</b>	<b>4.3</b>	<b>12</b>	<b>6.28</b>	<b>14</b>	<b>5.38</b>	<b>2</b>	<b>9.50</b>	<b>7</b>	<b>5.21</b>	<b>1</b>	<b>6.00</b>
<b>New York.</b>												
American...	9	4.0	7	4.29	3	1.50	3	32.13	.....	.....	3	5.33
Austrian...	2	5.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
English...	6	4.3	3	1.00	.....	.....	1	18.20	.....	.....	3	6.00
Fr. Canadian	1	8.0	1	2.00	.....	.....	.....	.....	.....	.....	.....	.....
German...	5	5.8	1	1.00	1	2.00	1	12.90	.....	.....	.....	.....
Hungarian...	3	8.7	2	1.00	.....	.....	.....	.....	.....	.....	.....	.....
Irish...	25	5.6	16	4.19	3	1.58	6	24.33	.....	.....	2	4.50
Polish...	1	6.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Scotch...	3	7.3	2	5.00	.....	.....	.....	.....	.....	.....	1	12.00
Welsh...	1	3.0	1	2.00	.....	.....	1	57.20	.....	.....	1	6.00
<b>Total...</b>	<b>56</b>	<b>5.5</b>	<b>33</b>	<b>3.55</b>	<b>7</b>	<b>1.61</b>	<b>12</b>	<b>27.56</b>	.....	.....	<b>10</b>	<b>6.10</b>
<b>Ohio.</b>												
American...	23	4.9	14	10.20	11	3.38	8	15.73	.....	.....	6	6.00
Bohemian...	9	4.7	2	11.00	2	11.67	1	6.00	1	13.00	.....	.....
English...	3	4.3	.....	.....	.....	.....	2	15.00	.....	.....	.....	.....
German...	46	5.2	38	12.51	36	3.94	18	17.39	16	7.06	5	4.80
Irish...	15	5.5	10	14.57	7	9.12	7	15.00	.....	.....	2	5.25
Scotch...	1	10.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Swedish...	1	6.0	.....	.....	.....	.....	1	15.00	.....	.....	.....	.....
<b>Total...</b>	<b>98</b>	<b>5.2</b>	<b>64</b>	<b>12.28</b>	<b>56</b>	<b>4.76</b>	<b>37</b>	<b>16.08</b>	<b>17</b>	<b>7.41</b>	<b>13</b>	<b>5.42</b>
<b>Pennsylvania.</b>												
American...	201	5.1	170	4.74	22	5.71	29	21.52	34	8.30	72	12.91
English...	21	5.7	18	6.92	3	20.00	2	29.82	4	9.35	4	6.80
German...	15	5.7	15	8.38	6	8.08	5	22.81	.....	.....	7	19.63
Irish...	71	5.7	57	7.52	12	7.66	5	20.21	4	5.80	11	10.90
Italian...	1	4.0	.....	.....	.....	.....	.....	.....	1	7.00	1	12.00
Scotch...	4	4.5	1	1.41	.....	.....	1	12.00	1	7.00	3	13.73
<b>Total...</b>	<b>313</b>	<b>5.3</b>	<b>261</b>	<b>5.69</b>	<b>43</b>	<b>7.58</b>	<b>42</b>	<b>21.69</b>	<b>44</b>	<b>8.11</b>	<b>98</b>	<b>12.93</b>



TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)—Concluded.**

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Tennessee.</i>												
American...	49	4.4	42	\$2.74	1	\$6.00	13	\$11.82	.....	.....	20	\$7.20
Irish.....	2	9.0	.....	.....	.....	.....	1	36.00	.....	.....	.....	.....
Total ...	51	4.6	42	2.74	1	6.00	14	13.54	.....	.....	20	7.20
<i>Virginia.</i>												
American...	27	5.9	20	3.39	.....	.....	.....	.....	.....	.....	2	7.75
Total ...	27	5.9	20	3.39	.....	.....	.....	.....	.....	.....	2	7.75
<i>W. Virginia.</i>												
American...	4	4.0	4	12.13	1	15.00	.....	.....	1	\$6.00	1	18.00
German.....	3	6.3	3	4.87	.....	.....	1	10.40	.....	.....	.....	.....
Irish.....	1	6.0	1	10.50	1	6.00	.....	.....	.....	.....	.....	.....
Scotch.....	1	7.0	1	5.75	.....	.....	.....	.....	.....	.....	1	5.00
Total ...	9	5.3	9	8.82	2	10.50	1	10.40	1	6.00	2	11.50
<i>Belgium.</i>												
Belgian.....	11	5.8	11	.56	.....	.....	.....	.....	2	3.67	4	6.63
Total ...	11	5.8	11	.56	.....	.....	.....	.....	2	3.67	4	6.63
<i>Gt. Britain.</i>												
English.....	21	4.3	.....	.....	.....	.....	17	12.85	2	6.33	21	10.83
Irish.....	6	5.0	1	1.95	.....	.....	3	11.60	2	4.39	5	7.85
Scotch.....	21	5.3	20	1.76	.....	.....	.....	.....	9	2.70	1	7.30
Welsh.....	17	4.9	.....	.....	.....	.....	1	3.16	1	6.33	11	10.01
Total ...	65	4.9	21	1.77	.....	.....	21	12.21	14	3.72	38	10.11

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	132	4.3	103	\$4.47	110	\$1.99	130	\$29.14	78	\$3.44	119	\$14.00
Canadian...	1	6.0	1	3.00	1	2.00	1	50.00			1	16.00
English...	3	5.0	3	1.83	3	1.33	3	25.67	3	7.33	3	9.33
German...	3	4.3	1	5.00	1	3.00	3	7.67	3	3.33	1	3.00
Irish...	2	3.5	1	5.00	1	.50	2	19.00	1	1.50		
Scotch...	1	2.0	1	1.00			1	4.00	1	1.50	1	6.00
Welsh...	1	5.0					1	35.00				
Total...	143	4.3	110	4.36	116	1.97	141	28.50	86	3.53	125	13.75
<i>Georgia.</i>												
American...	25	5.6	20	3.45	22	2.09	25	32.24	14	1.93	16	3.03
Total...	25	5.6	20	3.45	22	2.09	25	32.24	14	1.93	16	3.03
<i>Illinois.</i>												
American...	6	3.3	4	11.75	4	6.00	4	80.25	5	6.77	3	17.00
Austrian...	1	3.0	1	6.50			1	7.00	1	3.00		
Bohemian...	2	4.5					1	100.00			1	2.00
Canadian...	1	9.0	1	12.00			1	15.00	1	24.00		
English...	4	5.5	2	10.00	3	5.67	4	30.91	4	9.10	3	15.00
Fr. Canadian...	1	10.0	1	6.00	1	5.00	1	15.00				
German...	15	3.9	11	11.82	12	4.17	12	24.46	14	7.86	10	10.10
Irish...	8	3.9	8	7.81	6	4.83	4	18.13	6	9.67	4	12.75
Scotch...	1	5.0					1	41.00	1	7.20		
Welsh...	1	5.0					1	14.00	1	3.65		
Total...	40	4.3	28	10.14	26	4.81	30	33.42	33	8.37	21	11.90
<i>New York.</i>												
American...	9	4.0	5	4.60	6	2.00	9	20.00	9	4.92	4	16.50
Austrian...	2	5.5					2	2.50				
English...	6	4.3	2	12.00			6	30.67	5	3.90		
Fr. Canadian...	1	8.0					1	4.00				
German...	5	5.8	3	17.67			5	16.00	3	4.00		
Hungarian...	3	8.7					2	31.00			1	2.40
Irish...	25	5.6	25	11.82	1	3.00	25	10.82	20	4.35	2	4.50
Polish...	1	6.0					1	2.00				
Scotch...	3	7.3	3	13.33	1	10.00	3	52.00	2	3.50	2	19.50
Welsh...	1	3.0	1	5.00	1	2.00	1	4.00	1	12.00		
Total...	56	5.5	39	11.29	9	3.00	55	17.23	40	4.54	9	12.93
<i>Ohio.</i>												
American...	23	4.9	14	6.23	15	3.10	17	11.64	20	9.98	6	7.67
Bohemian...	9	4.7			9	1.94	9	11.11	9	5.56	9	17.11
English...	3	4.3	2	5.00	1	3.00	2	38.00	3	3.62		
German...	46	5.2	34	9.83	16	2.09	23	16.47	42	4.81	5	12.20
Irish...	15	5.5	14	14.79	8	2.25	12	10.75	15	6.41	2	3.50
Scotch...	1	10.0			1	1.50			1	10.20		
Swedish...	1	6.0	1	20.00					1	10.00		
Total...	98	5.2	65	10.13	50	2.40	63	13.99	91	6.36	22	12.18
<i>Pennsylvania.</i>												
American...	201	5.1	148	6.76	173	2.99	198	26.05	185	6.34	89	9.26
English...	21	5.7	17	14.15	20	3.15	21	24.09	18	5.51	11	8.39
German...	15	5.7	12	11.25	11	2.59	15	15.65	14	5.64	10	4.05
Irish...	71	5.7	63	12.43	62	3.19	71	26.69	53	6.51	24	8.24
Italian...	1	4.0					1	5.00	1	4.00		
Scotch...	4	4.5	3	8.67	3	1.92	4	42.63	3	5.50		
Total...	313	5.3	243	8.93	269	3.02	310	25.71	274	6.26	134	8.62

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)—Concluded.**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Tennessee.</i>												
American...	49	4.4	38	\$4.71	43	\$3.24	31	\$29.13	37	\$6.14	42	\$16.42
Irish.....	2	9.0	2	14.00	.....	.....	2	10.00	2	8.25	2	4.50
Total ...	51	4.6	40	5.18	43	3.24	33	27.97	39	6.25	44	15.88
<i>Virginia.</i>												
American...	27	5.9	21	4.29	17	1.09	27	22.94	18	3.71	15	6.50
Total. ...	27	5.9	21	4.29	17	1.09	27	22.94	18	3.71	15	6.50
<i>W. Virginia.</i>												
American...	4	4.0	2	6.50	2	5.50	3	24.80	4	4.29	.....	.....
German.....	3	6.3	.....	.....	1	7.00	1	27.00	3	5.67	.....	.....
Irish.....	1	6.0	1	3.00	1	2.00	1	15.00	1	5.60	.....	.....
Scotch.....	1	7.0	1	6.00	1	3.00	1	58.00	1	11.00	.....	.....
Total ...	9	5.3	4	5.50	5	4.60	6	29.67	9	5.64	.....	.....
<i>Belgium.</i>												
Belgian.....	11	5.8	8	1.24	1	2.01	3	2.57	2	2.51	6	38.54
Total ...	11	5.8	8	1.24	1	2.01	3	2.57	2	2.51	6	38.54
<i>Gt. Britain.</i>												
English.....	21	4.3	8	3.96	10	2.55	15	9.25	20	6.09	20	26.28
Irish.....	6	5.0	4	10.53	.....	.....	4	7.30	6	3.15	6	17.03
Scotch.....	21	5.3	16	1.98	3	2.43	20	5.59	20	4.99	19	12.68
Welsh.....	17	4.9	8	9.34	.....	.....	1	1.46	12	4.60	8	17.64
Total ...	65	4.9	36	5.00	13	2.52	40	7.03	58	5.10	53	19.05



TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)**

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>Alabama.</i>												
American...	132	4.3	108	\$18.08	119	\$15.52	132	\$24.20	132	\$25.34	\$259.29	\$60.36
Canadian...	1	6.0	1	2.00	1	20.00	1	60.00	1	25.00	373.50	62.25
English...	3	5.0	3	2.67	1	14.00	3	16.67	3	23.67	246.33	49.27
German...	3	4.3	1	6.00	2	11.25	3	23.33	3	29.67	219.73	50.71
Irish...	2	3.5	2	6.00	2	8.50	2	23.00	2	24.50	176.30	50.37
Scotch...	1	2.0	1	6.00	1	10.00	1	5.00	1	23.00	155.00	77.50
Welsh...	1	5.0	1	20.00	1	6.00	1	23.00	1	30.00	207.50	41.50
Total...	143	4.3	117	17.15	127	15.24	143	24.11	143	25.40	256.73	59.50
<i>Georgia.</i>												
American...	25	5.6	20	8.05	24	15.46	24	13.60	25	38.92	238.10	42.22
Total...	25	5.6	20	8.05	24	15.46	24	13.60	25	38.92	238.10	42.22
<i>Illinois.</i>												
American...	6	3.3	5	34.85	5	11.76	6	27.75	6	55.92	361.45	108.43
Austrian...	1	3.0	.....	.....	.....	.....	1	30.00	1	13.00	114.50	38.17
Bohemian...	2	4.5	2	90.00	2	4.50	2	15.00	2	11.00	402.70	89.49
Canadian...	1	9.0	1	60.00	1	8.40	1	40.00	1	70.00	451.60	50.18
English...	4	5.5	4	71.75	4	12.50	3	23.33	4	14.00	380.35	69.16
Fr. Canadian	1	10.0	.....	.....	1	8.00	1	35.00	1	21.00	367.20	36.72
German...	15	3.9	13	58.62	11	11.11	11	29.55	11	25.77	338.25	87.48
Irish...	8	3.9	7	71.29	7	11.63	5	6.60	6	35.00	298.76	77.10
Scotch...	1	5.0	.....	.....	.....	.....	1	35.00	1	15.50	288.90	57.78
Welsh...	1	5.0	1	75.00	1	15.60	1	25.00	1	13.00	334.85	66.97
Total...	40	4.3	33	61.73	32	11.04	32	24.67	34	30.57	337.91	78.58
<i>New York.</i>												
American...	9	4.0	1	6.00	8	4.73	9	10.78	9	32.78	232.76	58.19
Austrian...	2	5.5	2	33.00	2	8.00	2	20.00	2	12.50	160.40	29.16
English...	6	4.3	3	63.33	6	5.50	6	13.83	6	16.50	241.18	55.66
Fr. Canadian	1	8.0	.....	.....	1	4.80	1	6.00	1	10.00	153.40	19.18
German...	5	5.8	2	32.50	4	4.95	5	9.60	5	11.60	103.69	33.39
Hungarian...	3	8.7	2	42.00	3	6.80	3	5.00	3	14.00	184.13	21.25
Irish...	25	5.6	3	7.00	21	5.30	25	21.14	25	16.17	243.40	43.16
Polish...	1	6.0	1	60.00	1	6.00	1	4.00	1	10.00	143.50	23.92
Scotch...	3	7.3	.....	.....	3	6.00	3	15.33	3	15.00	316.84	43.21
Welsh...	1	3.0	.....	.....	1	5.00	1	30.00	1	12.00	242.20	80.73
Total...	56	5.5	14	35.14	50	5.44	56	16.03	56	17.86	231.40	42.07
<i>Ohio.</i>												
American...	23	4.9	13	16.08	22	9.34	20	31.20	23	31.39	271.46	55.75
Bohemian...	9	4.7	9	7.78	9	3.67	9	16.56	9	9.48	207.77	44.52
English...	3	4.3	3	13.00	3	7.77	3	13.33	3	10.73	202.49	46.73
German...	46	5.2	33	13.93	40	8.00	43	26.35	46	35.84	265.89	51.18
Irish...	15	5.5	15	17.67	15	9.09	14	23.14	15	19.68	274.03	49.52
Scotch...	1	10.0	1	3.00	1	12.00	1	25.00	1	11.20	234.30	23.43
Swedish...	1	6.0	.....	.....	1	6.00	1	30.00	1	8.75	261.63	43.61
Total...	98	5.2	74	14.13	91	8.09	91	25.55	98	28.61	260.80	50.61
<i>Pennsylvania.</i>												
American...	201	5.1	85	11.89	179	11.81	195	19.40	200	42.45	256.74	50.69
English...	21	5.7	14	15.57	19	11.20	20	21.95	21	76.54	311.84	54.57
German...	15	5.7	5	42.24	8	12.79	15	16.63	15	47.67	272.93	47.60
Irish...	71	5.7	54	14.98	62	10.82	62	20.51	71	63.16	310.98	54.12
Italian...	1	4.0	.....	.....	1	15.00	1	5.00	1	20.00	140.50	35.13
Scotch...	4	4.5	3	10.33	4	8.63	4	17.75	4	50.25	231.80	51.51
Total...	313	5.3	161	13.90	273	11.54	297	19.60	312	49.73	272.82	51.63

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)—Concluded.**

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>Tennessee.</i>												
American...	49	4.4	42	\$9.40	35	\$11.99	47	\$16.89	24	\$24.58	\$215.82	\$48.96
Irish.....	2	9.0	2	4.50	2	12.00	2	12.00	2	18.00	315.75	35.08
Total...	51	4.6	44	9.18	37	11.99	49	16.69	26	24.08	219.74	47.89
<i>Virginia.</i>												
American...	27	5.9	24	8.08	23	11.27	27	20.09	27	32.40	222.94	37.62
Total...	27	5.9	24	8.08	23	11.27	27	20.09	27	32.40	222.94	37.62
<i>W. Virginia.</i>												
American...	4	4.0	.....	.....	4	14.85	3	21.67	4	7.31	283.88	70.97
German.....	8	6.3	.....	.....	3	11.43	3	27.33	3	11.00	179.06	28.27
Irish.....	1	6.0	.....	.....	1	.....	1	24.00	1	185.25	378.20	63.03
Scotch.....	1	7.0	.....	.....	1	6.58	1	25.00	1	8.50	352.43	50.35
Total...	9	5.3	.....	.....	8	12.53	8	24.50	9	28.44	267.04	50.07
<i>Belgium.</i>												
Belgian.....	11	5.8	7	9.66	9	5.54	7	25.56	8	6.85	171.00	29.39
Total...	11	5.8	7	9.66	9	5.54	7	25.56	8	6.85	171.00	29.39
<i>Gt. Britain.</i>												
English.....	21	4.3	16	18.71	17	15.28	21	5.98	2	10.47	214.76	49.56
Irish.....	6	5.0	5	14.99	3	12.65	6	4.33	.....	.....	178.95	35.79
Scotch.....	21	5.3	8	31.02	6	18.66	19	4.48	.....	.....	146.80	27.52
Welsh.....	17	4.9	10	23.00	8	18.41	17	3.04	6	38.21	153.97	31.54
Total...	65	4.9	39	21.86	34	16.38	63	4.58	8	31.27	173.60	35.71

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.		Deficit.	
										Families.	Average.	Families.	Average.
Alabama.													
American ..	132	4.3	4	\$66.13	\$192.80	\$259.29	\$515.71	\$487.45	\$535.72	70	\$100.66	62	\$71.05
Canadian ..	1	6.0	.....	72.00	249.20	373.50	694.70	630.00	750.00	1	55.30	.....	.....
English ...	3	5.0	2	120.00	206.38	246.33	492.71	871.80	880.13	3	387.42	.....	.....
German ....	3	4.3	1	157.50	179.09	219.73	503.82	534.59	630.59	3	126.76	.....	.....
Irish .....	2	3.5	.....	76.50	173.48	176.30	426.28	534.98	534.98	2	108.70	.....	.....
Scotch .....	1	2.0	.....	96.00	171.53	155.00	422.53	720.00	720.00	1	297.47	.....	.....
Welsh .....	1	5.0	.....	60.00	215.76	207.50	483.26	825.00	825.00	1	341.74	.....	.....
Total..	143	4.3	7	68.26	192.93	256.73	514.10	503.19	549.74	81	117.29	62	71.05
Georgia.													
American ..	25	5.6	.....	40.56	165.38	238.10	444.04	404.69	499.05	19	78.38	6	18.96
Total..	25	5.6	.....	40.56	165.38	238.10	444.04	404.69	499.05	19	78.38	6	18.96
Illinois.													
American ..	6	3.3	1	86.40	259.75	361.45	693.20	589.96	643.11	3	53.51	3	153.69
Austrian ..	1	3.0	.....	52.00	149.26	114.50	315.76	375.00	375.00	1	59.24	.....	.....
Bohemian ..	2	4.5	2	.....	330.00	402.70	732.70	672.00	672.00	1	95.40	1	216.80
Canadian ..	1	9.0	.....	84.00	660.00	451.60	1,195.60	778.30	1,018.30	.....	.....	1	177.30
English ...	4	5.5	.....	87.00	365.90	380.35	833.25	763.84	806.09	1	.60	2	54.64
Fr. Canad'n	1	10.0	.....	108.00	545.13	367.20	1,020.33	780.45	1,020.45	1	.12	.....	.....
German ....	15	3.9	6	83.78	320.78	338.25	709.29	663.27	682.80	9	86.83	6	196.47
Irish .....	8	3.9	.....	96.00	384.57	298.76	779.33	643.63	770.13	3	124.95	5	89.68
Scotch .....	1	5.0	.....	96.00	340.25	283.90	725.15	1,003.75	1,003.75	1	278.60	.....	.....
Welsh .....	1	5.0	.....	84.00	229.13	334.85	647.98	700.00	700.00	1	52.02	.....	.....
Total..	40	4.3	9	87.94	337.35	337.91	743.41	666.87	723.69	21	85.85	18	143.98
New York.													
American ..	9	4.0	2	78.00	194.55	232.76	479.31	607.88	615.66	8	161.95	1	68.50
Austrian ..	2	5.5	.....	50.00	184.87	160.40	395.27	345.00	381.00	1	41.70	1	70.23
English ...	6	4.3	.....	58.83	217.51	241.18	517.52	487.79	525.79	2	119.17	4	47.20
Fr. Canad'n	1	8.0	.....	60.00	236.30	153.40	449.70	406.00	406.00	.....	.....	1	43.70
German ....	5	5.8	1	55.50	342.63	193.69	580.72	358.28	452.68	2	110.13	3	136.82
Hungarian ..	3	8.7	.....	60.00	205.87	184.13	450.00	328.33	549.33	3	99.33	.....	.....
Irish .....	25	5.0	2	50.52	260.19	243.40	550.07	490.93	552.23	15	55.58	10	77.91
Polish .....	1	6.0	.....	48.00	196.23	143.50	387.73	360.00	504.00	1	116.27	.....	.....
Scotch .....	3	7.3	.....	54.00	392.32	316.84	763.16	528.88	688.88	2	42.52	1	307.87
Welsh .....	1	3.0	.....	60.00	225.40	242.20	527.60	589.59	589.59	1	61.99	.....	.....
Total..	56	5.5	5	56.30	251.71	231.40	533.38	483.56	556.99	35	91.17	21	88.98
Ohio.													
American ..	23	4.9	13	80.40	263.02	271.46	569.44	580.99	650.65	15	151.29	8	50.21
Bohemian ..	9	4.7	2	56.57	212.52	207.77	464.29	443.49	492.38	7	47.34	2	39.28
English ...	3	4.3	.....	68.00	241.81	202.49	512.30	500.53	500.53	1	98.52	2	66.92
German ....	46	5.2	37	73.33	209.76	265.89	490.00	518.47	574.95	34	127.24	12	34.88
Irish .....	15	5.5	10	69.60	267.66	274.03	564.90	536.22	610.75	12	78.04	3	82.89
Scotch .....	1	10.0	.....	60.00	287.70	234.30	582.00	454.05	454.05	.....	.....	1	127.95
Swedish ....	1	6.0	.....	60.00	257.43	261.63	579.06	505.40	505.40	.....	.....	1	73.66
Total..	98	5.2	62	70.33	233.64	260.80	520.28	527.64	586.39	69	115.39	29	51.13
Pennsylvania.													
American ..	201	5.1	50	64.40	247.54	256.74	552.65	528.91	610.48	154	89.35	46	46.42
English ...	21	5.7	8	57.08	239.84	311.84	587.01	470.71	608.47	13	63.86	8	55.57
German ....	15	5.7	8	98.33	235.45	272.93	537.71	558.19	639.52	12	141.61	3	57.37
Irish .....	71	5.7	26	60.09	288.23	310.98	637.29	503.62	677.22	46	93.91	25	59.41
Italian .....	1	4.0	.....	72.00	212.95	140.50	425.45	509.00	509.00	1	83.55	.....	.....
Scotch .....	4	4.5	.....	53.50	259.14	231.80	544.44	494.90	534.65	3	21.45	1	103.51
Total..	313	5.3	92	63.85	255.23	272.82	572.93	520.65	625.59	229	90.93	83	52.30



TABLE XX.—**PIG IRON**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE—Concluded.**

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Aver. age size.		Rent.	Food.	Other purposes.	All purposes.	Hus. band.	All sources.	Surplus.		Deficit.	
										Fam. ilies.	Aver. age.	Fam. ilies.	Aver. age.
<i>Tennessee.</i>													
American ..	49	4.4	2	\$60.78	\$202.10	\$215.82	\$474.97	\$490.24	\$532.03	37	\$90.79	12	\$46.95
Irish .....	2	9.0	.....	78.00	336.85	315.75	730.60	753.80	903.80	2	173.20	.....	.....
Total..	51	4.6	2	61.50	207.38	219.74	485.00	500.57	546.61	39	95.02	12	46.95
<i>Virginia.</i>													
American ..	27	5.9	10	71.78	182.25	222.94	447.73	357.81	450.29	10	69.99	17	37.10
Total..	27	5.9	10	71.78	182.25	222.94	447.73	357.81	450.29	10	69.99	17	37.10
<i>W. Virginia</i>													
American ..	4	4.0	1	78.00	208.20	283.88	550.58	665.70	811.95	4	261.37	.....	.....
German ...	3	6.3	.....	56.00	234.52	179.06	469.58	583.08	607.08	3	137.50	.....	.....
Irish .....	1	6.0	1	.....	181.61	378.20	559.81	433.00	433.00	.....	.....	1	126.81
Scotch .....	1	7.0	.....	80.00	262.74	352.43	695.17	768.00	768.00	1	72.83	.....	.....
Total..	9	5.3	2	68.86	220.08	267.04	540.67	623.67	696.67	8	191.35	1	126.81
<i>Belgium.</i>													
Belgian ...	11	5.8	.....	31.72	169.79	171.00	372.51	203.41	374.53	6	22.24	5	22.24
Total..	11	5.8	.....	31.72	169.79	171.00	372.51	203.41	374.53	6	22.24	5	22.24
<i>Gt. Britain.</i>													
English ...	21	4.3	.....	40.12	171.67	214.76	426.55	417.49	444.97	10	38.68	.....	.....
Irish .....	6	5.0	.....	39.80	216.11	178.95	434.86	390.62	451.45	4	24.90	.....	.....
Scotch .....	21	5.3	.....	46.81	302.24	146.80	495.85	380.98	517.01	8	55.91	.....	2.87
Welsh .....	17	4.9	.....	29.49	188.04	153.97	371.50	309.39	399.13	8	59.61	.....	7.07
Total..	65	4.9	.....	39.47	222.24	173.60	435.31	374.94	456.86	30	47.02	2	4.97

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>Alabama.</i>								
American.....	132	4.3	4	\$15.47	\$44.73	\$60.36	\$119.64	\$124.28
Canadian.....	1	6.0	.....	12.00	41.53	62.25	115.78	125.00
English.....	3	5.0	2	13.33	41.28	49.27	98.54	176.03
German.....	3	4.3	1	63.00	41.33	50.71	116.27	145.52
Irish.....	2	3.5	.....	21.86	49.56	50.37	121.79	152.85
Scotch.....	1	2.0	.....	48.00	85.77	77.50	211.27	360.00
Welsh.....	1	5.0	.....	12.00	43.15	41.50	96.65	165.00
Total.....	143	4.3	7	15.97	44.71	59.50	119.15	127.41
<i>Georgia.</i>								
American.....	25	5.6	.....	7.19	29.32	42.22	78.73	88.48
Total.....	25	5.6	.....	7.19	29.32	42.22	78.73	88.48
<i>Illinois.</i>								
American.....	6	3.3	1	28.80	77.93	108.43	207.96	192.93
Austrian.....	1	3.0	.....	17.33	49.75	38.17	105.25	125.00
Bohemian.....	2	4.5	2	.....	73.33	89.49	162.82	149.33
Canadian.....	1	9.0	.....	9.33	73.33	50.18	132.84	113.14
English.....	4	5.5	.....	15.82	66.53	69.16	151.51	146.56
French Canadian.....	1	10.0	.....	10.80	54.51	36.72	102.03	102.05
German.....	15	3.9	6	24.32	82.96	87.48	183.44	176.59
Irish.....	8	3.9	.....	24.77	99.24	77.10	201.11	198.74
Scotch.....	1	5.0	.....	19.20	68.05	57.78	145.03	200.75
Welsh.....	1	5.0	.....	16.80	45.83	66.97	129.60	140.00
Total.....	40	4.3	9	20.81	78.45	78.58	172.89	168.30
<i>New York.</i>								
American.....	9	4.0	2	21.27	48.64	58.19	119.83	153.91
Austrian.....	2	5.5	.....	9.09	33.61	29.16	71.86	69.27
English.....	6	4.3	.....	13.58	50.20	55.66	119.44	121.34
French Canadian.....	1	8.0	.....	7.50	29.54	19.18	56.22	50.75
German.....	5	5.8	1	17.08	59.07	33.39	100.12	93.57
Hungarian.....	3	8.7	.....	6.92	23.75	21.25	51.92	63.38
Irish.....	25	5.6	2	9.30	46.13	43.16	97.53	97.92
Polish.....	1	6.0	.....	8.00	32.71	23.92	64.63	84.00
Scotch.....	3	7.3	.....	7.36	53.50	43.21	104.07	93.94
Welsh.....	1	3.0	.....	20.00	75.13	80.73	175.86	196.53
Total.....	56	5.5	5	10.74	45.77	42.07	96.98	101.27
<i>Ohio.</i>								
American.....	23	4.9	13	16.75	54.01	55.75	116.94	133.61
Bohemian.....	9	4.7	2	13.66	45.54	44.52	99.49	105.51
English.....	3	4.3	.....	15.69	55.80	46.73	118.22	115.51
German.....	46	5.2	37	14.04	40.37	51.18	94.31	110.66
Irish.....	15	5.5	10	14.50	48.37	49.52	102.09	110.38
Scotch.....	1	10.0	.....	6.00	28.77	23.43	58.20	45.41
Swedish.....	1	6.0	.....	10.00	42.91	43.61	96.52	84.23
Total.....	98	5.2	62	14.31	45.34	50.61	100.96	113.79
<i>Pennsylvania.</i>								
American.....	201	5.1	50	12.80	48.88	50.69	109.12	120.54
English.....	21	5.7	8	11.24	41.97	54.57	102.73	106.48
German.....	15	5.7	8	14.39	39.32	47.60	93.79	111.54
Irish.....	71	5.7	26	11.71	50.16	54.12	110.90	117.85
Italian.....	1	4.0	.....	18.00	53.24	35.13	106.37	127.25
Scotch.....	4	4.5	.....	11.89	57.59	51.51	120.99	118.81
Total.....	313	5.3	92	12.54	48.30	51.63	*108.42	118.38

TABLE XX.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Concluded.**G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE—**  
Concluded.

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>Tennessee.</i>								
American.....	49	4.4	2	\$13. 51	\$45. 85	\$48. 96	\$107. 75	\$120. 69
Irish.....	2	9.0	.....	8. 67	37. 43	35. 08	81. 18	100. 42
Total .....	51	4.6	2	13. 12	45. 20	47. 89	105. 71	119. 13
<i>Virginia.</i>								
American.....	27	5.9	10	11. 96	30. 75	37. 62	75. 55	75. 99
Total .....	27	5.9	10	11. 96	30. 75	37. 62	75. 55	75. 99
<i>West Virginia.</i>								
American.....	4	4.0	1	18. 00	52. 05	70. 97	137. 64	202. 99
German.....	3	6.3	.....	8. 84	37. 03	28. 27	74. 14	95. 86
Irish.....	1	6.0	1	.....	30. 27	63. 03	93. 30	72. 17
Scotch.....	1	7.0	.....	11. 43	37. 53	50. 35	99. 31	109. 71
Total .....	9	5.3	2	12. 38	41. 26	50. 07	101. 38	130. 63
<i>Belgium.</i>								
Belgian.....	11	5.8	.....	5. 45	29. 18	29. 39	64. 02	64. 37
Total .....	11	5.8	.....	5. 45	29. 18	29. 39	64. 02	64. 37
<i>Great Britain.</i>								
English.....	21	4.3	.....	9. 26	39. 62	49. 56	98. 44	102. 69
Irish.....	6	5.0	.....	7. 96	43. 22	35. 79	86. 97	90. 29
Scotch.....	21	5.3	.....	8. 78	56. 67	27. 52	92. 97	96. 94
Welsh.....	17	4.9	.....	6. 04	38. 51	31. 54	76. 09	81. 75
Total .....	65	4.9	.....	8. 12	45. 71	35. 71	89. 54	93. 97



TABLE XX.—BAR IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES.

## A.—SUMMARY OF CONDITION AS TO CHILDREN.

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
Alabama.														
American...	4	6	1.5	13	23	1.8	21	36	1.7	5	70	2.7	2	28
English.....	.....	.....	.....	1	2	2.0	2	5	2.5	1	8	4.0	.....	2
German.....	.....	.....	.....	1	1	1.0	1	1	1.0	.....	2	2.0	1	2
Irish.....	.....	.....	.....	4	9	2.3	5	10	2.0	4	23	3.8	.....	6
Welsh.....	1	1	1.0	.....	.....	.....	1	5	5.0	.....	6	6.0	.....	1
Total...	5	7	1.4	19	35	1.8	30	57	1.9	10	109	3.0	3	39
Illinois.														
American...	1	1	1.0	2	3	1.5	9	15	1.7	9	28	2.5	3	14
Austrian.....	.....	.....	.....	1	3	3.0	1	2	2.0	.....	5	5.0	.....	1
Canadian.....	.....	.....	.....	.....	.....	.....	1	1	1.0	.....	1	1.0	1	2
English.....	4	7	1.8	3	10	3.3	7	9	1.3	14	40	4.0	2	12
French.....	.....	.....	.....	.....	.....	.....	1	3	3.0	2	5	5.0	1	2
German.....	1	1	1.0	4	7	1.8	4	8	2.0	13	29	2.6	1	12
Irish.....	1	1	1.0	1	3	3.0	4	7	1.8	4	15	3.0	.....	5
Scotch.....	.....	.....	.....	1	1	1.0	2	4	2.0	.....	5	2.5	.....	2
Swedish.....	.....	.....	.....	.....	.....	.....	1	1	1.0	2	3	3.0	.....	1
Welsh.....	4	5	1.3	6	18	3.0	10	15	1.5	15	53	3.8	3	17
Total...	11	15	1.4	18	45	2.5	40	65	1.6	59	184	3.2	11	68
New York.														
American...	1	1	1.0	1	1	1.0	1	1	1.0	1	4	2.0	2	4
English.....	10	25	2.5	7	16	2.3	14	23	1.6	8	72	4.2	1	18
French.....	1	1	1.0	1	2	2.0	1	2	2.0	.....	5	5.0	.....	1
Irish.....	9	25	2.8	5	13	2.6	10	18	1.8	8	64	5.3	.....	12
Scotch.....	1	2	2.0	1	1	1.0	2	5	2.5	1	9	2.3	1	5
Swedish.....	1	1	1.0	1	1	1.0	1	2	2.0	1	5	5.0	.....	1
Total...	23	55	2.4	16	34	2.1	29	51	1.8	19	159	4.3	4	41
Ohio.														
American...	9	11	1.2	37	80	2.2	49	83	1.7	1	175	3.0	12	71
English.....	.....	.....	.....	5	16	3.2	6	9	1.5	.....	25	3.1	3	11
French.....	.....	.....	.....	2	5	2.5	2	5	2.5	.....	10	5.0	1	3
German.....	3	3	1.0	9	26	2.9	15	27	1.8	2	58	3.4	.....	17
Irish.....	2	3	1.5	9	19	2.1	12	22	1.8	1	45	2.8	1	17
Scotch.....	.....	.....	.....	1	2	2.0	1	3	3.0	.....	5	5.0	.....	1
Welsh.....	4	4	1.0	10	31	3.1	12	18	1.5	.....	53	2.9	2	20
Total...	18	21	1.2	73	179	2.5	97	167	1.7	4	371	3.1	19	140
Pennsylvania.														
American...	11	12	1.1	79	141	1.8	102	157	1.5	7	317	2.6	22	142
English.....	3	3	1.0	11	22	2.0	14	23	1.6	1	49	2.6	5	24
Fr. Canadian.....	.....	.....	.....	1	1	1.0	1	1	1.0	.....	2	2.0	.....	1
German.....	2	2	1.0	19	41	2.2	18	28	1.6	2	73	3.0	8	32
Irish.....	12	20	1.7	27	67	2.5	30	54	1.8	2	143	3.5	19	60
Italian.....	.....	.....	.....	2	4	2.0	1	1	1.0	.....	5	2.5	.....	2
Polish.....	1	2	2.0	1	1	1.0	2	4	2.0	.....	7	2.3	.....	3
Scotch.....	.....	.....	.....	1	1	1.0	1	2	2.0	1	4	2.0	.....	2
Swedish.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	1
Welsh.....	2	2	1.0	5	12	2.4	7	17	2.4	1	32	4.0	2	10
Total...	31	41	1.3	146	290	2.0	176	287	1.6	14	632	2.9	57	277
Tennessee.														
American...	1	1	1.0	5	8	1.6	9	19	2.1	.....	28	2.8	7	17
Total...	1	1	1.0	5	8	1.6	9	19	2.1	.....	28	2.8	7	17

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**A.—SUMMARY OF CONDITION AS TO CHILDREN—Concluded.**

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>Virginia.</i>														
American...	6	10	1.7	16	32	2.0	21	38	1.8	14	94	3.6	4	30
English.....	2	4	2.0	3	3	1.0	3	5	1.7	-----	12	4.0	-----	3
Irish.....	1	2	2.0	1	2	2.0	-----	-----	-----	1	5	2.5	-----	2
Total ...	9	16	1.8	20	37	1.9	24	43	1.8	15	111	3.6	4	35
<i>W. Virginia.</i>														
American...	1	2	2.0	2	3	1.5	2	4	2.0	-----	9	3.0	-----	3
German.....	-----	-----	-----	1	3	3.0	2	3	1.5	-----	6	3.0	-----	2
Irish.....	-----	-----	-----	-----	-----	-----	1	1	1.0	-----	1	1.0	-----	1
Total ...	1	2	2.0	3	6	2.0	5	8	1.6	-----	16	2.7	-----	6
<i>Belgium.</i>														
Belgian.....	37	82	2.2	34	70	2.1	44	66	1.5	20	247	3.5	5	75
Total ...	37	82	2.2	34	70	2.1	44	66	1.5	29	247	3.5	5	75
<i>France.</i>														
Belgian.....	8	18	2.3	2	7	3.5	8	14	1.8	27	66	3.9	1	18
French.....	11	20	1.8	-----	-----	-----	10	18	1.8	31	69	3.6	3	22
Total ...	19	38	2.0	2	7	3.5	18	32	1.8	58	135	3.8	4	40
<i>Germany.</i>														
German.....	1	2	2.0	2	10	5.0	5	8	1.6	10	30	2.3	-----	9
Polish.....	2	3	1.5	4	13	3.3	13	26	2.0	11	53	4.1	-----	13
Total ...	3	5	1.7	6	23	3.8	18	34	1.9	21	83	3.8	-----	22
<i>Gt. Britain.</i>														
English.....	29	40	1.4	56	145	2.6	49	66	1.3	5	256	3.3	14	91
Irish.....	2	2	1.0	6	9	1.5	9	13	1.4	-----	24	2.0	2	14
Scotch.....	5	10	2.0	4	10	2.5	3	4	1.3	-----	24	4.8	-----	5
Welsh.....	1	4	4.0	2	4	2.0	2	2	1.0	2	12	4.0	1	4
Total ...	37	56	1.5	68	168	2.5	63	85	1.3	7	316	3.3	17	114

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**B.—SUMMARY OF SOURCES OF INCOME.**

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Hns. bands	Wives.	Children.	Boarders.	Hns. bands.	Wives.	Children.	Boarders.	Average.	
<i>Alabama.</i>												
American..	28	5.0	28	.....	4	a 9	\$713.20	.....	\$212.50	a \$198.33	\$807.31	\$160.32
English....	2	6.5	2	.....	.....	.....	725.50	.....	.....	.....	725.50	111.62
German....	2	4.5	2	.....	.....	2	598.00	.....	.....	260.00	858.00	190.67
Irish.....	6	5.8	6	.....	.....	b 1	1,113.50	.....	.....	b 364.00	1,174.17	201.29
Welsh.....	1	9.0	1	.....	1	1	612.00	.....	180.00	144.00	936.00	104.00
Total..	39	5.3	39	.....	5	13	766.92	.....	206.00	216.38	865.45	163.06
<i>Illinois.</i>												
American..	14	4.2	14	.....	1	c 4	686.57	.....	400.00	c 103.38	744.68	176.70
Austrian..	1	7.0	1	.....	.....	.....	581.50	.....	.....	.....	581.50	83.07
Canadian..	2	2.5	2	.....	.....	.....	869.00	.....	.....	.....	869.00	347.60
English....	12	5.6	12	.....	3	d 6	805.30	.....	138.33	d 71.00	875.39	156.79
French....	2	4.5	2	.....	.....	.....	825.00	.....	.....	.....	825.00	183.33
German....	12	5.0	12	.....	1	2	510.99	.....	150.00	561.00	616.99	123.40
Irish.....	5	5.0	5	.....	1	b 1	795.00	.....	50.00	b 25.00	810.00	162.00
Scotch....	2	4.5	2	.....	.....	.....	881.38	.....	.....	.....	881.38	195.86
Swedish...	1	5.0	1	.....	.....	.....	525.00	.....	.....	.....	525.00	105.00
Welsh.....	17	5.2	17	.....	4	b 3	978.01	.....	347.50	b 329.33	1,117.90	215.96
Total..	68	4.9	68	.....	10	16	768.62	.....	240.50	185.91	847.73	172.59
<i>New York.</i>												
American..	4	3.0	4	.....	1	b 1	736.50	.....	150.00	b 15.00	777.75	259.25
English....	18	6.4	18	1	10	e 8	401.90	\$150.00	348.38	e 80.13	639.39	99.22
French....	1	7.0	1	.....	1	.....	450.00	.....	180.00	.....	630.00	90.00
Irish.....	12	7.9	12	.....	9	f 6	360.14	.....	515.67	f 149.67	821.73	103.80
Scotch....	5	3.8	5	.....	.....	.....	482.00	.....	288.00	.....	539.60	142.00
Swedish...	1	8.0	1	.....	1	.....	300.00	.....	130.00	.....	430.00	53.75
Total..	41	6.3	41	1	23	15	430.78	150.00	385.77	103.60	688.75	109.88
<i>Ohio.</i>												
American..	71	4.6	71	2	9	g 10	752.51	145.00	249.00	g 214.50	818.37	179.33
English....	11	4.7	11	.....	.....	h 4	1,023.50	.....	.....	h 249.13	1,114.09	235.67
French....	3	5.3	3	.....	.....	.....	459.88	.....	.....	.....	459.88	86.23
German....	17	5.5	17	.....	3	i 3	918.42	.....	243.00	i 217.00	999.60	180.78
Irish.....	17	5.0	17	.....	2	j 6	1,012.95	.....	370.50	j 263.33	1,149.43	229.90
Scotch....	1	7.0	1	.....	.....	.....	1,200.00	.....	.....	.....	1,200.00	171.43
Welsh.....	20	4.8	20	.....	4	k 6	921.66	.....	225.88	k 81.43	991.27	208.69
Total..	140	4.8	140	2	18	29	816.66	145.00	256.36	202.11	923.56	192.12
<i>Pennsylvania.</i>												
American..	142	4.4	142	.....	11	l 12	672.69	.....	295.91	l 182.96	711.07	162.07
English....	24	4.2	24	.....	3	.....	717.83	.....	311.67	.....	756.79	179.83
Fr. Canad'n	1	4.0	1	.....	.....	.....	707.00	.....	.....	.....	707.00	176.75
German....	32	4.5	32	.....	2	m 5	654.54	.....	356.20	m 123.60	696.12	153.63
Irish.....	60	4.6	60	.....	12	n 7	645.69	.....	550.98	n 219.36	781.48	168.66
Italian....	2	4.5	2	1	.....	.....	386.40	150.00	.....	.....	461.40	102.53
Polish....	3	4.3	3	1	1	.....	414.17	100.00	110.00	.....	514.17	118.65
Scotch....	2	4.5	2	.....	.....	.....	1,380.00	.....	.....	.....	1,380.00	306.67
Swedish...	1	2.0	1	.....	.....	.....	390.00	.....	.....	.....	390.00	195.00
Welsh.....	10	5.2	10	.....	2	b 1	685.63	.....	153.00	b 43.00	721.03	138.66
Total..	277	4.5	277	2	31	25	668.79	125.00	381.84	175.88	728.63	163.29

a Including six families with an average income of \$13.50 from sources not presented.

b Income from sources not presented.

c Including two families with an average income of \$57.50 from sources not presented.

d Including four families with an average income of \$69 from sources not presented.

e Including four families with an average income of \$22.25 from sources not presented.

f Including two families with an average income of \$21 from sources not presented.

g Including seven families with an average income of \$178.71 from sources not presented.

h Including one family with an average income of \$156 from sources not presented.

i Including two families with an average income of \$89.50 from sources not presented.

j Including four families with an average income of \$247 from sources not presented.

k Including five families with an average income of \$39.62 from sources not presented.

l Including three families with an average income of \$194.33 from sources not presented.

m Including two families with an average income of \$75 from sources not presented.

n Including three families with an average income of \$78.67 from sources not presented.



TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**B.—SUMMARY OF SOURCES OF INCOME—Concluded.**

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands	Wives.	Children.	Boarders.	Husbands.	Wives.	Children.	Boarders.	Average.	
<i>Tennessee.</i>												
American..	17	4.6	17	.....	1	a 7	\$441.62	.....	\$40.00	a \$157.64	\$508.88	\$110.91
Total..	17	4.6	17	.....	1	7	441.62	.....	40.00	157.64	508.88	110.91
<i>Virginia.</i>												
American..	30	5.8	30	5	6	b 11	561.44	\$146.00	172.00	b 180.52	686.36	118.34
English....	3	6.0	3	.....	2	c 1	511.62	.....	226.50	c 60.00	682.62	113.77
Irish.....	2	5.0	2	.....	1	c 1	403.26	.....	180.00	c 115.00	550.76	110.15
Total..	35	5.8	35	5	9	13	548.13	146.00	185.00	166.21	678.29	117.53
<i>W. Virginia.</i>												
American..	3	5.7	3	.....	1	.....	840.67	.....	500.00	.....	1,007.33	177.76
German ...	2	5.5	2	.....	.....	.....	967.00	.....	.....	.....	967.00	175.82
Irish.....	1	3.0	1	.....	.....	.....	388.75	.....	.....	.....	388.75	129.58
Total..	6	5.2	6	.....	1	.....	807.46	.....	500.00	.....	890.79	172.41
<i>Belgium.</i>												
Belgian....	75	5.5	75	2	37	d 14	213.51	173.70	259.93	d 69.62	359.37	65.26
Total..	75	5.5	75	2	37	14	213.51	173.70	259.93	69.62	359.37	65.26
<i>France.</i>												
Belgian ...	18	5.7	18	.....	8	e 6	361.05	.....	301.85	e 27.99	504.53	89.04
French.....	22	5.0	22	.....	11	c 7	307.55	.....	213.83	c 55.69	432.18	85.66
Total..	40	5.3	40	.....	19	13	331.62	.....	250.89	42.91	464.74	87.27
<i>Germany.</i>												
German ...	9	5.6	9	.....	1	e 5	234.11	.....	77.11	e 97.33	296.75	53.42
Polish.....	13	6.2	13	.....	2	c 5	230.71	.....	92.82	c 18.56	272.13	43.67
Total..	22	6.0	22	.....	3	10	243.92	.....	87.58	57.95	282.20	47.39
<i>Gt. Britain.</i>												
English....	91	4.9	91	.....	23	f 7	463.10	.....	186.22	f 122.88	531.89	109.51
Irish.....	14	3.8	14	.....	2	1	324.94	.....	132.85	113.88	352.06	93.00
Scotch.....	5	6.6	5	.....	5	c 1	481.79	.....	360.12	c 34.07	818.72	128.59
Welsh.....	4	5.0	4	.....	1	c 2	230.21	.....	632.64	c 63.27	426.01	85.20
Total..	114	4.8	114	.....	37	11	438.99	.....	218.40	103.15	519.99	108.17

a Including one family with an income of \$60 from sources not presented.

b Including nine families with an average income of \$149.52 from sources not presented.

c Income from sources not presented.

d Including eleven families with an average income of \$61.76 from sources not presented.

e Including four families with an average income of \$78.83 from sources not presented.

f Including three families with an average income of \$50.53 from sources not presented.

TABLE XX.—**BALE IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## C.—SUMMARY OF EXPENDITURE FOR RENT.

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>Alabama.</i>								
American.....	28	5.0	1	27	3.1		\$113.67	\$22.40
English.....	2	6.5		2	3.0		96.00	14.77
German.....	2	4.5		2	3.0		75.00	16.67
Irish.....	6	5.8		6	4.0		160.00	27.43
Welsh.....	1	9.0		1	3.0		120.00	13.33
Total.....	39	5.3	1	38	3.2		118.18	22.12
<i>Illinois.</i>								
American.....	14	4.2		13	4.0	1	83.57	19.83
Austrian.....	1	7.0		1	3.0		60.00	8.57
Canadian.....	2	2.5		2	5.0		108.00	43.20
English.....	12	5.6	1	11	5.6		99.82	17.16
French.....	2	4.5		2	4.5		90.00	20.00
German.....	12	5.0	5	7	3.9		58.29	12.36
Irish.....	5	5.0	1	4	4.3		78.00	17.33
Scotch.....	2	4.5	1	1	4.0		72.00	14.40
Swedish.....	1	5.0		1	4.0		84.00	16.80
Welsh.....	17	5.2	4	13	5.1		110.31	21.40
Total.....	68	4.9	12	55	4.6	1	89.89	18.51
<i>New York.</i>								
American.....	4	3.0	1	3	5.0		137.33	41.20
English.....	18	6.4		18	5.4		96.61	14.99
French.....	1	7.0		1	4.0		84.00	12.00
Irish.....	12	7.9		12	5.3		82.96	10.48
Scotch.....	5	3.8		5	5.8		109.20	28.74
Swedish.....	1	8.0		1	5.0		52.00	6.50
Total.....	41	6.3	1	40	5.4		95.71	15.01
<i>Ohio.</i>								
American.....	71	4.6	30	13	5.1	28	87.17	18.61
English.....	11	4.7	3	6	4.7	2	88.57	16.32
French.....	3	5.3	2	1	5.0		84.00	42.00
German.....	17	5.5	8	8	5.0	1	97.78	23.16
Irish.....	17	5.0	5	10	4.7	2	106.00	19.57
Scotch.....	1	7.0	1					
Welsh.....	20	4.8	5	1	13.0	14	108.67	24.33
Total.....	140	4.8	54	39	5.1	47	94.82	20.05
<i>Pennsylvania.</i>								
American.....	142	4.4	10	122	5.8	10	122.87	23.11
English.....	24	4.2	6	16	5.3	2	118.78	28.51
French Canadian.....	1	4.0		1	5.0		144.00	36.00
German.....	32	4.5	1	29	5.7	2	122.28	29.38
Irish.....	60	4.6	10	43	5.2	7	111.83	25.53
Italian.....	2	4.5		2	4.0		72.00	16.00
Polish.....	3	4.3	1	2	4.0		82.00	20.50
Scotch.....	2	4.5	1	1	7.0		120.00	30.00
Swedish.....	1	2.0		1	4.0		73.00	36.50
Welsh.....	10	5.2	2	8	4.1		85.88	16.36
Total.....	277	4.5	31	225	5.6	21	118.17	27.19
<i>Tennessee.</i>								
American.....	17	4.6		17	2.8		89.47	19.50
Total.....	17	4.6		17	2.8		89.47	19.50

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**C.—SUMMARY OF EXPENDITURE FOR RENT—Concluded.**

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>Virginia.</i>								
American.....	30	5.8	10	19	3.9	1	\$91.43	\$17.09
English.....	3	6.0	.....	3	4.3	.....	112.00	18.67
Irish.....	2	5.0	1	1	6.0	.....	120.00	30.00
Total .....	35	5.8	11	23	4.1	1	95.19	17.71
<i>West Virginia.</i>								
American.....	3	5.7	.....	3	6.0	.....	96.00	16.94
German .....	2	5.5	1	1	6.0	.....	160.00	40.00
Irish.....	1	3.0	1	.....	.....	.....	.....	.....
Total .....	6	5.2	2	4	6.0	.....	112.00	21.33
<i>Belgium.</i>								
Belgian.....	75	5.5	5	62	3.5	8	34.37	6.15
Total .....	75	5.5	5	62	3.5	8	34.37	6.15
<i>France.</i>								
Belgian.....	18	5.7	.....	.....	.....	18	32.60	5.75
French .....	22	5.0	.....	3	4.0	19	29.65	5.88
Total .....	40	5.3	.....	3	4.0	37	30.98	5.82
<i>Germany.</i>								
German .....	9	5.6	1	7	1.9	1	20.61	4.01
Polish .....	13	6.2	.....	12	2.0	1	15.67	2.58
Total .....	22	6.0	1	19	1.9	2	17.49	3.05
<i>Great Britain.</i>								
English.....	91	4.9	.....	89	4.2	2	55.32	11.39
Irish .....	14	3.8	.....	14	3.4	.....	46.36	12.25
Scotch.....	5	6.6	.....	4	4.3	1	51.58	7.82
Welsh.....	4	5.0	.....	4	5.5	.....	32.91	6.58
Total .....	114	4.8	.....	111	4.2	3	53.27	11.08



TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)**

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	28	5.0	27	\$25.92	28	\$21.66	23	\$11.07	18	\$8.39	6	\$3.47	23	\$6.31
English.....	2	6.5	2	31.50	2	34.50	2	18.00			1	2.25	2	6.50
German.....	2	4.5	2	40.00	2	24.25	2	20.00	1	5.00			2	5.00
Irish.....	6	5.8	6	34.33	6	24.56	4	17.75	2	10.00	1	3.75	5	9.25
Welsh.....	1	9.0	1	50.00	1	38.00	1	20.00					1	6.00
Total ...	39	5.3	38	28.92	39	23.31	32	13.17	21	8.38	8	3.25	33	6.68
<i>Illinois.</i>														
American...	14	4.2					10	79.20					4	6.72
Austrian.....	1	7.0												
Canadian.....	2	2.5					2	92.00						
English.....	12	5.6					8	93.84			1	14.40	3	10.77
French.....	2	4.5					2	84.50					2	13.09
German.....	12	5.0					5	79.20					2	6.75
Irish.....	5	5.0					4	102.73					1	6.00
Scotch.....	2	4.5					1	182.00						
Swedish.....	1	5.0					1	90.00						
Welsh.....	17	5.2			1	24.00	9	145.67					5	15.74
Total ...	68	4.9			1	24.00	42	102.03			1	14.40	17	10.80
<i>New York.</i>														
American...	4	3.0	4	46.25	3	10.83	4	21.25			4	5.80	3	12.33
English.....	18	6.4	18	50.11	14	13.17	18	24.44			12	3.25	11	11.64
French.....	1	7.0	1	20.00	1	50.00					1	3.00	1	10.40
Irish.....	12	7.9	12	73.58	9	20.99	9	34.44			6	4.18	10	16.30
Scotch.....	5	3.8	5	42.00	2	12.00	5	24.00			5	3.64	3	9.53
Swedish.....	1	8.0	1	40.00	1	13.00	1	20.00						
Total ...	41	6.3	41	54.63	30	16.43	37	26.35			28	3.88	28	13.11
<i>Ohio.</i>														
American...	71	4.6	11	60.35	32	12.96	61	73.94			39	5.65	54	13.58
English.....	11	4.7			2	11.65	11	93.06			7	7.06	8	10.32
French.....	3	5.3			2	13.05	3	46.83			2	4.23	3	18.83
German.....	17	5.5			1	24.50	17	85.79			14	8.92	14	9.78
Irish.....	17	5.0	2	59.00	5	8.90	16	89.13			14	7.02	11	12.31
Scotch.....	1	7.0					1	150.00					1	25.00
Welsh.....	20	4.8	7	70.99	12	12.91	13	83.88			12	4.50	12	17.24
Total ...	140	4.8	20	63.94	54	12.75	122	80.33			88	6.31	103	13.37
<i>Pennsylvania.</i>														
American...	142	4.4			5	24.70	142	74.86	4	10.30	131	12.76	135	8.52
English.....	24	4.2					24	86.81			20	13.00	21	9.71
Fr. Canadian	1	4.0					1	98.40			1	24.00	1	14.85
German.....	32	4.5			3	25.15	32	76.07	1	1.40	32	12.17	31	9.04
Irish.....	60	4.6			14	36.79	60	81.56	9	7.20	52	11.61	54	10.19
Italian.....	2	4.5					2	62.40			2	9.58	2	7.29
Polish.....	3	4.3					3	68.53			2	10.20	2	8.46
Scotch.....	2	4.5					2	73.67			1	13.80	1	6.00
Swedish.....	1	2.0					1	42.80			1	10.80	1	11.44
Welsh.....	10	5.2			5	13.20	10	73.69	4	2.64	5	15.12	9	6.93
Total ...	277	4.5			27	28.89	277	77.25	18	6.55	247	12.50	257	8.99
<i>Tennessee.</i>														
American...	17	4.6	15	19.53	17	27.82	11	20.45	14	14.86	2	1.50	13	2.86
Total ...	17	4.6	15	19.53	17	27.82	11	20.45	14	14.86	2	1.50	13	2.86

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)—Concluded.**

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Virginia.</i>														
American...	30	5.8	3	\$21.33	21	\$27.47	28	\$64.01	17	\$13.94	12	\$11.30	24	\$11.00
English.....	3	6.0	.....	.....	3	28.85	3	34.23	.....	.....	2	8.00	3	9.35
Irish.....	2	5.0	1	23.10	2	23.65	1	44.00	1	7.20	.....	.....	2	16.00
Total...	35	5.8	4	21.78	26	27.33	32	60.59	18	13.56	14	10.83	29	11.17
<i>W. Virginia.</i>														
American...	3	5.7	.....	.....	.....	.....	3	72.33	.....	.....	1	5.40	3	15.96
German.....	2	5.5	.....	.....	.....	.....	2	120.00	.....	.....	1	1.70	2	19.66
Irish.....	1	3.0	.....	.....	.....	.....	1	45.00	.....	.....	.....	.....	1	15.60
Total...	6	5.2	.....	.....	.....	.....	6	83.67	.....	.....	2	3.55	6	17.14
<i>Belgium.</i>														
Belgian.....	75	5.5	18	26.33	.....	.....	53	30.26	.....	.....	.....	.....	51	9.04
Total...	75	5.5	18	26.33	.....	.....	53	30.26	.....	.....	.....	.....	51	9.04
<i>France.</i>														
Belgian.....	18	5.7	.....	.....	.....	.....	18	52.61	.....	.....	.....	.....	12	5.32
French.....	22	5.0	.....	.....	2	5.80	22	44.86	.....	.....	2	3.94	3	8.56
Total...	40	5.3	.....	.....	2	5.80	40	48.35	.....	.....	2	3.94	15	5.97
<i>Germany.</i>														
German.....	9	5.6	4	20.33	6	20.94	4	32.82	1	.74	3	2.87	3	4.08
Polish.....	13	6.2	4	28.32	5	23.55	4	27.94	1	3.71	4	2.48	3	4.98
Total...	22	6.0	8	24.32	11	22.13	8	30.38	2	2.23	7	2.65	6	4.53
<i>Gt. Britain.</i>														
English.....	91	4.9	.....	.....	76	17.69	90	61.15	.....	.....	48	12.39	61	7.99
Irish.....	14	3.8	.....	.....	9	14.06	13	59.86	.....	.....	8	11.07	10	6.52
Scotch.....	5	6.6	.....	.....	5	21.51	5	113.88	.....	.....	4	12.65	5	22.78
Welsh.....	4	5.0	.....	.....	.....	.....	3	60.10	.....	.....	.....	.....	1	12.65
Total...	114	4.8	.....	.....	90	17.54	111	63.35	.....	.....	60	12.23	77	8.82

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)**

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American ..	28	5.0	8	\$15.63	26	\$17.51	6	\$3.03	19	\$5.89	26	\$16.54	27	\$22.38
English.....	2	6.5	1	20.00	2	20.75	1	5.00	2	13.00	2	3.30	2	21.75
German .....	2	4.5	.....	.....	2	13.25	1	10.00	1	1.20	2	12.25	1	23.40
Irish .....	6	5.8	2	12.50	6	25.17	3	2.93	5	8.52	6	16.58	6	23.07
Welsh .....	1	9.0	.....	.....	1	40.00	.....	.....	1	14.40	1	22.50	1	40.00
Total ...	39	5.3	11	15.45	37	19.30	11	3.82	28	7.01	37	15.76	37	22.96
<i>Illinois.</i>														
American...	14	4.2	10	10.94	9	19.61	1	2.50	7	13.86	7	15.57	10	13.35
Austrian .....	1	7.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canadian .....	2	2.5	1	12.00	1	23.00	.....	.....	1	7.00	2	11.50	2	26.00
English.....	12	5.6	5	15.22	5	26.12	1	11.00	5	10.36	6	16.53	6	29.83
French .....	2	4.5	1	10.00	2	23.50	.....	.....	2	19.50	2	4.90	2	19.00
German .....	12	5.0	2	11.50	3	16.67	.....	.....	4	8.63	4	12.15	5	13.20
Irish .....	5	5.0	2	13.30	3	34.33	.....	.....	2	21.60	2	13.00	3	31.33
Scotch .....	2	4.5	1	12.00	1	25.00	.....	.....	1	6.00	.....	.....	1	30.00
Swedish .....	1	5.0	1	8.00	1	15.00	.....	.....	1	12.00	1	15.00	1	20.00
Welsh .....	17	5.2	8	17.41	8	42.91	1	9.32	8	17.03	8	15.79	8	29.75
Total ...	68	4.9	31	13.43	33	27.68	3	7.61	31	13.76	32	14.28	38	22.38
<i>New York.</i>														
American...	4	3.0	4	9.88	4	30.88	3	4.40	4	9.13	4	4.73	4	20.75
English.....	18	6.4	15	16.00	18	39.33	14	4.79	18	13.78	13	5.54	18	29.76
French .....	1	7.0	1	9.00	1	37.50	.....	.....	1	24.00	.....	.....	1	24.75
Irish .....	12	7.9	11	23.36	12	58.36	10	4.19	12	18.96	6	4.20	12	33.28
Scotch .....	5	3.8	5	18.00	5	33.50	4	4.65	5	12.60	2	3.90	5	22.44
Swedish .....	1	8.0	1	9.00	1	45.00	.....	.....	1	20.00	1	6.00	1	25.50
Total ...	41	6.3	37	17.42	41	43.46	31	4.54	41	15.10	26	5.00	41	28.79
<i>Ohio.</i>														
American...	71	4.6	66	14.35	70	25.19	27	2.62	65	4.57	68	12.27	71	17.19
English.....	11	4.7	9	17.35	10	32.60	.....	.....	9	7.92	9	10.68	10	18.43
French .....	3	5.3	3	16.74	3	18.35	3	4.07	2	2.15	2	14.25	3	13.90
German .....	17	5.5	16	16.16	16	29.30	8	3.45	12	6.57	17	14.32	16	16.98
Irish .....	17	5.0	16	17.04	16	33.73	2	1.86	16	6.63	17	9.04	17	18.42
Scotch .....	1	7.0	1	10.00	1	40.00	.....	.....	1	5.00	1	15.00	1	24.00
Welsh .....	20	4.8	20	16.90	20	29.98	9	2.31	20	8.61	20	10.67	20	23.02
Total ...	140	4.8	131	15.52	136	27.89	49	2.75	125	5.88	134	11.82	138	18.23
<i>Pennsylvania.</i>														
American...	142	4.4	138	14.65	139	22.06	127	3.16	138	18.87	138	11.26	139	22.85
English.....	24	4.2	22	16.52	23	25.74	20	4.40	24	17.98	24	11.21	24	21.40
Fr. Canadian ..	1	4.0	1	18.00	1	54.00	1	3.00	1	25.00	1	12.50	1	29.25
German .....	32	4.5	32	14.63	32	22.11	31	3.49	32	20.40	32	11.07	32	24.17
Irish .....	60	4.6	57	16.69	57	30.19	49	3.84	59	19.37	51	10.27	56	27.80
Italian .....	2	4.5	2	9.13	2	10.00	2	3.85	2	18.00	2	9.25	2	20.40
Polish .....	3	4.3	2	12.60	2	17.08	2	3.15	2	15.50	2	8.75	2	18.40
Scotch .....	2	4.5	2	16.50	2	30.70	1	3.60	2	12.25	2	8.25	2	17.25
Swedish .....	1	2.0	1	6.00	1	16.50	1	2.25	1	22.50	1	12.50	1	21.60
Welsh .....	10	5.2	8	18.37	10	31.95	8	4.65	10	10.59	9	8.10	10	15.50
Total ...	277	4.5	265	15.29	269	24.51	242	3.49	271	18.73	262	10.88	269	23.56
<i>Tennessee.</i>														
American...	17	4.6	3	11.33	15	8.97	.....	.....	7	4.43	14	9.63	15	13.17
Total ...	17	4.6	3	11.33	15	8.97	.....	.....	7	4.43	14	9.63	15	13.17



TABLE XX.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)—Concluded.**

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Virginia.</i>														
American....	30	5.8	10	\$12.78	29	\$24.72	6	\$4.36	15	\$5.22	29	\$15.78	30	\$21.48
English.....	3	6.0	1	10.95	3	24.01	2	4.85	2	4.65	3	18.00	3	21.13
Irish.....	2	5.0	2	13.54	2	23.00	.....	.....	2	11.80	1	10.80	2	14.63
Total...	35	5.8	13	12.76	34	24.56	8	4.48	19	5.85	33	15.83	35	21.06
<i>W. Virginia.</i>														
American....	3	5.7	3	21.92	3	35.07	1	2.88	3	7.33	3	10.17	3	11.88
German.....	2	5.6	2	14.00	2	33.00	.....	.....	2	7.60	2	18.63	2	15.03
Irish.....	1	3.0	1	8.00	1	25.50	.....	.....	1	7.20	1	5.00	1	8.16
Total...	6	5.2	6	16.96	6	32.78	1	2.88	6	7.40	6	12.13	6	12.31
<i>Belgium.</i>														
Belgian.....	75	5.5	48	9.80	73	35.19	37	3.90	.....	.....	73	19.00	56	3.78
Total...	75	5.5	48	9.80	73	35.19	37	3.90	.....	.....	73	19.00	56	3.78
<i>France.</i>														
Belgian.....	18	5.7	12	12.64	14	25.74	5	4.30	.....	.....	18	15.22	18	7.48
French.....	22	5.0	8	10.61	17	24.59	10	4.57	.....	.....	19	17.77	16	7.26
Total...	40	5.3	20	11.83	31	25.11	15	4.48	.....	.....	37	16.53	34	7.38
<i>Germany.</i>														
German.....	9	5.6	9	8.15	5	11.70	.....	.....	.....	.....	9	7.21	9	7.41
Polish.....	13	6.2	13	10.56	4	18.53	.....	.....	.....	.....	13	6.67	13	6.57
Total...	22	6.0	22	9.57	9	14.73	.....	.....	.....	.....	22	6.89	22	6.91
<i>Gt. Britain..</i>														
English.....	91	4.9	82	13.89	89	27.64	9	6.00	88	11.68	41	4.18	88	7.78
Irish.....	14	3.8	13	10.57	13	18.96	2	6.33	13	8.79	3	4.26	13	6.66
Scotch.....	5	6.6	3	27.42	5	45.55	.....	.....	5	23.97	3	4.73	5	16.94
Welsh.....	4	5.0	1	3.70	2	41.12	.....	.....	2	26.31	.....	.....	2	10.55
Total...	114	4.8	99	13.76	109	27.68	11	6.06	108	12.16	47	4.22	108	8.12

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)**

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American ..	28	5.0	18	\$2.98	28	\$15.04	28	\$38.86	1	\$24.00	2	\$0.36	13	\$5.05
English ..	2	6.5	1	1.20	2	11.63	2	32.10	1	5.00	.....	.....	1	4.00
German ..	2	4.5	2	1.50	2	12.50	2	45.00	.....	.....	.....	.....	.....	.....
Irish ..	6	5.8	2	5.10	6	15.52	6	44.38	.....	.....	1	.24	4	4.94
Welsh ..	1	9.0	1	6.00	1	14.00	1	75.00	.....	.....	.....	.....	.....	.....
Total ..	39	5.3	24	3.08	39	14.78	39	40.60	2	14.50	3	.32	18	4.97
<i>Illinois.</i>														
American ..	14	4.2	.....	.....	4	7.45	10	23.75	.....	.....	.....	.....	3	22.33
Austrian ..	1	7.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canadian ..	2	2.5	.....	.....	2	10.00	2	36.25	.....	.....	.....	.....	.....	.....
English ..	12	5.6	.....	.....	3	6.90	8	39.00	.....	.....	.....	.....	1	12.00
French ..	2	4.5	.....	.....	.....	.....	2	32.30	.....	.....	.....	.....	.....	.....
German ..	12	5.0	.....	.....	.....	.....	5	29.50	.....	.....	.....	.....	.....	.....
Irish ..	5	5.0	.....	.....	.....	.....	3	26.17	.....	.....	.....	.....	.....	.....
Scotch ..	2	4.5	.....	.....	.....	.....	1	18.00	.....	.....	.....	.....	1	20.00
Swedish ..	1	5.0	.....	.....	.....	.....	1	15.00	.....	.....	.....	.....	.....	.....
Welsh ..	17	5.2	1	9.60	2	7.08	9	55.79	.....	.....	.....	.....	2	23.74
Total ..	68	4.9	1	9.60	11	7.70	41	35.31	.....	.....	.....	.....	7	20.93
<i>New York.</i>														
American ..	4	3.0	.....	.....	4	3.00	4	22.75	3	2.73	.....	.....	1	2.50
English ..	18	6.4	7	1.50	17	4.65	18	50.33	10	2.00	3	3.20	7	4.18
French ..	1	7.0	1	1.50	1	4.00	1	38.00	1	20.00	.....	.....	.....	.....
Irish ..	12	7.9	1	1.00	8	4.75	12	56.82	12	3.92	1	.96	8	5.64
Scotch ..	5	3.8	2	.75	5	5.50	5	25.60	3	1.17	2	1.00	5	3.60
Swedish ..	1	8.0	1	1.50	1	3.00	1	22.80	1	12.00	.....	.....	.....	.....
Total ..	41	6.3	12	1.33	36	4.54	41	45.55	30	3.69	6	2.09	21	4.52
<i>Ohio.</i>														
American ..	71	4.6	42	3.25	19	4.84	71	25.63	25	5.06	3	2.68	40	8.84
English ..	11	4.7	6	1.48	7	5.81	11	23.44	7	8.30	.....	.....	8	8.63
French ..	3	5.3	1	1.82	1	5.50	3	15.00	1	24.01	.....	.....	2	2.75
German ..	17	5.5	9	2.72	10	6.54	15	22.13	9	22.72	1	3.00	14	8.38
Irish ..	17	5.0	10	2.74	10	6.35	17	26.84	8	3.73	.....	.....	15	7.92
Scotch ..	1	7.0	1	6.00	.....	.....	1	50.00	1	3.00	1	6.00	1	10.00
Welsh ..	20	4.8	11	3.06	1	6.60	20	24.42	2	16.25	.....	.....	9	8.40
Total ..	140	4.8	80	2.99	48	5.70	138	25.00	53	9.03	5	3.41	89	8.42
<i>Pennsylvania.</i>														
American ..	142	4.4	129	2.42	134	4.75	136	19.18	134	7.73	6	1.17	139	5.94
English ..	24	4.2	20	2.68	19	4.54	22	22.42	22	9.40	.....	.....	24	6.62
Fr. Canadian	1	4.0	1	6.00	1	6.30	1	9.00	1	18.00	.....	.....	1	12.00
German ..	32	4.5	32	2.24	32	4.61	32	21.28	29	5.30	3	3.33	32	4.70
Irish ..	60	4.6	44	2.47	51	6.68	57	31.31	49	10.30	10	2.05	60	7.91
Italian ..	2	4.5	2	1.88	2	3.78	2	17.20	2	6.47	.....	.....	2	4.53
Polish ..	3	4.3	2	2.40	2	4.59	2	14.90	3	16.81	.....	.....	2	3.40
Scotch ..	2	4.5	1	1.95	1	4.00	2	27.00	2	8.22	.....	.....	2	14.63
Swedish ..	1	2.0	1	2.40	1	4.14	1	12.80	1	4.50	.....	.....	1	3.00
Welsh ..	10	5.2	5	1.60	8	6.79	8	27.28	6	26.67	6	2.43	10	11.54
Total ..	277	4.5	237	2.42	251	5.16	263	22.53	249	8.69	25	2.08	273	6.54
<i>Tennessee.</i>														
American ..	17	4.6	10	1.48	16	14.69	17	29.96	.....	.....	6	.60	4	1.81
Total ..	17	4.6	10	1.48	16	14.69	17	29.96	.....	.....	6	.60	4	1.81
<i>Virginia.</i>														
American ..	30	5.8	15	5.47	29	11.48	30	41.29	6	15.09	3	1.27	21	14.85
English ..	3	6.0	2	8.10	2	13.00	3	33.40	.....	.....	.....	.....	2	19.88
Irish ..	2	5.0	.....	.....	2	9.00	2	43.25	.....	.....	.....	.....	1	5.20
Total ..	35	5.8	17	5.78	33	11.42	35	40.73	6	15.09	3	1.27	24	14.86

TABLE XX.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)—Concluded.**

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>W. Virginia.</i>														
American ..	3	5.7	2	\$1.35	3	\$9.23	3	\$31.75	1	\$2.40	.....	.....	2	\$7.87
German .....	2	5.5	2	3.80	1	10.00	2	36.55	.....	.....	.....	.....	2	6.26
Irish.....	1	3.0	1	1.20	1	5.50	1	18.00	.....	.....	.....	.....	.....	.....
Total ...	6	5.2	5	2.30	5	8.64	6	31.06	1	2.40	.....	.....	4	7.07
<i>Belgium.</i>														
Belgian.....	75	5.5	.....	.....	11	7.41	41	45.09	32	47.76	.....	.....	6	2.78
Total ...	75	5.5	.....	.....	11	7.41	41	45.09	32	47.76	.....	.....	6	2.78
<i>France.</i>														
Belgian.....	18	5.7	.....	.....	6	6.79	7	6.89	18	53.98	3	\$2.20	1	2.32
French .....	22	5.0	.....	.....	12	11.87	4	42.85	22	64.91	2	2.78	3	3.78
Total ...	40	5.3	.....	.....	18	10.17	11	19.96	40	59.99	5	2.43	4	3.42
<i>Germany.</i>														
German .....	9	5.6	.....	.....	.....	.....	8	3.62	9	41.15	2	1.15	3	2.06
Polish .....	13	6.2	.....	.....	.....	.....	13	6.46	13	39.94	4	1.95	7	2.83
Total ...	22	6.0	.....	.....	.....	.....	21	5.38	22	40.44	6	1.68	10	2.60
<i>Gt. Britain.</i>														
English.....	91	4.9	.....	.....	21	5.02	88	18.54	27	12.33	.....	.....	16	7.41
Irish.....	14	3.8	.....	.....	2	4.75	12	13.68	2	22.14	.....	.....	4	6.57
Scotch.....	5	0.6	.....	.....	.....	.....	5	34.75	1	63.26	.....	.....	2	9.49
Welsh .....	4	5.0	.....	.....	.....	.....	2	48.10	.....	.....	.....	.....	.....	.....
Total ...	114	4.8	.....	.....	23	5.00	107	19.31	30	14.68	.....	.....	22	7.44



TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<b>Alabama.</b>												
American...	28	5.0	28	\$11.68	28	\$7.03	.....	.....	28	\$26.64	\$233.75	\$46.42
English.....	2	6.5	2	12.80	2	6.95	.....	.....	2	30.00	261.50	40.23
German.....	2	4.5	2	21.00	2	7.25	.....	.....	2	20.00	241.80	53.73
Irish.....	6	5.8	6	17.70	6	8.02	.....	.....	6	31.67	282.27	48.39
Welsh.....	1	9.0	1	10.00	1	19.40	.....	.....	1	50.00	405.30	45.03
Total....	39	5.3	39	13.10	39	7.51	.....	.....	39	27.85	247.45	46.62
<b>Illinois.</b>												
American...	14	4.2	8	7.49	3	8.33	.....	.....	14	137.75	271.03	64.31
Austrian...	1	7.0	.....	.....	.....	.....	.....	.....	1	360.00	360.00	51.43
Canadian...	2	2.5	2	5.50	2	9.75	.....	.....	2	31.00	243.00	97.20
English.....	12	5.6	8	13.61	6	17.33	1	\$36.00	12	152.62	314.20	56.27
French.....	2	4.5	2	17.50	.....	.....	.....	.....	2	37.50	256.79	57.06
German.....	12	5.0	5	10.48	.....	.....	.....	.....	12	225.42	294.71	58.94
Irish.....	5	5.0	3	14.50	.....	.....	.....	.....	5	164.40	330.78	66.15
Scotch.....	2	4.5	1	7.50	1	12.00	.....	.....	2	194.00	350.25	77.83
Swedish.....	1	5.0	1	18.00	.....	.....	.....	.....	1	20.00	213.00	42.60
Welsh.....	17	5.2	8	13.25	3	13.67	.....	.....	17	278.65	462.55	89.36
Total....	68	4.9	38	11.64	15	13.43	1	36.00	68	190.13	336.64	68.54
<b>New York.</b>												
American...	4	3.0	4	6.13	4	3.34	.....	.....	4	20.13	227.34	75.78
English.....	18	6.4	18	8.11	18	4.71	.....	.....	18	24.79	294.17	45.65
French.....	1	7.0	1	6.00	1	7.05	.....	.....	1	30.00	285.20	40.74
Irish.....	12	7.9	12	11.78	12	5.95	1	20.00	11	27.56	380.93	48.12
Scotch.....	5	3.8	5	6.98	5	5.13	.....	.....	5	20.40	240.59	63.31
Swedish.....	1	8.0	1	10.00	1	2.85	.....	.....	1	18.00	248.65	31.08
Total....	41	6.3	41	8.85	41	5.00	1	20.00	40	24.50	305.18	48.69
<b>Ohio.</b>												
American...	71	4.6	61	8.23	59	8.85	34	2.48	67	14.29	229.28	50.24
English.....	11	4.7	11	7.58	9	11.16	6	1.33	11	11.26	252.30	53.37
French.....	3	5.3	2	4.25	2	6.01	1	1.00	3	6.67	178.22	33.42
German.....	17	5.5	13	7.07	16	11.04	12	2.95	16	12.08	255.17	46.15
Irish.....	17	5.0	17	7.56	16	9.68	13	2.15	16	10.27	257.82	51.56
Scotch.....	1	7.0	1	6.00	1	8.00	.....	.....	1	50.00	408.00	58.29
Welsh.....	20	4.8	20	8.70	17	9.96	10	3.38	20	20.15	261.20	54.99
Total....	140	4.8	125	7.96	120	9.53	76	2.51	134	14.27	242.44	50.43
<b>Pennsylvania.</b>												
American...	142	4.4	138	8.29	138	8.23	7	3.69	140	45.90	285.90	65.17
English.....	24	4.2	24	9.32	24	10.01	.....	.....	24	35.92	297.06	70.59
Fr. Canadian	1	4.0	1	11.10	1	15.92	.....	.....	1	38.00	395.22	98.83
German.....	32	4.5	32	8.08	32	7.91	3	5.53	32	42.25	291.87	64.41
Irish.....	60	4.6	58	9.60	58	12.24	15	6.05	57	35.42	322.01	69.50
Italian.....	2	4.5	2	7.84	2	7.68	.....	.....	2	32.50	231.76	51.50
Polish.....	3	4.3	2	8.76	3	19.70	.....	.....	3	43.33	233.82	53.96
Scotch.....	2	4.5	1	5.76	2	34.80	.....	.....	2	46.00	306.82	68.18
Swedish.....	1	2.0	1	7.20	1	9.56	.....	.....	1	30.00	219.99	110.00
Welsh.....	10	5.2	8	9.19	10	14.33	7	2.59	10	17.78	277.21	53.31
Total....	277	4.5	267	8.66	271	9.79	32	4.73	272	41.15	294.42	65.98
<b>Tennessee.</b>												
American...	17	4.6	17	11.18	17	7.39	.....	.....	17	16.12	184.16	40.14
Total....	17	4.6	17	11.18	17	7.39	.....	.....	17	16.12	184.16	40.14

TABLE XX.—**BAB IRON**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)—Concluded.**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>Virginia.</i>												
American....	30	5.8	29	\$11.14	25	\$19.53	3	\$3.07	30	\$22.46	\$269.18	\$40.86
English.....	3	6.0	3	10.83	3	19.60	.....	.....	3	22.15	264.20	44.03
Irish.....	2	5.0	2	8.86	2	18.80	.....	.....	2	10.34	238.01	47.60
Total....	35	5.8	34	10.98	30	19.49	3	3.07	35	21.74	284.11	49.23
<i>W. Virginia.</i>												
American....	3	5.7	3	8.23	3	17.67	3	1.25	2	9.48	258.82	45.67
German.....	2	5.5	2	11.00	2	16.00	2	1.50	2	6.18	315.00	57.28
Irish.....	1	3.0	1	8.40	1	12.25	1	.75	1	1.50	162.06	54.62
Total....	6	5.2	6	9.18	6	16.21	6	1.25	5	6.56	261.44	50.60
<i>Belgium.</i>												
Belgian.....	75	5.5	25	15.09	47	14.65	26	2.74	34	12.98	165.00	29.96
Total....	75	5.5	25	15.09	47	14.65	26	2.74	34	12.98	165.00	29.96
<i>France.</i>												
Belgian.....	18	5.7	10	9.20	1	1.85	.....	.....	18	18.75	191.00	33.86
French.....	22	5.0	16	14.15	.....	.....	.....	.....	22	16.36	199.06	39.45
Total....	40	5.3	26	12.25	1	1.85	.....	.....	40	17.43	195.84	36.78
<i>Germany.</i>												
German.....	9	5.6	7	8.49	8	5.65	9	2.16	9	14.54	142.89	25.72
Polish.....	13	6.2	12	9.03	12	5.20	13	1.86	13	29.22	150.80	24.20
Total....	22	6.0	19	8.83	20	5.38	22	1.98	22	23.21	147.56	24.78
<i>Gt. Britain.</i>												
English.....	91	4.9	88	7.69	84	5.52	.....	.....	89	40.64	224.33	46.19
Irish.....	14	3.8	13	6.05	12	3.89	.....	.....	14	22.69	168.28	44.45
Scotch.....	5	6.6	5	11.47	5	18.98	.....	.....	5	76.56	432.24	65.49
Welsh.....	4	5.0	2	15.45	.....	.....	.....	.....	4	91.01	210.43	42.09
Total....	114	4.8	108	7.81	101	5.99	.....	.....	112	41.80	226.09	47.03

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	28	5.0	27	\$21.87	28	\$5.80	28	\$15.56	28	\$31.18	26	\$79.42
English.....	2	6.5	2	21.25	2	8.50	2	60.00	2	30.00	2	95.00
German.....	2	4.5	2	18.50	2	5.33	2	27.50	2	16.00	1	60.00
Irish.....	6	5.8	6	31.50	6	9.06	6	55.00	6	47.67	6	90.00
Welsh.....	1	9.0	1	22.50	1	3.60	1	35.00	1	25.00	1	175.00
Total ...	39	5.3	38	23.20	39	6.36	39	46.55	39	32.72	36	84.17
<i>Illinois.</i>												
American...	14	4.2	14	45.43	14	3.73	14	60.36	14	38.57	11	43.45
Austrian....	1	7.0	1	30.00	1	1.44	1	30.00	1	10.00	1	60.00
Canadian....	2	2.5	2	55.50	2	4.50	2	60.00	2	100.00		
English.....	12	5.6	12	49.21	12	4.45	12	45.00	12	36.38	10	68.50
French.....	2	4.5	2	48.30	2	3.87	2	75.00	2	50.00	1	100.00
German.....	12	5.0	12	37.96	11	2.57	12	37.50	12	34.58	11	43.64
Irish.....	5	5.0	5	40.20	5	4.00	5	64.00	5	38.00	5	55.00
Scotch.....	2	4.5	2	65.00	2	5.90	2	60.00	2	95.00	2	35.00
Swedish....	1	5.0	1	38.00	1	3.00	1	40.00	1	20.00	1	50.00
Welsh.....	17	5.2	17	56.76	17	4.03	17	53.24	17	49.41	14	93.57
Total ...	68	4.9	68	47.85	67	3.81	68	51.76	68	43.26	56	62.64
<i>New York.</i>												
American...	4	3.0	4	33.88	4	3.88	4	41.25	4	32.50	2	62.50
English.....	18	6.4	18	38.69	18	3.31	18	34.50	18	17.94	15	83.73
French.....	1	7.0	1	38.00	1	3.50	1	30.00	1	10.00	1	75.00
Irish.....	12	7.9	12	46.83	12	3.39	12	35.42	11	15.82	12	145.42
Scotch.....	5	3.8	5	33.01	5	2.65	5	32.00	5	13.40	4	30.50
Swedish....	1	8.0	1	33.00	1	3.00	1	25.00	1	12.00	1	70.00
Total ...	41	6.3	41	39.76	41	3.30	41	34.78	40	17.90	35	96.94
<i>Ohio.</i>												
American...	71	4.6	71	32.48	71	4.86	71	46.22	71	38.04	59	55.28
English.....	11	4.7	11	34.91	11	6.44	11	60.23	11	46.77	8	75.75
French.....	3	5.3	3	27.83	3	3.91	3	44.50	3	30.92	2	58.00
German.....	17	5.5	17	33.24	14	5.31	17	40.09	17	33.68	17	68.31
Irish.....	17	5.0	17	32.07	17	4.22	17	43.15	17	53.01	16	70.85
Scotch.....	1	7.0	1	50.00	1	2.50	1	24.00	1	30.00	1	125.00
Welsh.....	20	4.8	20	33.73	20	5.82	20	56.29	20	54.13	17	65.76
Total ...	140	4.8	140	32.92	137	5.06	140	47.45	140	42.10	120	62.68
<i>Pennsylvania.</i>												
American...	142	4.4	142	28.33	142	9.63	142	23.31	142	20.23	120	40.96
English.....	24	4.2	24	26.81	24	9.92	23	25.87	24	22.00	19	37.47
Fr. Canadian	1	4.0	1	29.50	1	8.50	1	10.00	1	15.00	1	20.00
German.....	32	4.5	32	28.84	32	9.73	32	21.88	32	17.28	24	43.67
Irish.....	60	4.6	60	30.38	60	7.55	60	31.12	60	21.13	39	77.00
Italian.....	2	4.5	2	26.00	2	6.75	2	12.50	2	12.50	2	27.50
Polish.....	3	4.3	3	26.00	3	4.85	3	17.67	3	12.00	3	23.33
Scotch.....	2	4.5	2	25.50	2	14.50	2	45.00	2	40.00	2	35.00
Swedish....	1	2.0	1	18.60	1	5.00	1	10.00	1	10.00		
Welsh.....	10	5.2	10	30.18	10	4.10	10	43.98	9	35.12	8	48.53
Total ...	277	4.5	277	28.68	277	8.96	276	25.73	276	20.67	218	47.16
<i>Tennessee.</i>												
American...	17	4.6	17	16.00	17	4.84	17	30.29	17	19.82	10	58.00
Total ...	17	4.6	17	16.00	17	4.84	17	30.29	17	19.82	10	58.00



TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)—Concluded.**

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
							Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Virginia.</i>												
American....	30	5.8	30	\$37.04	30	\$3.68	30	\$31.39	30	\$21.70	26	\$53.73
English.....	3	6.0	3	35.83	3	3.40	3	27.17	3	8.67	3	49.00
Irish.....	2	5.0	2	45.75	2	4.00	2	12.50	2	12.50	2	75.00
Total ...	35	5.8	35	37.43	35	3.67	35	29.95	35	20.06	31	54.64
<i>W. Virginia.</i>												
American....	3	5.7	3	32.53	3	11.60	3	46.67	3	43.33	3	80.00
German.....	2	5.5	2	36.00	2	3.80	2	47.50	2	32.50	2	72.50
Irish.....	1	3.0	1	20.00	1	1.20	1	10.00	1	5.00	1	15.00
Total ...	6	5.2	6	31.60	6	7.27	6	40.83	6	33.33	6	66.67
<i>Belgium.</i>												
Belgian.....	75	5.5	72	13.77	70	4.00	75	27.07	73	14.79	69	41.59
Total ...	75	5.5	72	13.77	70	4.00	75	27.07	73	14.79	69	41.59
<i>France.</i>												
Belgian.....	18	5.7	18	11.30	18	7.17	18	27.61	18	18.82	17	63.24
French.....	22	5.0	22	7.51	22	4.44	22	20.40	20	14.67	19	35.96
Total ...	40	5.3	40	9.21	40	5.67	40	23.64	38	16.63	36	48.84
<i>Germany.</i>												
German.....	9	5.6	8	7.14	9	3.23	9	19.69	9	14.34	9	23.27
Polish.....	13	6.2	13	6.77	13	2.54	13	21.23	13	12.67	13	19.43
Total ...	22	6.0	21	6.91	22	2.82	22	20.60	22	13.35	22	21.00
<i>Gt. Britain.</i>												
English.....	91	4.9	91	27.48	91	7.11	91	31.41	90	26.09	77	44.50
Irish.....	14	3.8	14	27.77	14	5.88	14	14.67	14	13.21	12	12.09
Scotch.....	5	6.6	4	11.56	5	6.81	5	24.82	4	18.86	5	82.73
Welsh.....	4	5.0	4	27.98	4	5.84	2	19.47	2	19.47	2	65.70
Total ...	114	4.8	113	26.97	114	6.90	112	28.81	110	24.07	96	42.88

TABLE XX.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
	Total.	Average size.	Fam- ilies.	Aver- age cost.	Property.		Life.		Labor.		Other.	
					Fam- ilies.	Aver- age cost.	Fam- ilies.	Average cost.	Fam- ilies.	Average cost.	Fam- ilies.	Average cost.
<i>Alabama.</i>												
American ..	28	5.0	23	\$3.98	1	\$1.85	.....	.....	7	\$5.57	7	\$15.30
English.....	2	6.5	1	3.00	.....	.....	.....	.....	1	6.00	1	12.00
German .....	2	4.5	2	3.00	.....	.....	.....	.....	1	6.00	.....	.....
Irish.....	6	5.8	6	3.00	.....	.....	.....	.....	3	8.83	1	14.00
Welsh.....	1	9.0	1	3.00	.....	.....	.....	.....	1	6.00	.....	.....
Total ...	39	5.3	33	3.68	1	1.85	.....	.....	13	6.42	9	14.79
<i>Illinois.</i>												
American ..	14	4.2	1	4.50	1	3.00	1	\$25.00	7	5.86	3	8.00
Austrian ..	1	7.0	.....	.....	.....	.....	.....	.....	.....	.....	1	30.00
Canadian ..	2	2.5	.....	.....	1	2.00	.....	.....	1	6.00	.....	.....
English.....	12	5.6	2	9.00	4	2.01	2	31.00	3	5.00	5	5.20
French.....	2	4.5	.....	.....	1	2.00	.....	.....	2	6.50	.....	.....
German .....	12	5.0	6	3.21	4	2.88	1	26.00	2	4.50	3	19.67
Irish .....	5	5.0	1	3.50	2	4.75	1	12.00	3	6.33	2	5.50
Scotch .....	2	4.5	1	10.00	1	6.00	.....	.....	1	6.00	1	7.20
Swedish.....	1	5.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Welsh.....	17	5.2	7	19.14	6	9.75	5	36.60	8	6.38	10	9.28
Total ...	68	4.9	18	10.51	20	5.03	10	30.80	27	5.93	25	10.00
<i>New York.</i>												
American...	4	3.0	1	30.00	2	3.88	2	20.50	1	10.00	.....	.....
English.....	18	6.4	1	3.00	3	3.57	4	14.30	1	12.00	.....	.....
French.....	1	7.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Irish.....	12	7.9	.....	.....	.....	.....	7	15.83	.....	.....	.....	.....
Scotch .....	5	3.8	.....	.....	3	1.75	2	11.20	1	2.00	.....	.....
Swedish...	1	8.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total ...	41	6.3	2	16.50	8	2.96	15	15.43	3	8.00	.....	.....
<i>Ohio.</i>												
American...	71	4.6	32	18.28	31	5.89	23	35.72	27	6.81	26	10.54
English.....	11	4.7	3	33.57	3	16.25	4	16.20	6	6.17	5	11.44
French.....	3	5.3	2	9.18	2	2.41	.....	.....	.....	.....	2	4.00
German.....	17	5.5	7	15.12	7	11.93	7	10.93	7	5.86	6	12.55
Irish.....	17	5.0	7	9.37	4	3.80	6	25.82	8	5.88	10	7.35
Scotch.....	1	7.0	1	8.00	1	5.00	1	42.00	.....	.....	.....	.....
Welsh.....	20	4.8	7	13.54	6	8.21	8	50.11	14	6.07	12	10.98
Total ...	140	4.8	59	16.58	54	7.20	49	31.85	62	6.35	61	10.16
<i>Pennsylvania.</i>												
American...	142	4.4	24	18.84	10	16.36	54	23.36	90	8.10	78	17.85
English.....	24	4.2	9	27.42	5	16.05	11	22.40	17	7.18	14	14.70
Fr. Canadian	1	4.0	.....	.....	.....	.....	.....	.....	1	8.00	1	12.00
German .....	32	4.5	3	16.48	1	17.60	10	24.05	21	8.48	25	17.83
Irish.....	60	4.6	24	15.54	9	8.32	15	27.39	31	7.71	27	14.80
Italian.....	2	4.5	.....	.....	.....	.....	.....	.....	2	7.00	.....	.....
Polish.....	3	4.3	1	25.00	1	5.00	.....	.....	3	7.33	1	24.00
Scotch.....	2	4.5	1	60.00	1	6.00	1	25.00	1	7.50	.....	.....
Swedish.....	1	2.0	.....	.....	.....	.....	1	5.00	1	8.00	1	12.00
Welsh.....	10	5.2	7	12.57	1	6.00	5	14.28	4	5.70	6	6.00
Total ...	277	4.5	69	18.76	28	12.02	97	23.31	171	7.90	153	16.52
<i>Tennessee.</i>												
American ..	17	4.6	15	1.03	1	.25	3	5.10	.....	.....	5	8.16
Total ...	17	4.6	15	1.03	1	.25	3	5.10	.....	.....	5	8.16

TABLE XX.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.**—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)—Concluded.

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Virginia.</i>												
American....	30	5.8	22	\$13.34	8	\$7.38	13	\$18.54	.....	.....	7	\$15.07
English.....	3	6.0	3	7.33	.....	.....	2	25.90	.....	.....	.....	.....
Irish.....	2	5.0	1	14.09	1	3.00	.....	.....	.....	.....	.....	.....
Total...	35	5.8	26	12.67	9	6.89	15	19.52	.....	.....	7	15.07
<i>W. Virginia.</i>												
American....	3	5.7	2	5.40	.....	.....	.....	.....	1	\$5.00	.....	.....
German.....	2	5.5	2	17.50	.....	.....	.....	.....	2	6.00	.....	.....
Irish.....	1	3.0	1	10.00	.....	.....	.....	.....	.....	.....	.....	.....
Total...	6	5.2	5	11.16	.....	.....	.....	.....	3	6.00	.....	.....
<i>Belgium.</i>												
Belgian.....	75	5.5	23	5.63	17	1.53	.....	.....	4	4.02	20	6.07
Total...	75	5.5	23	5.63	17	1.53	.....	.....	4	4.02	20	6.07
<i>France.</i>												
Belgian.....	18	5.7	14	2.08	4	.96	1	5.98	.....	.....	.....	.....
French.....	22	5.0	19	1.86	3	1.01	2	4.35	.....	.....	.....	.....
Total...	40	5.3	33	1.95	7	.98	3	4.89	.....	.....	.....	.....
<i>Germany.</i>												
German.....	9	5.6	9	6.11	5	1.15	1	18.94	.....	.....	9	6.53
Polish.....	13	6.2	13	4.55	2	.63	.....	.....	.....	.....	12	6.51
Total...	22	6.0	22	5.19	7	1.00	1	18.94	.....	.....	21	6.52
<i>Gt. Britain.</i>												
English.....	91	4.9	.....	.....	.....	.....	64	11.16	37	3.16	78	10.57
Irish.....	14	3.8	.....	.....	.....	.....	6	7.23	1	.49	6	7.92
Scotch.....	5	6.6	5	7.06	.....	.....	3	2.28	.....	.....	.....	.....
Welsh.....	4	5.0	.....	.....	.....	.....	.....	.....	.....	.....	4	8.94
Total...	114	4.8	5	7.06	.....	.....	73	10.47	38	3.09	88	10.32



TABLE XX.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<b>Alabama.</b>												
American...	28	5.0	21	\$4.26	24	\$3.48	27	\$29.83	18	\$4.08	21	\$20.19
English.....	2	6.5	1	25.00	1	5.00	2	13.00	1	6.00	1	47.00
German.....	2	4.5	1	13.00	1	1.00	2	14.00	2	3.00	.....	.....
Irish.....	6	5.8	6	18.50	.....	.....	6	52.50	4	7.73	2	118.50
Welsh.....	1	9.0	1	1.00	1	1.00	1	5.00	.....	.....	1	35.00
Total...	39	5.3	30	7.98	27	3.35	38	31.04	25	4.90	25	29.72
<b>Illinois.</b>												
American...	14	4.2	11	6.91	9	7.22	10	20.50	13	10.71	9	31.11
Austrian...	1	7.0	1	5.00	1	2.00	1	56.00	1	4.00	1	4.00
Canadian...	2	2.5	2	8.00	1	10.00	2	21.00	2	17.50	2	30.00
English.....	12	5.6	9	8.67	7	5.29	9	37.78	10	11.06	7	15.86
French.....	2	4.5	2	12.00	2	9.00	2	7.50	2	7.50	.....	.....
German.....	12	5.0	9	5.58	10	4.25	5	37.60	12	7.67	8	17.13
Irish.....	5	5.0	4	14.75	4	6.00	3	6.33	4	7.75	3	27.33
Scotch.....	2	4.5	2	6.00	2	7.50	2	40.00	2	12.10	2	27.50
Swedish.....	1	5.0	1	6.00	1	3.00	1	5.00	1	3.60	1	5.00
Welsh.....	17	5.2	14	13.50	16	8.13	10	55.00	17	14.91	11	59.27
Total...	68	4.9	55	9.36	53	6.54	45	33.33	64	11.06	44	31.50
<b>New York.</b>												
American...	4	3.0	2	4.50	3	6.33	4	40.75	3	7.00	2	19.50
English.....	18	6.4	5	11.40	7	2.00	18	34.86	11	8.23	8	3.31
French.....	1	7.0	1	11.00	.....	.....	1	6.00	.....	.....	1	2.00
Irish.....	12	7.9	11	15.14	.....	.....	11	20.09	10	4.10	3	4.00
Scotch.....	5	3.8	2	4.00	1	2.00	5	15.60	5	6.60	1	4.00
Swedish.....	1	8.0	.....	.....	.....	.....	1	3.00	1	2.50	.....	.....
Total...	41	6.3	21	11.98	11	3.18	40	27.46	30	6.27	15	5.57
<b>Ohio.</b>												
American...	71	4.6	44	10.78	65	6.60	57	52.28	66	11.40	42	13.81
English.....	11	4.7	8	16.06	7	9.86	5	145.10	10	14.34	4	178.50
French.....	3	5.3	3	7.33	2	2.25	2	14.88	3	4.67	2	2.88
German.....	17	5.5	7	5.46	12	6.17	9	51.33	15	10.97	5	28.30
Irish.....	17	5.0	14	15.43	12	10.17	9	21.47	17	7.32	4	10.88
Scotch.....	1	7.0	1	10.00	1	10.00	1	10.00	1	10.00	.....	.....
Welsh.....	20	4.8	13	17.14	20	11.69	19	64.36	20	14.77	13	26.44
Total...	140	4.8	95	12.61	119	7.92	102	55.13	132	11.40	70	26.12
<b>Pennsylvania.</b>												
American...	142	4.4	102	7.49	101	5.67	139	13.81	140	6.57	22	24.23
English.....	24	4.2	18	10.45	16	5.44	21	12.57	24	7.05	7	20.14
Fr. Canadian...	1	4.0	1	15.00	1	5.00	1	5.00	1	2.00	.....	.....
German.....	32	4.5	18	8.11	18	5.57	31	8.63	32	5.38	4	12.50
Irish.....	60	4.6	55	10.60	43	5.92	57	19.11	53	6.87	18	16.89
Italian.....	2	4.5	2	7.50	.....	.....	2	6.50	2	3.00	.....	.....
Polish.....	3	4.3	1	10.00	.....	.....	3	9.33	3	2.67	1	3.00
Scotch.....	2	4.5	2	14.00	2	6.50	2	17.50	2	17.50	1	70.00
Swedish.....	1	2.0	.....	.....	.....	.....	1	5.00	1	4.00	.....	.....
Welsh.....	10	5.2	9	12.89	10	3.53	9	15.01	8	5.14	6	18.48
Total...	277	4.5	208	8.97	191	5.59	266	14.14	266	6.47	59	20.54
<b>Tennessee.</b>												
American...	17	4.6	11	3.23	13	1.46	17	27.26	3	2.33	16	2.66
Total...	17	4.6	11	3.23	13	1.46	17	27.26	3	2.33	16	2.66
<b>Virginia.</b>												
American...	30	5.8	26	8.57	25	4.02	25	23.02	17	8.14	19	13.45
English.....	3	6.0	3	6.00	3	2.17	3	7.33	2	11.60	2	10.50
Irish.....	2	5.0	2	23.00	1	10.00	2	3.25	2	9.82	1	15.00
Total...	35	5.8	31	9.25	29	4.03	30	20.13	21	8.63	22	13.25

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)—Concluded.**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>W. Virginia.</i>												
American...	3	5.7	2	\$6.50	1	\$12.00	1	\$17.00	3	\$10.67	1	\$50.00
German .....	2	5.5	2	9.80	2	6.50	.....	.....	2	22.50	.....	.....
Irish .....	1	3.0	1	10.00	1	4.00	.....	.....	1	3.00	.....	.....
Total ...	6	5.2	5	8.52	4	7.25	1	17.00	6	13.33	1	50.00
<i>Belgium.</i>												
Belgian .....	75	5.5	35	.95	20	.69	42	6.03	23	3.37	71	24.67
Total ...	75	5.5	35	.95	20	.69	42	6.03	23	3.37	71	24.67
<i>France.</i>												
Belgian .....	18	5.7	.....	.....	.....	.....	18	5.31	13	2.97	13	22.57
French .....	22	5.0	.....	.....	1	3.86	22	5.22	7	2.91	17	11.12
Total ...	40	5.3	.....	.....	1	3.86	40	5.26	20	2.95	30	16.08
<i>Germany.</i>												
German .....	9	5.6	9	.88	9	.79	8	6.37	7	3.63	5	3.19
Polish .....	13	0.2	13	.74	12	.59	12	7.49	8	1.40	5	2.05
Total ...	22	6.0	22	.80	21	.67	20	7.04	15	2.44	10	2.62
<i>Gt. Britain.</i>												
English .....	91	4.9	49	5.29	72	1.61	83	8.69	88	5.89	79	22.36
Irish .....	14	3.8	12	6.41	11	.79	11	2.59	10	4.28	10	7.69
Scotch .....	5	6.6	5	10.22	5	3.41	5	8.27	5	9.73	5	41.85
Welsh .....	4	5.0	2	4.87	.....	.....	.....	.....	3	2.84	.....	.....
Total ...	114	4.8	68	5.84	88	1.61	90	7.99	106	5.84	94	21.83

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)**

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>Alabama.</i>												
American...	28	5.0	22	\$22.32	25	\$16.22	28	\$38.68	28	\$48.18	\$357.52	\$71.00
English.....	2	6.5	1	12.00	-----	-----	2	27.50	2	48.00	361.25	55.58
German.....	2	4.5	2	50.00	2	11.50	2	9.00	2	51.50	255.33	56.74
Irish.....	6	5.8	5	23.60	4	21.75	6	49.50	6	100.17	542.46	92.99
Welsh.....	1	9.0	1	16.00	1	18.00	1	122.00	1	40.00	508.10	56.46
Total....	39	5.3	31	23.77	32	16.68	39	40.38	39	56.28	384.78	72.50
<i>Illinois.</i>												
American...	14	4.2	9	51.92	11	9.59	8	39.19	13	14.00	320.15	75.97
Austrian...	1	7.0	1	52.00	1	12.00	1	50.00	1	6.00	352.44	50.35
Canadian...	2	2.5	1	50.00	2	17.75	2	77.50	2	28.25	454.00	181.60
English.....	12	5.6	8	24.81	7	7.66	9	15.78	10	22.05	310.47	55.61
French.....	2	4.5	2	91.25	2	24.55	1	35.00	2	17.50	421.47	93.66
German.....	12	5.0	12	28.83	12	8.30	8	15.50	4	4.50	254.22	50.84
Irish.....	5	5.0	3	70.33	4	9.15	4	15.50	4	23.25	335.72	67.14
Scotch.....	2	4.5	1	60.00	2	5.50	2	20.00	-----	-----	424.10	94.24
Swedish.....	1	5.0	1	25.00	-----	-----	1	10.00	1	5.00	213.60	42.72
Welsh.....	17	5.2	13	47.00	14	12.10	14	43.04	11	36.18	480.18	92.76
Total....	68	4.9	51	43.20	55	10.41	50	30.68	48	21.13	356.84	72.65
<i>New York.</i>												
American...	4	2.0	2	17.50	4	7.38	4	11.88	4	17.88	273.56	91.19
English.....	18	6.4	9	18.67	15	9.08	18	14.67	18	19.89	265.59	41.21
French.....	1	7.0	1	20.00	1	9.00	1	12.00	1	20.00	238.50	33.79
Irish.....	12	7.9	8	23.38	10	10.90	12	31.67	12	22.75	370.59	46.81
Scotch.....	5	3.8	2	40.00	4	11.75	5	8.40	5	17.20	187.39	49.31
Swedish.....	1	8.0	1	25.00	1	8.00	1	15.00	1	14.00	210.50	26.31
Total....	41	6.3	23	22.39	35	9.68	41	18.55	41	20.06	285.51	45.55
<i>Ohio.</i>												
American...	71	4.6	41	24.34	65	11.13	63	28.59	58	20.41	\$36.13	73.66
English.....	11	4.7	3	21.83	7	13.00	9	35.72	9	11.44	446.16	94.38
French.....	3	5.3	2	22.95	3	8.17	1	24.50	2	2.98	215.16	40.34
German.....	17	5.5	9	27.00	15	9.82	13	47.54	14	23.19	332.35	60.11
Irish.....	17	5.0	5	14.70	13	12.32	12	33.07	17	27.45	325.77	65.15
Scotch.....	1	7.0	1	8.00	1	5.00	1	15.00	1	9.00	363.50	51.93
Welsh.....	20	4.8	12	16.53	13	11.37	20	45.90	17	29.92	452.79	95.32
Total....	140	4.8	73	22.36	117	11.11	119	34.41	118	22.05	357.33	74.33
<i>Pennsylvania.</i>												
American...	142	4.4	29	21.41	104	15.60	128	21.12	142	38.45	250.73	57.15
English.....	24	4.2	10	29.70	20	14.53	15	21.07	24	60.18	283.96	67.47
Fr. Canadian	1	4.0	-----	-----	1	13.50	1	8.00	1	25.00	176.50	44.13
German.....	32	4.5	17	8.71	25	14.33	26	11.28	32	37.94	225.50	49.77
Irish.....	60	4.6	31	19.40	48	15.07	48	18.39	60	42.50	287.72	62.10
Italian.....	2	4.5	-----	-----	-----	-----	2	10.00	2	21.50	140.75	31.28
Polish.....	3	4.3	-----	-----	1	15.00	3	16.33	3	56.67	203.52	46.97
Scotch.....	2	4.5	1	140.00	2	34.50	2	34.00	2	43.00	481.25	106.94
Swedish.....	1	2.0	-----	-----	1	12.00	1	5.00	1	20.00	114.60	57.30
Welsh.....	10	5.2	4	13.75	5	7.90	10	14.80	10	21.14	260.33	50.06
Total....	277	4.5	92	20.24	207	15.19	236	19.04	277	40.52	258.65	57.97
<i>Tennessee.</i>												
American...	17	4.6	14	15.43	15	11.97	17	16.35	17	21.53	203.83	44.43
Total....	17	4.6	14	15.43	15	11.97	17	16.35	17	21.53	203.83	44.43



TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)—Concluded.

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>Virginia.</i>												
American....	30	5.8	8	\$20.31	25	\$13.31	28	\$27.52	30	\$57.06	\$306.01	\$52.76
English.....	3	6.0	1	25.00	3	13.00	3	28.00	3	53.60	281.83	46.97
Irish.....	2	5.0	.....	.....	1	25.00	2	18.00	2	67.40	304.77	60.95
Total....	35	5.8	9	20.83	29	13.68	33	26.98	35	57.36	303.87	52.65
<i>W. Virginia.</i>												
American....	3	5.7	.....	.....	2	12.00	3	41.67	3	8.67	319.40	56.36
German.....	2	5.5	.....	.....	2	9.00	2	14.50	2	18.25	296.35	53.88
Irish.....	1	3.0	.....	.....	1	12.00	1	20.00	1	4.50	114.70	38.23
Total....	6	5.2	.....	.....	5	10.80	6	29.00	6	11.17	277.60	53.73
<i>Belgium.</i>												
Belgian.....	75	5.5	45	18.57	63	5.73	39	10.75	65	6.75	156.37	28.40
Total....	75	5.5	45	18.57	63	5.73	39	10.75	65	6.75	156.37	28.40
<i>France.</i>												
Belgian.....	18	5.7	18	43.01	15	5.85	.....	.....	8	8.44	202.16	35.68
French.....	22	5.0	22	49.77	20	4.82	1	9.65	16	4.22	151.45	30.02
Total....	40	5.3	40	46.73	35	5.26	1	9.65	24	5.63	174.27	32.73
<i>Germany.</i>												
German.....	9	5.6	9	11.30	8	3.56	5	3.52	9	23.76	134.38	24.19
Polish.....	13	6.2	13	17.18	13	4.35	9	6.56	13	9.98	119.20	19.13
Total....	22	6.0	22	14.78	21	4.05	14	5.47	22	15.62	125.41	21.06
<i>Gt. Britain.</i>												
English.....	91	4.9	64	20.97	67	12.93	50	5.83	25	16.85	216.91	44.66
Irish.....	14	3.8	9	19.35	10	11.39	14	2.56	2	5.60	119.05	31.45
Scotch.....	5	6.6	.....	.....	.....	.....	.....	.....	.....	.....	220.61	33.43
Welsh.....	4	5.0	.....	.....	2	12.65	4	4.48	.....	.....	110.45	22.09
Total....	114	4.8	73	20.77	79	12.73	68	5.08	27	16.01	201.32	41.88

TABLE XX.—BAR IRON: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.		Deficit.	
										Families.	Average.	Families.	Average.
Alabama.													
American ..	28	5.0	1	\$113.67	\$233.75	\$357.52	\$700.88	\$713.20	\$807.31	17	\$216.71	11	\$64.02
English ..	2	6.5	.....	96.00	261.50	361.25	718.75	725.50	725.50	1	136.55	1	123.05
German ..	2	4.5	.....	75.00	241.80	255.33	572.13	598.00	858.00	2	285.87	.....	.....
Irish .....	6	5.8	.....	160.00	282.27	542.46	984.73	1,113.50	1,174.17	4	302.94	2	37.55
Welsh .....	1	9.0	.....	120.00	405.30	508.10	1,033.40	612.00	936.00	.....	.....	1	97.40
Total ..	39	5.3	1	118.18	247.45	384.78	747.39	766.92	865.45	24	233.51	15	66.65
Illinois.													
American ..	14	4.2	.....	83.57	271.03	320.15	674.75	686.57	744.68	10	113.79	4	39.74
Anstrian ..	1	7.0	.....	60.00	360.00	352.44	772.44	581.50	581.50	.....	.....	1	190.94
Canadian ..	2	2.5	.....	108.00	243.00	454.00	805.00	869.00	869.00	1	176.10	1	48.10
English ....	12	5.6	1	99.82	314.20	310.47	716.17	805.30	875.39	5	582.99	7	143.43
French .....	2	4.5	.....	90.00	256.79	421.47	768.26	825.00	825.00	1	130.50	1	17.02
German .....	12	5.0	5	58.29	294.71	254.22	582.93	510.99	616.99	5	197.68	7	82.81
Irish .....	5	5.0	1	78.00	330.76	335.72	728.88	795.00	810.00	2	296.95	3	62.77
Scotch .....	2	4.5	1	72.00	350.25	424.10	810.35	881.38	881.38	2	71.03	.....	.....
Swedish .....	1	5.0	.....	84.00	213.00	213.60	510.60	525.00	525.00	1	14.40	.....	.....
Welsh .....	17	5.2	4	110.31	462.55	480.18	1,027.08	978.01	1,117.90	12	207.32	5	188.77
Total ..	68	4.9	12	89.89	336.64	356.84	767.51	768.62	847.73	39	220.15	29	107.97
New York.													
American ..	4	3.0	1	137.33	227.34	273.56	603.90	736.50	777.75	4	173.85	.....	.....
English ....	18	6.4	.....	96.61	294.17	265.59	656.37	401.90	639.39	7	90.12	11	85.15
French .....	1	7.0	.....	84.00	285.20	236.50	605.70	450.00	630.00	1	24.30	.....	.....
Irish .....	12	7.9	.....	82.96	380.93	370.59	834.48	360.14	821.73	4	143.75	8	91.00
Scotch .....	5	3.8	.....	109.20	240.59	187.39	537.18	482.00	539.60	4	20.24	1	68.88
Swedish .....	1	8.0	.....	52.00	248.65	210.50	511.15	300.00	430.00	.....	.....	1	81.15
Total ..	41	6.3	1	95.71	305.18	285.51	684.07	430.78	688.75	20	100.33	21	86.41
Ohio.													
American ..	71	4.6	30	87.17	229.28	336.13	615.75	752.51	818.37	48	326.91	22	59.33
English ....	11	4.7	3	88.57	252.30	446.16	754.82	1,023.50	1,114.09	11	359.27	.....	.....
French .....	3	5.3	2	84.00	178.22	215.16	421.38	459.88	459.88	3	38.50	.....	.....
German .....	17	5.5	8	97.78	255.17	332.35	639.28	918.42	999.60	14	448.12	3	49.48
Irish .....	17	5.0	5	106.00	257.82	325.77	658.42	1,012.95	1,149.48	15	560.79	2	31.91
Scotch .....	1	7.0	1	.....	408.00	363.50	771.50	1,200.00	1,200.00	1	128.50	.....	.....
Welsh .....	20	4.8	5	108.67	261.20	452.79	795.49	921.66	991.27	16	278.13	4	133.63
Total ..	140	4.8	54	94.82	242.44	357.33	657.34	846.66	923.56	108	364.10	31	66.20
Pennsylvania.													
American ..	142	4.4	10	122.87	285.90	250.73	650.84	672.69	711.07	92	112.48	50	35.92
English ....	24	4.2	6	118.78	297.06	283.96	670.10	717.83	756.79	17	145.80	7	56.88
Fr. Canad. ..	1	4.0	.....	144.00	395.32	176.50	715.82	707.00	707.00	.....	.....	1	8.82
German .....	32	4.5	1	122.28	291.87	225.50	635.83	654.54	696.12	23	108.14	9	62.00
Irish .....	60	4.6	10	111.83	322.01	287.72	702.93	645.69	781.48	39	146.33	21	47.32
Italian .....	2	4.5	.....	72.00	231.76	140.75	444.51	386.40	461.40	2	16.89	.....	.....
Polish .....	3	4.3	1	82.00	233.82	203.52	492.01	444.17	514.17	2	48.64	1	30.80
Scotch .....	2	4.5	1	120.00	306.82	481.25	848.07	1,380.00	1,380.00	2	531.93	.....	.....
Swedish .....	1	2.0	.....	73.00	219.99	114.60	407.59	390.00	390.00	.....	.....	1	17.59
Welsh .....	10	5.2	2	85.88	277.21	260.33	606.24	685.63	721.03	6	204.68	3	26.71
Total ..	277	4.5	31	118.17	294.42	258.65	658.02	668.79	728.63	183	128.11	93	41.75
Tennessee.													
American ..	17	4.6	.....	89.47	184.16	203.83	477.46	441.62	508.88	12	64.07	5	46.93
Total ..	17	4.6	.....	89.47	184.16	203.83	477.46	441.62	508.88	12	64.07	5	46.93

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE—Concluded.**

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Aver- age size.		Rent.	Food.	Other pur- poses.	All pur- poses.	Hus- band.	All sources.	Surplus.		Deficit.	
										Fam- ilies.	Aver- age.	Fam- ilies.	Aver- age.
<i>Virginia.</i>													
American ...	30	5.8	10	\$91.43	\$289.18	\$306.01	\$656.14	\$561.44	\$686.36	12	\$138.87	10	\$75.98
English ...	3	6.0	.....	112.00	264.20	281.83	658.03	511.62	682.62	2	36.89	.....	.....
Irish .....	2	5.0	1	120.00	238.01	304.77	602.78	403.26	550.76	.....	.....	2	52.02
Total..	35	5.8	11	95.19	284.11	303.87	653.25	548.13	678.29	14	124.30	12	71.98
<i>W. Virginia</i>													
American ...	3	5.7	.....	96.00	258.82	319.40	674.22	840.67	1,007.33	2	543.51	1	87.68
German ...	2	5.5	1	160.00	315.06	296.35	691.41	967.00	967.00	2	275.60	.....	.....
Irish .....	1	3.0	1	.....	162.06	114.70	276.76	388.75	388.75	1	111.99	.....	.....
Total..	6	5.2	2	112.00	261.44	277.60	613.71	807.46	890.79	5	350.04	1	87.68
<i>Belgium.</i>													
Belgian ...	75	5.5	5	34.37	165.00	156.37	353.45	213.51	359.37	35	65.24	40	46.00
Total..	75	5.5	5	34.37	165.00	156.37	353.45	213.51	359.37	35	65.24	40	46.00
<i>France.</i>													
Belgian ...	18	5.7	.....	32.60	191.90	202.16	426.66	361.05	504.53	13	121.79	5	36.28
French.....	22	5.0	.....	29.65	199.06	151.45	380.16	307.55	432.18	16	83.56	6	32.11
Total..	40	5.3	.....	30.98	195.84	174.27	401.09	331.62	464.74	29	100.70	11	34.01
<i>Germany.</i>													
German ...	9	5.6	1	20.61	142.89	134.38	293.29	234.11	296.75	6	19.05	3	27.71
Polish.....	13	6.2	.....	15.67	150.80	119.20	284.46	250.71	272.13	3	11.80	10	19.57
Total..	22	6.0	1	17.49	147.56	125.41	288.07	243.92	282.20	9	16.63	13	21.45
<i>Gt. Brita</i>													
English ...	91	4.9	.....	55.32	224.33	216.91	496.56	463.10	531.89	54	65.10	9	33.33
Irish .....	14	3.8	.....	46.36	168.28	119.05	333.69	324.94	352.06	11	24.82	1	16.03
Scotch ....	5	6.6	.....	51.58	432.24	220.61	704.43	481.79	848.72	4	180.36	.....	.....
Welsh ....	4	5.0	.....	32.91	210.43	110.45	353.79	236.21	426.01	3	100.61	1	12.94
Total..	114	4.8	.....	53.27	226.08	201.32	480.67	438.99	519.99	72	66.83	11	29.90



TABLE XX.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>Alabama.</i>								
American.....	28	5.0	1	\$22.40	\$46.42	\$71.00	\$139.13	\$160.32
English.....	2	6.5	.....	14.77	40.23	55.58	110.58	111.62
German.....	2	4.5	.....	16.67	53.73	56.74	127.14	190.67
Irish.....	6	5.8	.....	27.43	48.39	92.99	163.81	201.29
Welsh.....	1	9.0	.....	13.33	45.03	56.46	114.82	104.00
Total.....	39	5.3	1	22.12	46.62	72.50	140.81	163.06
<i>Illinois.</i>								
American.....	14	4.2	.....	19.83	64.31	75.97	160.11	176.70
Austrian.....	1	7.0	.....	8.57	51.43	50.35	110.35	83.07
Canadian.....	2	2.5	.....	43.20	97.20	181.60	322.00	347.60
English.....	12	5.6	1	17.16	56.27	55.61	128.27	156.79
French.....	2	4.5	.....	20.00	57.06	93.66	170.72	183.33
German.....	12	5.0	5	12.36	58.94	50.84	116.59	123.40
Irish.....	5	5.0	1	17.33	66.15	67.14	145.78	162.00
Scotch.....	2	4.5	1	14.40	77.83	94.24	180.08	195.86
Swedish.....	1	5.0	.....	16.80	42.60	42.72	102.12	105.00
Welsh.....	17	5.2	4	21.40	89.36	92.76	198.41	215.96
Total.....	68	4.9	12	18.51	68.54	72.65	156.26	172.59
<i>New York.</i>								
American.....	4	3.0	1	41.20	75.78	91.19	201.30	259.25
English.....	18	6.4	.....	14.99	45.65	41.21	101.85	99.22
French.....	1	7.0	.....	12.00	40.74	33.79	86.53	90.00
Irish.....	12	7.9	.....	10.48	48.12	46.81	105.41	103.80
Scotch.....	5	3.8	.....	28.74	63.31	49.31	141.36	142.00
Swedish.....	1	8.0	.....	6.50	31.08	26.31	63.89	53.75
Total.....	41	6.3	1	15.01	48.69	45.55	109.13	109.88
<i>Ohio.</i>								
American.....	71	4.6	30	18.61	50.24	73.66	134.93	179.33
English.....	11	4.7	3	16.32	53.37	94.38	159.67	235.67
French.....	3	5.3	2	42.00	33.42	40.34	79.01	86.23
German.....	17	5.5	8	23.16	46.15	60.11	115.62	180.78
Irish.....	17	5.0	5	19.57	51.56	65.15	131.68	229.90
Scotch.....	1	7.0	1	.....	58.29	51.93	110.22	171.43
Welsh.....	20	4.8	5	24.33	54.99	95.32	167.47	208.69
Total.....	140	4.8	54	20.05	50.43	74.33	136.74	192.12
<i>Pennsylvania.</i>								
American.....	142	4.4	10	28.11	65.17	57.15	148.35	162.07
English.....	24	4.2	6	28.51	70.59	67.47	159.23	179.83
French Canadian.....	1	4.0	.....	36.00	98.83	44.13	178.96	176.75
German.....	32	4.5	1	29.38	64.41	49.77	140.32	153.63
Irish.....	60	4.6	10	25.53	69.50	62.10	151.71	168.66
Italian.....	2	4.5	.....	16.00	51.50	31.28	98.78	102.53
Polish.....	3	4.3	1	20.50	53.96	46.97	113.54	118.05
Scotch.....	2	4.5	1	30.00	68.18	106.94	188.46	306.67
Swedish.....	1	2.0	.....	36.50	110.00	57.30	203.80	195.00
Welsh.....	10	5.2	2	16.36	53.31	50.06	116.58	138.66
Total.....	277	4.5	31	27.19	65.98	57.97	147.47	163.29
<i>Tennessee.</i>								
American.....	17	4.6	.....	19.50	40.14	44.43	104.07	110.91
Total.....	17	4.6	.....	19.50	40.14	44.43	104.07	110.91
<i>Virginia.</i>								
American.....	30	5.8	10	17.09	49.86	52.76	113.13	118.34
English.....	3	6.0	.....	18.67	44.03	46.97	109.67	113.77
Irish.....	2	5.0	1	30.00	47.60	60.95	120.56	110.15
Total.....	35	5.8	11	17.71	49.23	52.65	113.19	117.53

TABLE XX.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Concluded.**G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE—Concluded.**

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>West Virginia.</i>								
American.....	3	5.7	.....	\$16.94	\$45.67	\$56.36	\$118.97	\$177.76
German.....	2	5.5	1	40.00	57.28	53.88	125.71	175.82
Irish.....	1	3.0	1	.....	54.02	38.23	92.25	129.58
Total.....	6	5.2	2	21.33	50.60	53.73	118.78	172.41
<i>Belgium.</i>								
Belgian.....	75	5.5	5	6.15	29.96	28.40	64.19	65.26
Total.....	75	5.5	5	6.15	29.96	28.40	64.19	65.26
<i>France.</i>								
Belgian.....	18	5.7	.....	5.75	33.86	35.68	75.29	89.04
French.....	22	5.0	.....	5.88	39.45	30.02	75.35	85.66
Total.....	40	5.3	.....	5.82	36.78	32.73	75.33	87.27
<i>Germany.</i>								
German.....	9	5.6	1	4.01	25.72	24.19	52.79	53.42
Polish.....	13	6.2	.....	2.58	24.20	19.13	45.65	43.67
Total.....	22	6.0	1	3.05	24.78	21.06	48.38	47.39
<i>Great Britain.</i>								
English.....	91	4.9	.....	11.39	46.19	44.66	102.24	109.51
Irish.....	14	3.8	.....	12.25	44.45	31.45	88.15	93.00
Scotch.....	5	6.6	.....	7.82	65.49	33.43	106.74	128.59
Welsh.....	4	5.0	.....	6.58	42.09	22.09	70.76	85.20
Total.....	114	4.8	.....	11.08	47.03	41.88	99.99	108.17

TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES.

## A.—SUMMARY OF CONDITION AS TO CHILDREN.

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families with out children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>Alabama.</i>														
American.....							1	1	1.0	2	3	3.0	1	2
Total.....							1	1	1.0	2	3	3.0	1	2
<i>Illinois.</i>														
American.....				2	3	1.5	12	23	1.9	4	30	2.3		13
Austrian.....							1	3	3.0		3	3.0		1
Danish.....										1	1	1.0		1
English.....							2	2	1.0		3	1.0		3
German.....				1	2	2.0	7	16	2.3		18	2.3		8
Irish.....	3	6	2.0	4	13	3.3	5	8	1.6		27	5.4	4	9
Norwegian.....							1	2	2.0		2	2.0		1
Scotch.....							1	2	2.0		2	2.0		1
Swedish.....													1	1
Total.....	3	6	2.0	7	18	2.6	29	56	1.9	6	86	2.6	5	38
<i>New York.</i>														
American.....	3	3	1.0	8	15	1.9	12	20	1.7		38	2.7	1	15
Canadian.....				1	1	1.0	1	1	1.0		2	2.0		1
English.....				3	4	1.3	6	9	1.5		13	2.2		6
German.....							1	3	3.0		3	3.0		1
Irish.....	15	31	2.1	18	33	1.8	15	26	1.7		90	3.5	8	34
Polish.....	1	1	1.0	3	4	1.3	3	7	2.3		12	4.0		3
Scotch.....				1	2	2.0	1	3	3.0		5	5.0		1
Swedish.....	1	2	2.0	1	2	2.0					4	4.0		1
Total.....	20	37	1.9	35	61	1.7	39	69	1.8		167	3.2	9	62
<i>Ohio.</i>														
American.....	1	3	3.0	1	3	3.0					6	6.0	1	2
German.....							1	3	3.0		3	3.0	1	2
Irish.....	1	1	1.0	1	6	6.0	2	2	1.0	3	12	4.0	1	4
Total.....	2	4	2.0	2	9	4.5	3	5	1.7	3	21	4.2	3	8
<i>Pennsylvania.</i>														
American.....				11	27	2.5	23	50	1.8	20	97	2.3	1	36
Canadian.....				1	2	2.0	1	1	1.0		3	3.0		1
English.....				2	2	1.0	2	3	1.5		5	1.7	3	6
Irish.....				4	11	2.8	1	1	1.0		12	3.0	1	5
Total.....				18	42	2.3	32	55	1.7	20	117	2.7	5	48
<i>W. Virginia.</i>														
American.....				4	9	2.3	3	5	1.7		14	2.8	3	8
German.....	2	4	2.0	5	10	2.0	6	11	1.8	2	27	3.0	2	11
Irish.....				2	2	1.0	3	9	3.0	3	14	3.5		4
Scotch.....	1	2	2.0				1	1	1.0		3	3.0	1	2
Total.....	3	6	2.0	11	21	1.9	13	26	2.0	5	58	3.1	6	25
<i>Germany.</i>														
German.....	2	2	1.0	1	4	4.0	7	16	2.3	4	26	2.9	1	10
Polish.....	4	7	1.8				20	41	2.1	24	72	3.1	2	25
Total.....	6	9	1.5	1	4	4.0	27	57	2.1	28	98	3.1	3	35
<i>Gt. Britain.</i>														
English.....	16	23	1.4	31	75	2.4	33	59	1.8	1	158	3.9	4	45
Irish.....	5	8	1.6	7	12	1.7	7	9	1.3		29	3.2	2	11
Scotch.....	38	65	1.7	63	163	2.6	54	88	1.6	2	318	4.0	8	87
Welsh.....	12	17	1.4	10	19	1.9	8	8	1.0		44	2.4	5	23
Total.....	71	113	1.6	111	269	2.4	102	164	1.6	3	549	3.7	19	166



TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## B.—SUMMARY OF SOURCES OF INCOME.

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands.	Wives.	Children.	Boarders.	Husbands.	Wives.	Children.	Boarders.	Average.	
<i>Alabama.</i>												
American..	2	3.5	2	.....	.....	.....	\$350.00	.....	.....	.....	\$350.00	\$100.00
Total ..	2	3.5	2	.....	.....	.....	350.00	.....	.....	.....	350.00	100.00
<i>Illinois.</i>												
American..	13	4.6	13	.....	.....	a 3	774.38	.....	.....	a \$172.33	814.15	176.40
Austrian ..	1	5.0	1	.....	.....	.....	600.00	.....	.....	.....	600.00	120.00
Danish ....	1	3.0	1	.....	.....	.....	600.00	.....	.....	.....	600.00	200.00
English....	3	3.0	2	.....	.....	.....	554.83	.....	.....	.....	554.83	184.94
German ....	8	4.6	8	.....	.....	1	606.04	.....	.....	182.00	629.39	136.08
Irish .....	9	5.0	9	.....	3	.....	670.86	.....	\$400.87	.....	804.49	160.90
Norwegian ..	1	4.0	1	.....	.....	.....	620.00	.....	.....	.....	620.00	155.00
Scotch .....	1	4.0	1	.....	.....	.....	694.16	.....	.....	.....	694.16	173.54
Swedish ....	1	3.0	1	.....	.....	.....	420.00	.....	.....	.....	420.00	140.00
Total ..	33	4.5	33	.....	3	4	672.54	.....	400.87	174.75	722.58	161.52
<i>New York.</i>												
American..	15	4.7	15	2	3	b 3	390.65	\$125.00	121.67	b 70.00	445.65	95.50
Canadian ..	1	4.0	1	.....	.....	.....	800.00	.....	.....	.....	800.00	200.00
English....	6	4.2	6	.....	.....	c 3	658.33	.....	.....	c 112.00	714.33	171.44
German ....	1	5.0	1	.....	.....	.....	675.00	.....	.....	.....	675.00	135.00
Irish .....	34	5.3	34	4	15	d 14	309.83	175.50	289.13	d 183.07	533.42	100.76
Polish .....	3	6.0	3	.....	1	c 3	326.83	.....	100.00	c 64.67	424.83	70.81
Scotch .....	1	7.0	1	.....	.....	e 1	230.00	.....	.....	c 50.00	280.00	40.00
Swedish ....	1	6.0	1	.....	1	.....	200.00	.....	150.00	.....	350.00	58.33
Total ..	62	5.1	62	6	20	24	374.67	158.67	247.60	139.71	523.97	103.13
<i>Ohio.</i>												
American..	2	5.0	2	.....	1	.....	809.00	.....	675.00	.....	1,146.50	229.30
German .....	2	3.5	2	.....	.....	.....	1,237.50	.....	.....	.....	1,237.50	353.57
Irish .....	4	5.0	4	.....	1	c 2	608.40	.....	420.00	c 19.25	723.03	144.61
Total ..	8	4.6	8	.....	2	2	815.83	.....	547.50	19.25	957.51	207.03
<i>Pennsylvania.</i>												
American..	36	4.7	36	.....	.....	e 6	766.96	.....	.....	e 135.00	789.46	168.17
Canadian ..	1	5.0	1	.....	.....	.....	432.50	.....	.....	.....	432.50	86.50
English....	6	3.0	6	.....	.....	.....	497.77	.....	.....	.....	497.77	105.92
Irish .....	5	4.6	5	.....	.....	.....	468.44	.....	.....	.....	468.44	101.83
Total ..	48	4.5	48	.....	.....	6	695.25	.....	.....	135.00	712.12	158.99
<i>W. Virginia</i>												
American..	8	4.1	8	.....	.....	e 3	710.86	.....	.....	e 200.33	785.99	190.54
German .....	11	4.8	11	.....	2	f 2	532.37	.....	241.50	f 305.50	631.83	131.13
Irish .....	4	5.5	4	.....	.....	1	841.50	.....	.....	192.00	889.50	161.73
Scotch .....	2	3.5	2	.....	1	.....	787.50	.....	574.00	.....	1,074.50	307.00
Total ..	25	4.6	25	.....	3	6	650.36	.....	352.33	234.00	757.80	164.74

a Including two families with an average income of \$30.50 from sources not presented.

b Including two families with an average income of \$45 from sources not presented.

c Income from sources not presented.

d Including seven families with an average income of \$42.14 from sources not presented.

e Including one family with an income of \$25 from sources not presented.

f Including one family with an income of \$35 from sources not presented.

TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE,  
BY NATIONALITIES—Continued.

## B.—SUMMARY OF SOURCES OF INCOME—Concluded.

Nationality of husband.	Families—						Income—					
	Total.	Aver- age size.	With income from—				Per family from—					Per indi- vidual.
			Hus- bands	Wives.	Chil- dren.	Board- ers.	Hus- bands.	Wives.	Chil- dren.	Board- ers.	Aver- age.	
<i>Germany.</i>												
German ...	10	4.8	10	.....	2	a 1	\$242.50	.....	\$42.49	a \$23.80	\$253.37	\$52.79
Polish .....	25	4.9	25	.....	4	b 3	227.85	.....	103.14	b 37.29	248.83	50.58
<b>Total ..</b>	<b>35</b>	<b>4.9</b>	<b>35</b>	<b>.....</b>	<b>6</b>	<b>4</b>	<b>232.04</b>	<b>.....</b>	<b>82.92</b>	<b>33.92</b>	<b>250.13</b>	<b>51.20</b>
<i>Gt. Britain.</i>												
English.....	45	5.5	45	.....	16	a 4	433.20	.....	142.44	a 36.92	487.12	88.75
Irish .....	11	4.5	11	.....	5	a 4	367.14	.....	219.97	a 43.80	483.06	108.27
Scotch .....	87	5.6	87	1	38	a 31	574.92	\$486.65	223.35	a 56.83	698.32	123.73
Welsh .....	23	3.9	23	.....	12	a 5	319.51	.....	175.84	a 69.88	426.44	108.98
<b>Total ..</b>	<b>166</b>	<b>5.3</b>	<b>166</b>	<b>1</b>	<b>71</b>	<b>44</b>	<b>487.34</b>	<b>486.65</b>	<b>196.85</b>	<b>55.32</b>	<b>589.13</b>	<b>111.88</b>

a Income from sources not presented.

b Including two families with an average income of \$13.09 from sources not presented.

**TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.****C.—SUMMARY OF EXPENDITURE FOR RENT.**

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>Alabama.</i>								
American.....	2	3.5	.....	2	3.0	.....	\$60.00	\$17.14
Total .....	2	3.5	.....	2	3.0	.....	60.00	17.14
<i>Illinois.</i>								
American.....	13	4.6	.....	13	4.5	.....	104.31	22.60
Austrian.....	1	5.0	.....	1	4.0	.....	96.00	19.20
Danish.....	1	3.0	.....	1	3.0	.....	84.00	28.00
English.....	3	3.0	.....	3	3.7	.....	88.00	29.33
German.....	8	4.6	.....	8	3.9	.....	89.25	19.30
Irish.....	9	5.0	.....	9	4.1	.....	90.00	18.00
Norwegian.....	1	4.0	.....	1	4.0	.....	90.00	22.50
Scotch.....	1	4.0	.....	1	4.0	.....	84.00	21.00
Swedish.....	1	3.0	1	.....	.....	.....	.....	.....
Total .....	38	4.5	1	37	4.1	.....	94.54	20.95
<i>New York.</i>								
American.....	15	4.7	1	14	4.4	.....	83.57	18.28
Canadian.....	1	4.0	.....	1	6.0	.....	96.00	24.00
English.....	6	4.2	4	1	5.0	1	81.00	14.00
German.....	1	5.0	.....	1	7.0	.....	120.00	24.00
Irish.....	34	5.3	5	29	4.6	.....	85.59	16.12
Polish.....	3	6.0	1	2	3.0	.....	63.00	10.50
Scotch.....	1	7.0	.....	1	3.0	.....	48.00	6.86
Swedish.....	1	6.0	.....	1	3.0	.....	66.00	11.00
Total .....	62	5.1	11	50	4.5	1	83.84	16.25
<i>Ohio.</i>								
American.....	2	5.0	1	1	5.0	.....	96.00	48.00
German.....	2	3.5	1	1	5.0	.....	38.00	17.60
Irish.....	4	5.0	3	1	6.0	.....	84.00	42.00
Total .....	8	4.6	5	3	5.3	.....	89.33	29.78
<i>Pennsylvania.</i>								
American.....	36	4.7	10	23	6.2	3	71.33	15.33
Canadian.....	1	5.0	.....	1	5.0	.....	75.00	15.00
English.....	6	3.0	.....	6	5.3	.....	62.83	20.94
Irish.....	5	4.6	.....	5	6.2	.....	75.40	16.89
Total .....	48	4.5	10	35	6.0	3	70.62	16.07
<i>West Virginia.</i>								
American.....	8	4.1	.....	8	3.8	.....	103.00	24.97
German.....	11	4.8	1	10	3.5	.....	102.00	21.70
Irish.....	4	5.5	.....	4	4.3	.....	127.00	23.09
Scotch.....	2	3.5	.....	2	3.5	.....	99.00	28.29
Total .....	25	4.6	1	24	3.7	.....	106.25	23.39
<i>Germany.</i>								
German.....	10	4.8	.....	10	1.9	.....	9.11	1.90
Polish.....	25	4.9	.....	23	2.0	2	9.93	2.02
Total .....	35	4.9	.....	33	2.0	2	9.70	1.99
<i>Great Britain.</i>								
English.....	45	5.5	6	39	4.3	.....	50.70	9.24
Irish.....	11	4.5	.....	8	3.9	3	45.10	9.92
Scotch.....	87	5.6	1	80	4.1	56	51.08	9.09
Welsh.....	23	3.9	3	20	4.2	.....	33.51	8.94
Total .....	166	5.3	10	97	4.2	59	48.31	9.17



TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	2	3.5	2	\$13.50	2	\$17.00	1	\$6.00	2	\$7.00	.....	.....	2	\$5.00
Total...	2	3.5	2	13.50	2	17.00	1	6.00	2	7.00	.....	.....	2	5.00
<i>Illinois.</i>														
American...	13	4.6	.....	.....	4	11.53	12	107.77	3	11.99	1	\$11.52	6	13.60
Austrian...	1	5.0	.....	.....	.....	.....	1	30.00	.....	.....	.....	.....	.....	.....
Danish...	1	3.0	.....	.....	.....	.....	1	75.00	.....	.....	.....	.....	.....	.....
English...	3	3.0	.....	.....	.....	.....	2	89.50	.....	.....	.....	.....	.....	.....
German...	8	4.6	.....	.....	1	4.80	4	88.48	.....	.....	.....	.....	2	20.40
Irish...	9	5.0	.....	.....	4	7.25	8	127.62	1	21.60	2	18.00	4	25.80
Norwegian...	1	4.0	.....	.....	1	12.00	1	147.00	1	7.20	.....	.....	1	9.00
Scotch...	1	4.0	.....	.....	1	3.60	1	108.00	.....	.....	1	7.56	1	14.40
Swedish...	1	3.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total...	38	4.5	.....	.....	11	8.68	30	106.90	5	12.95	4	13.77	14	17.79
<i>New York.</i>														
American...	15	4.7	15	37.33	14	21.14	12	22.08	.....	.....	11	2.60	13	5.09
Canadian...	1	4.0	1	30.00	1	35.00	1	20.00	.....	.....	1	9.20	1	5.00
English...	6	4.2	6	41.67	5	23.20	5	30.00	.....	.....	2	4.45	6	6.33
German...	1	5.0	1	40.00	1	32.00	.....	.....	.....	.....	1	3.65	1	10.00
Irish...	34	5.3	34	43.74	29	18.97	33	30.49	.....	.....	25	3.59	33	6.39
Polish...	3	6.0	3	40.33	3	34.27	2	20.00	.....	.....	1	5.00	2	6.00
Scotch...	1	7.0	1	16.00	1	27.00	1	8.00	.....	.....	1	1.50	1	1.50
Swedish...	1	6.0	1	18.00	1	17.10	1	20.00	.....	.....	.....	.....	.....	.....
Total...	62	5.1	62	40.68	55	21.38	55	27.44	.....	.....	42	3.49	57	6.03
<i>Ohio.</i>														
American...	2	5.0	.....	.....	.....	.....	2	82.53	.....	.....	2	5.22	2	4.64
German...	2	3.5	.....	.....	.....	.....	2	71.00	.....	.....	2	3.23	2	4.80
Irish...	4	5.0	.....	.....	.....	.....	4	93.31	.....	.....	4	9.57	2	7.68
Total...	8	4.6	.....	.....	.....	.....	8	85.03	.....	.....	8	6.90	6	5.71
<i>Pennsylvania.</i>														
American...	36	4.7	.....	.....	.....	.....	36	74.69	.....	.....	23	9.73	23	4.15
Canadian...	1	5.0	.....	.....	.....	.....	1	64.40	.....	.....	1	9.60	1	3.60
English...	6	3.0	.....	.....	.....	.....	6	62.16	.....	.....	6	8.36	6	3.74
Irish...	5	4.6	.....	.....	.....	.....	5	69.78	.....	.....	5	9.48	5	3.22
Total...	48	4.5	.....	.....	.....	.....	48	72.40	.....	.....	35	9.46	35	3.93
<i>W. Virginia.</i>														
American...	8	4.1	.....	.....	.....	.....	8	75.63	.....	.....	8	4.01	6	6.21
German...	11	4.8	.....	.....	.....	.....	11	69.82	.....	.....	8	4.66	10	7.85
Irish...	4	5.5	.....	.....	.....	.....	4	64.80	.....	.....	4	3.01	3	16.90
Scotch...	2	3.5	.....	.....	.....	.....	2	89.00	.....	.....	2	7.40	2	15.66
Total...	25	4.6	.....	.....	.....	.....	25	72.41	.....	.....	22	4.38	21	9.42
<i>Germany.</i>														
German...	10	4.8	.....	.....	8	10.64	10	33.75	.....	.....	6	2.76	.....	.....
Polish...	25	4.9	.....	.....	24	10.56	25	29.10	.....	.....	15	2.44	4	3.81
Total...	35	4.9	.....	.....	32	10.58	35	30.43	.....	.....	21	2.53	4	3.81
<i>Gt. Britain.</i>														
English...	45	5.5	.....	.....	17	16.08	43	56.60	.....	.....	6	6.33	23	9.30
Irish...	11	4.5	.....	.....	7	19.51	11	50.04	.....	.....	6	21.09	7	14.32
Scotch...	87	5.6	.....	.....	81	20.06	87	91.93	.....	.....	77	14.58	78	16.77
Welsh...	23	3.9	.....	.....	7	17.10	22	55.93	.....	.....	.....	.....	7	7.27
Total...	166	5.3	.....	.....	112	19.24	163	74.92	.....	.....	89	14.46	115	14.55

TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	2	3.5	.....	.....	2	\$0.28	.....	.....	1	\$1.95	2	\$1.88	2	\$7.50
Total...	2	3.5	.....	.....	2	.88	.....	.....	1	1.95	2	1.88	2	7.50
<i>Illinois.</i>														
American...	13	4.6	12	\$21.08	11	29.47	.....	.....	6	17.23	12	16.15	12	18.10
Austrian...	1	5.0	1	7.32	1	26.00	.....	.....	.....	.....	.....	.....	1	24.00
Danish...	1	3.0	1	16.60	1	37.50	.....	.....	.....	.....	.....	.....	.....	.....
English...	3	3.0	2	15.60	2	33.31	1	\$9.36	1	12.50	.....	.....	2	18.86
German...	8	4.6	4	18.24	3	16.40	.....	.....	1	13.00	4	14.75	4	22.77
Irish...	9	5.0	8	14.08	7	39.79	.....	.....	3	19.40	4	23.26	7	25.10
Norwegian...	1	4.0	1	16.80	1	36.00	.....	.....	.....	.....	1	28.80	1	14.40
Scotch...	1	4.0	1	24.00	1	24.00	.....	.....	1	12.00	1	6.72	1	33.60
Swedish...	1	3.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total...	38	4.5	30	17.82	27	31.19	1	9.36	12	16.59	22	17.34	28	21.20
<i>New York.</i>														
American...	15	4.7	12	14.33	15	32.65	9	2.15	15	10.27	12	5.98	15	20.38
Canadian...	1	4.0	1	9.00	1	37.50	1	2.40	1	15.00	.....	.....	1	21.60
English...	6	4.2	6	17.33	6	29.58	3	2.79	6	12.00	5	3.94	6	22.70
German...	1	5.0	1	20.00	1	23.00	1	3.20	1	5.00	1	15.00	1	31.50
Irish...	34	5.3	27	15.22	32	34.51	15	3.40	24	13.82	21	11.13	34	29.27
Polish...	3	6.0	3	12.00	3	30.00	1	2.80	2	12.00	3	5.30	3	19.17
Scotch...	1	7.0	.....	.....	1	10.00	1	1.80	1	12.00	.....	.....	1	24.00
Swedish...	1	6.0	1	8.00	1	10.00	.....	.....	1	3.50	1	6.00	1	13.50
Total...	62	5.1	51	14.90	60	32.37	31	2.87	61	12.38	43	8.42	62	25.56
<i>Ohio.</i>														
American...	2	5.0	2	16.41	2	52.45	.....	.....	2	4.25	2	5.26	2	12.93
German...	2	3.5	2	11.46	2	44.63	.....	.....	2	7.95	2	4.06	2	10.45
Irish...	4	5.0	3	15.64	3	47.01	.....	.....	4	9.65	2	4.58	4	16.52
Total...	8	4.6	7	14.67	7	47.90	.....	.....	8	7.88	6	4.63	8	14.10
<i>Pennsylvania.</i>														
American...	36	4.7	26	11.74	26	16.88	22	3.26	34	12.94	35	11.59	33	18.26
Canadian...	1	5.0	1	11.40	1	12.00	1	2.00	1	15.00	1	12.00	1	9.76
English...	6	3.0	6	8.67	6	14.70	6	2.50	6	17.17	6	8.20	6	10.51
Irish...	5	4.6	5	9.73	5	14.40	5	2.80	5	17.20	5	8.22	5	19.54
Total...	48	4.5	38	10.98	38	16.03	38	3.02	43	14.00	47	10.81	45	17.98
<i>W. Virginia.</i>														
American...	8	4.1	7	17.66	8	33.14	3	7.30	8	2.51	8	9.88	8	10.27
German...	11	4.8	8	19.08	11	34.21	2	3.78	7	2.26	11	13.07	11	10.91
Irish...	4	5.5	2	15.52	4	36.75	.....	.....	4	7.00	4	7.63	4	11.70
Scotch...	2	3.5	2	20.60	2	31.75	.....	.....	2	3.50	2	12.50	2	15.20
Total...	25	4.6	20	18.20	25	34.08	5	5.89	21	3.38	25	11.13	25	11.18
<i>Germany.</i>														
German...	10	4.8	8	10.00	6	11.58	.....	.....	.....	.....	10	6.80	10	8.13
Polish...	25	4.9	25	7.92	16	6.50	.....	.....	.....	.....	25	6.10	25	8.64
Total...	35	4.9	33	8.43	22	7.95	.....	.....	.....	.....	35	6.30	35	8.49
<i>Gt. Britain.</i>														
English...	45	5.5	41	11.88	41	24.81	2	11.07	41	16.38	4	6.75	40	8.23
Irish...	11	4.5	10	15.24	11	23.20	2	4.99	11	14.98	3	3.78	11	8.18
Scotch...	87	5.6	84	21.51	87	35.46	9	5.98	85	17.03	51	6.03	87	10.02
Welsh...	23	3.9	18	7.12	22	25.44	1	6.33	21	17.25	.....	.....	21	6.78
Total...	166	5.3	153	16.83	161	30.55	14	6.59	158	16.74	58	5.97	159	9.01

TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<b>Alabama.</b>														
American...	2	3.5	2	\$2.93	2	\$11.25	2	\$36.60	.....	.....	.....	.....	.....	.....
Total ...	2	3.5	2	2.93	2	11.25	2	36.60	.....	.....	.....	.....	.....	.....
<b>Illinois.</b>														
American...	13	4.6	6	3.73	7	8.66	12	26.40	1	\$43.20	.....	.....	4	\$10.50
Austrian ...	1	5.0	.....	.....	1	16.00	1	40.00	.....	.....	.....	.....	1	20.00
Danish ...	1	3.0	.....	.....	1	4.00	1	18.00	.....	.....	.....	.....	1	10.00
English ...	3	3.0	.....	.....	2	6.24	2	24.50	.....	.....	.....	.....	1	48.00
German ...	8	4.6	.....	.....	2	14.40	4	23.56	1	26.00	.....	.....	2	11.00
Irish ...	9	5.0	3	7.13	7	9.15	7	49.40	2	14.55	.....	.....	.....	.....
Norwegian ...	1	4.0	1	3.60	1	12.00	1	18.00	.....	.....	.....	.....	.....	.....
Scotch ...	1	4.0	1	4.80	1	4.80	1	27.00	.....	.....	.....	.....	.....	.....
Swedish ...	1	3.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total ...	38	4.5	11	4.74	22	9.21	29	31.33	4	24.58	.....	.....	9	15.78
<b>New York.</b>														
American...	15	4.7	2	1.00	8	2.41	15	24.53	11	18.46	.....	.....	6	3.42
Canadian ...	1	4.0	1	1.00	1	6.00	1	30.00	1	2.00	.....	.....	1	2.50
English ...	6	4.2	.....	.....	6	2.02	6	23.50	5	1.82	.....	.....	3	3.17
German ...	1	5.0	.....	.....	1	3.75	1	26.08	1	2.00	.....	.....	1	2.00
Irish ...	34	5.3	5	1.80	30	3.05	33	35.21	28	16.68	4	\$1.05	10	3.73
Polish ...	3	6.0	.....	.....	3	2.00	3	23.00	2	30.00	1	.80	.....	.....
Scotch ...	1	7.0	.....	.....	1	1.20	1	10.00	1	6.00	.....	.....	.....	.....
Swedish ...	1	6.0	.....	.....	1	1.00	1	39.50	.....	.....	.....	.....	.....	.....
Total ...	62	5.1	8	1.50	51	2.76	61	30.25	49	15.29	5	1.00	21	3.42
<b>Ohio.</b>														
American...	2	5.0	2	1.90	2	6.45	2	32.75	2	3.40	.....	.....	1	3.00
German ...	2	3.5	2	1.35	2	6.60	2	14.46	2	1.52	.....	.....	2	8.63
Irish ...	4	5.0	1	2.00	3	6.47	4	31.98	3	3.60	.....	.....	4	11.27
Total ...	8	4.6	5	1.70	7	6.50	8	27.79	7	2.95	.....	.....	7	9.33
<b>Pennsylvania.</b>														
American...	36	4.7	24	2.24	23	4.63	36	25.20	23	2.03	.....	.....	29	5.09
Canadian ...	1	5.0	1	3.25	1	4.50	1	21.24	1	3.06	.....	.....	1	3.20
English ...	6	3.0	6	2.38	6	4.40	6	17.71	6	1.44	.....	.....	6	3.07
Irish ...	5	4.6	5	2.83	5	4.56	5	18.74	5	1.79	.....	.....	5	3.20
Total ...	48	4.5	36	2.11	35	4.57	48	23.51	35	1.92	.....	.....	41	4.52
<b>W. Virginia.</b>														
American...	8	4.1	5	1.28	8	5.51	7	21.39	8	5.10	.....	.....	6	7.40
German ...	11	4.8	5	2.96	11	4.30	11	24.44	10	2.83	.....	.....	8	6.91
Irish ...	4	5.5	2	4.00	4	5.75	4	24.21	2	2.00	.....	.....	4	8.61
Scotch ...	2	3.5	2	4.40	2	5.25	2	30.45	1	1.20	.....	.....	1	19.74
Total ...	25	4.6	14	2.71	25	5.00	24	24.01	21	3.54	.....	.....	19	8.10
<b>Germany.</b>														
German ...	10	4.8	.....	.....	.....	.....	9	4.01	10	28.50	1	1.90	4	1.48
Polish ...	25	4.9	.....	.....	.....	.....	25	4.24	25	32.80	5	1.84	9	2.24
Total ...	35	4.9	.....	.....	.....	.....	34	4.18	35	31.57	6	1.85	13	2.01
<b>Gt. Britain.</b>														
English ...	45	5.5	1	3.16	23	5.23	38	33.40	13	16.19	.....	.....	2	11.19
Irish ...	11	4.5	.....	.....	3	5.03	11	26.54	2	6.33	.....	.....	.....	.....
Scotch ...	87	5.6	2	2.13	3	4.22	86	27.62	31	23.29	.....	.....	25	8.55
Welsh ...	23	3.9	1	1.82	6	3.45	20	29.97	9	14.00	.....	.....	.....	.....
Total ...	166	5.3	4	2.31	35	4.82	155	29.26	55	19.48	.....	.....	27	8.74



TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>Alabama.</i>												
American...	2	3.5	2	\$3.00	2	\$3.15	.....	.....	2	\$14.00	\$127.65	\$36.47
Total...	2	3.5	2	3.00	2	3.15	.....	.....	2	14.00	127.65	36.47
<i>Illinois.</i>												
American...	13	4.6	11	10.52	6	9.25	.....	.....	13	42.82	290.21	62.88
Austrian...	1	5.0	1	20.00	1	20.00	.....	.....	1	32.00	215.32	43.06
Danish...	1	3.0	1	8.00	1	20.00	.....	.....	1	30.00	229.10	76.37
English...	3	3.0	2	9.25	2	4.00	.....	.....	3	114.00	258.79	86.26
German...	8	4.6	2	7.25	2	9.30	.....	.....	8	203.88	318.20	68.80
Irish...	9	5.0	6	11.20	7	11.14	.....	.....	9	64.56	348.60	69.72
Norwegian...	1	4.0	1	15.00	.....	.....	.....	.....	1	15.00	334.80	83.70
Scotch...	1	4.0	1	3.00	1	4.80	.....	.....	1	12.00	290.28	72.57
Swedish...	1	3.0	.....	.....	.....	.....	.....	.....	1	240.00	240.00	80.00
Total...	33	4.5	25	10.48	20	10.25	.....	.....	38	90.52	303.73	67.89
<i>New York.</i>												
American...	15	4.7	15	8.51	13	4.12	.....	.....	15	19.72	234.54	50.26
Canadian...	1	4.0	1	7.00	1	1.80	.....	.....	1	30.00	265.00	66.25
English...	6	4.2	6	6.38	6	2.67	.....	.....	6	26.39	244.16	58.60
German...	1	5.0	1	8.00	1	2.00	.....	.....	1	20.50	247.60	49.52
Irish...	34	5.3	34	9.66	33	4.05	.....	.....	34	22.70	282.75	53.41
Polish...	3	6.0	3	8.50	3	5.25	.....	.....	3	20.30	248.32	41.39
Scotch...	1	7.0	1	3.00	1	6.00	.....	.....	1	15.00	143.00	20.43
Swedish...	1	6.0	1	9.00	1	5.20	.....	.....	1	18.00	168.80	28.13
Total...	62	5.1	62	8.82	59	3.96	.....	.....	62	22.10	260.74	51.32
<i>Ohio.</i>												
American...	2	5.0	2	6.60	2	6.88	2	\$1.58	2	5.28	250.07	50.01
German...	2	3.5	2	8.40	1	2.00	2	1.45	1	5.00	203.53	58.15
Irish...	4	5.0	4	6.08	4	9.83	4	2.50	4	26.48	278.36	55.67
Total...	8	4.6	8	6.79	7	7.86	8	2.01	7	17.38	252.58	54.61
<i>Pennsylvania.</i>												
American...	36	4.7	35	8.04	35	8.48	.....	.....	36	33.21	230.77	49.16
Canadian...	1	5.0	1	7.00	1	4.51	.....	.....	1	28.00	214.52	42.90
English...	6	3.0	6	4.67	6	3.93	.....	.....	6	40.17	219.75	73.25
Irish...	5	4.6	5	5.04	5	4.31	.....	.....	5	36.00	230.82	50.18
Total...	48	4.5	47	7.27	47	7.37	.....	.....	48	34.26	229.06	51.14
<i>W. Virginia.</i>												
American...	8	4.1	8	8.46	8	10.76	7	.95	7	3.86	217.38	52.79
German...	11	4.8	11	7.37	11	10.67	11	1.60	10	3.93	215.42	44.71
I.....	4	5.5	4	8.38	4	9.50	4	1.00	4	3.63	219.27	39.87
Scotch...	2	3.5	2	12.73	2	14.20	2	1.30	1	2.00	275.41	78.69
Total...	25	4.6	25	8.31	25	10.79	24	1.28	22	3.76	221.46	48.14
<i>Germany.</i>												
German...	10	4.8	8	6.80	9	3.36	3	2.19	10	9.17	124.96	26.03
Polish...	25	4.9	25	9.01	24	5.24	5	2.53	25	8.66	129.63	26.35
Total...	35	4.9	33	8.48	33	4.73	8	2.41	35	8.80	128.29	26.26
<i>Gt. Britain.</i>												
English...	45	5.5	41	10.97	22	4.07	.....	.....	44	38.62	208.38	37.96
Irish...	11	4.5	11	11.44	8	8.79	.....	.....	11	32.66	224.86	49.47
Scotch...	87	5.6	87	9.37	82	14.02	.....	.....	87	52.47	338.90	60.05
Welsh...	23	3.9	21	10.29	5	2.58	.....	.....	22	30.60	184.78	47.22
Total...	166	5.3	160	10.05	117	11.30	.....	.....	164	44.49	274.60	51.92

TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	2	3.5	2	\$18.25	2	\$2.50	2	\$30.00	2	\$25.00	1	\$40.00
Total...	2	3.5	2	18.25	2	2.50	2	30.00	2	25.00	1	40.00
<i>Illinois.</i>												
American...	13	4.6	13	41.46	13	3.64	13	41.15	13	28.85	13	33.85
Austrian...	1	5.0	1	36.00	1	4.50	1	50.00	1	12.00	1	25.00
Danish...	1	3.0	1	35.00	1	5.00	1	35.00	1	25.00	1	10.00
English...	3	3.0	3	35.33	3	5.23	3	32.00	3	25.00	3	9.33
German...	8	4.6	8	36.31	8	2.59	8	42.50	8	30.00	8	23.75
Irish...	9	5.0	9	40.22	9	4.67	9	45.00	8	30.63	5	77.00
Norwegian...	1	4.0	1	26.00	1	2.40	1	25.00	1	20.00	1	40.00
Scotch...	1	4.0	1	32.50	1	2.40	1	45.00	1	20.00	1	12.00
Swedish...	1	3.0	1	30.00	1	1.20	1	30.00	1	30.00		
Total...	38	4.5	38	38.45	38	3.72	38	41.08	37	28.16	33	35.45
<i>New York.</i>												
American...	15	4.7	15	29.43	15	4.85	15	25.13	15	11.67	14	37.79
Canadian...	1	4.0	1	36.00	1	3.00	1	40.00	1	20.00	1	50.00
English...	6	4.2	6	33.08	6	6.62	6	46.67	6	21.67	6	53.33
German...	1	5.0	1	30.00	1	3.00	1	50.00	1	20.00	1	30.00
Irish...	34	5.3	34	33.21	34	3.28	34	29.79	32	17.00	26	76.92
Polish...	3	6.0	3	12.00	3	2.00	3	26.67	3	11.00	3	43.33
Scotch...	1	7.0	1	24.00	1	2.00	1	10.00	1	6.00	1	20.00
Swedish...	1	6.0	1	15.00	1	2.00	1	10.00	1	6.00	1	50.00
Total...	62	5.1	62	30.81	62	3.87	62	30.00	60	15.57	53	59.04
<i>Ohio.</i>												
American...	2	5.0	2	33.50	2	4.10	2	42.50	2	50.00	1	325.00
German...	2	3.5	2	29.13	2	4.25	2	62.50	2	67.50	1	45.00
Irish...	4	5.0	4	33.38	4	4.93	4	33.75	4	34.25	3	197.67
Total...	8	4.6	8	32.34	8	4.55	8	43.13	8	46.50	5	192.60
<i>Pennsylvania.</i>												
American...	36	4.7	36	18.18	34	6.43	36	26.79	36	21.97	35	35.10
Canadian...	1	5.0	1	20.00	1	8.00	1	16.00	1	17.00	1	36.00
English...	6	3.0	6	19.33	6	7.42	6	15.25	6	19.17	3	32.67
Irish...	5	4.6	5	22.10	5	7.17	5	14.60	5	15.80	4	42.00
Total...	48	4.5	48	18.77	46	6.68	48	23.85	48	20.83	43	35.59
<i>W. Virginia.</i>												
American...	8	4.1	6	27.08	8	2.69	8	49.63	8	46.88	5	71.00
German...	11	4.8	10	27.27	11	4.63	11	45.73	11	23.18	9	62.56
Irish...	4	5.5	4	24.38	4	4.13	4	41.25	4	23.75	4	75.00
Scotch...	2	3.5	2	27.00	2	3.51	2	65.00	2	35.00	1	125.00
Total...	25	4.6	22	26.67	25	3.86	25	47.80	25	31.80	19	70.68
<i>Germany.</i>												
German...	10	4.8	10	9.17	10	3.05	10	24.59	10	11.67	8	13.98
Polish...	25	4.9	25	8.57	25	2.16	25	24.26	24	10.84	23	11.78
Total...	35	4.9	35	8.74	35	2.42	35	24.35	34	11.08	31	12.35
<i>Gt. Britain.</i>												
English...	45	5.5	45	25.25	45	4.97	45	24.55	44	23.12	41	38.99
Irish...	11	4.5	11	17.25	11	6.11	11	23.45	10	24.09	9	38.66
Scotch...	87	5.6	87	13.40	87	8.08	87	26.56	86	24.83	79	55.93
Welsh...	23	3.9	23	24.18	23	5.19	23	29.06	23	21.58	18	34.61
Total...	166	5.3	166	18.36	166	6.71	166	25.32	163	23.86	147	47.54

TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American ..	2	3.5	2	\$3.50	.....	.....	.....	.....	.....	.....	.....	.....
Total ...	2	3.5	2	3.50	.....	.....	.....	.....	.....	.....	.....	.....
<i>Illinois.</i>												
American ..	13	4.6	1	2.00	1	\$2.50	3	\$23.93	8	\$3.50	3	\$5.33
Austrian ..	1	5.0	.....	.....	.....	.....	1	8.50	1	4.00	.....	.....
Danish ..	1	3.0	.....	.....	.....	.....	1	8.00	1	4.00	.....	.....
English ..	3	3.0	.....	.....	.....	.....	.....	.....	3	3.50	1	24.00
German ..	8	4.6	.....	.....	.....	.....	.....	.....	5	3.24	2	6.00
Irish ..	9	5.0	.....	.....	.....	.....	1	21.00	8	3.13	1	6.00
Norwegian ..	1	4.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Scotch ..	1	4.0	.....	.....	.....	.....	.....	.....	1	3.00	.....	.....
Swedish ..	1	3.0	1	3.20	.....	.....	.....	.....	1	3.00	.....	.....
Total ...	38	4.5	2	2.60	1	2.50	6	18.22	28	3.35	7	8.29
<i>New York.</i>												
American ..	15	4.7	1	12.00	1	8.00	4	12.75	.....	.....	5	5.52
Canadian ..	1	4.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
English ..	6	4.2	3	24.67	3	7.92	3	25.67	.....	.....	2	9.00
German ..	1	5.0	.....	.....	1	2.50	1	20.80	1	10.50	.....	.....
Irish ..	34	5.3	6	28.00	6	9.62	13	22.98	.....	.....	3	4.67
Polish ..	3	6.0	1	18.00	1	2.35	1	2.60	.....	.....	.....	.....
Scotch ..	1	7.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Swedish ..	1	6.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total ...	62	5.1	11	24.73	12	7.94	22	20.46	1	10.50	10	5.96
<i>Ohio.</i>												
American ..	2	5.0	1	19.00	1	9.00	1	12.00	.....	.....	.....	.....
German ..	2	3.5	1	17.00	2	8.25	1	24.00	.....	.....	1	6.50
Irish ..	4	5.0	3	18.00	2	6.95	3	21.20	1	6.00	1	12.00
Total ...	8	4.6	5	18.00	5	7.88	5	19.92	1	6.00	2	9.25
<i>Pennsylvania.</i>												
American ..	36	4.7	13	16.20	7	18.50	12	15.04	15	6.80	14	11.61
Canadian ..	1	5.0	.....	.....	.....	.....	.....	.....	.....	.....	1	12.00
English ..	6	3.0	.....	.....	.....	.....	2	12.25	2	7.50	1	12.00
Irish ..	5	4.6	.....	.....	.....	.....	.....	.....	2	7.00	1	9.00
Total ...	48	4.5	12	16.20	7	18.50	14	14.64	19	6.89	17	11.50
<i>W. Virginia.</i>												
American ..	8	4.1	8	3.25	1	5.50	1	25.00	2	4.50	1	4.25
German ..	11	4.8	11	3.86	2	3.75	3	31.33	1	4.00	1	12.00
Irish ..	4	5.5	4	3.00	1	2.00	1	32.00	.....	.....	.....	.....
Scotch ..	2	3.5	1	3.00	.....	.....	.....	.....	1	6.00	.....	.....
Total ...	25	4.6	24	3.48	4	3.75	5	30.20	4	4.75	2	8.13
<i>Germany.</i>												
German ..	10	4.8	8	2.33	.....	.....	.....	.....	.....	.....	2	3.85
Polish ..	25	4.9	23	1.95	1	.78	.....	.....	.....	.....	8	1.30
Total ...	35	4.9	31	2.04	1	.78	.....	.....	.....	.....	10	1.81
<i>Gt. Britain.</i>												
English ..	45	5.5	7	26.42	2	24.34	16	8.28	15	3.70	43	8.69
Irish ..	11	4.5	6	7.99	.....	.....	4	2.54	7	9.16	6	5.86
Scotch ..	87	5.6	81	6.71	4	1.83	50	3.29	53	10.01	26	4.17
Welsh ..	23	3.9	3	4.10	1	1.46	5	5.46	5	5.65	20	8.22
Total ...	166	5.3	97	8.13	7	8.20	75	4.46	80	8.48	95	7.18



TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	2	3.5	1	\$3.00	1	\$0.50	2	\$7.00	-----	-----	1	\$6.00
Total...	2	3.5	1	3.00	1	.50	2	7.00	-----	-----	1	6.00
<i>Illinois.</i>												
American...	13	4.6	8	7.00	10	3.30	7	35.00	13	\$7.44	12	14.92
Austrian...	1	5.0	-----	-----	-----	-----	1	4.00	-----	-----	-----	-----
Danish...	1	3.0	-----	-----	-----	-----	1	4.50	1	3.65	-----	-----
English...	3	3.0	2	6.00	1	3.00	3	11.33	2	5.83	1	10.00
German...	8	4.6	6	8.50	6	3.42	1	40.00	7	4.93	3	9.00
Irish...	9	5.0	9	8.83	5	7.50	5	25.40	8	6.94	4	23.25
Norwegian...	1	4.0	1	4.00	-----	-----	-----	-----	1	3.00	1	4.00
Scotch...	1	4.0	1	5.00	1	2.00	1	25.00	1	3.00	1	2.00
Swedish...	1	3.0	1	7.00	1	2.00	-----	-----	1	4.00	-----	-----
Total...	38	4.5	28	7.66	24	4.03	19	25.24	34	6.23	22	14.86
<i>New York.</i>												
American...	15	4.7	7	5.23	9	2.44	13	7.73	8	4.75	6	2.17
Canadian...	1	4.0	1	12.00	1	2.00	1	5.00	1	3.00	1	1.00
English...	6	4.2	4	8.00	6	2.33	6	71.33	6	5.58	3	2.67
German...	1	5.0	-----	-----	1	5.00	1	4.00	1	6.00	1	4.00
Irish...	34	5.3	25	9.06	15	4.00	30	3.73	19	4.87	10	3.20
Polish...	3	6.0	1	10.00	-----	-----	2	5.00	1	3.00	1	1.50
Scotch...	1	7.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Swedish...	1	6.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total...	62	5.1	38	8.34	32	3.22	53	12.44	36	4.89	22	2.70
<i>Ohio.</i>												
American...	2	5.0	2	9.00	2	3.50	1	400.00	2	5.75	1	15.00
German...	2	3.5	1	12.00	2	5.50	1	40.00	2	10.50	1	15.00
Irish...	4	5.0	4	17.94	1	5.00	1	12.00	3	4.58	-----	-----
Total...	8	4.6	7	14.54	5	4.60	3	150.67	7	6.61	2	15.00
<i>Pennsylvania.</i>												
American...	36	4.7	29	5.97	34	3.09	35	12.71	36	8.33	11	16.36
Canadian...	1	5.0	-----	-----	1	3.00	1	5.00	1	5.00	-----	-----
English...	6	3.0	4	4.50	6	2.50	6	8.00	6	7.00	-----	-----
Irish...	5	4.6	4	6.75	5	3.20	5	5.60	5	6.40	-----	-----
Total...	48	4.5	37	5.89	46	3.02	47	11.19	48	7.89	11	16.36
<i>W. Virginia.</i>												
American...	8	4.1	6	12.42	7	8.71	4	67.00	8	9.62	3	16.67
German...	11	4.8	8	5.38	7	5.14	5	34.40	9	7.32	2	22.50
Irish...	4	5.5	3	8.33	3	3.00	-----	-----	3	4.60	1	52.00
Scotch...	2	3.5	1	10.00	1	2.00	1	16.00	2	5.00	-----	-----
Total...	25	4.6	18	8.47	18	6.00	10	45.60	22	7.57	6	24.50
<i>Germany.</i>												
German.....	10	4.8	6	1.00	6	1.59	8	10.38	6	2.58	7	8.26
Polish.....	25	4.9	13	.95	21	.83	25	8.98	6	1.29	21	5.85
Total...	35	4.9	19	.97	27	1.00	33	9.32	12	1.93	28	6.45
<i>Gt. Britain.</i>												
English.....	45	5.5	16	4.05	19	3.23	26	4.55	37	4.38	25	21.22
Irish.....	11	4.5	10	7.28	5	4.86	7	4.35	9	3.80	9	27.98
Scotch.....	87	5.6	67	8.87	59	6.86	75	10.58	82	6.51	85	34.24
Welsh.....	23	3.9	12	9.20	3	1.78	8	17.94	19	8.29	11	18.96
Total...	166	5.3	105	8.02	86	5.76	116	9.30	147	6.04	130	30.01

TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>Alabama.</i>												
American...	2	3.5	2	\$45.00	2	\$23.00	2	\$15.00	2	\$13.00	\$207.00	\$59.14
Total...	2	3.5	2	45.00	2	23.00	2	15.00	2	13.00	207.00	59.14
<i>Illinois.</i>												
American...	13	4.6	7	28.29	11	10.72	13	22.85	12	20.96	271.60	58.85
Austrian...	1	5.0	1	104.00	1	26.00	.....	.....	1	25.00	299.00	59.80
Danish.....	1	3.0	1	24.00	.....	.....	1	25.00	1	13.50	192.65	64.22
English.....	3	3.0	3	35.42	3	9.00	2	27.50	2	19.75	217.91	72.64
German.....	8	4.6	7	45.25	7	8.80	8	29.38	4	8.25	246.59	53.32
Irish.....	9	5.0	8	38.03	7	10.54	8	46.75	9	15.29	309.46	61.89
Norwegian...	1	4.0	1	18.00	1	2.40	1	10.00	1	9.00	163.80	40.95
Scotch.....	1	4.0	1	24.00	1	12.00	1	100.00	1	6.00	293.90	73.48
Swedish.....	1	3.0	1	36.00	1	4.80	1	10.00	.....	.....	161.20	53.73
Total...	38	4.5	30	37.71	32	10.17	35	31.60	31	16.62	264.55	59.13
<i>New York.</i>												
American...	15	4.7	1	30.00	13	6.25	14	12.71	15	17.33	163.61	35.06
Canadian...	1	4.0	.....	.....	1	6.00	1	5.00	1	20.00	203.00	50.75
English.....	6	4.2	.....	.....	4	7.70	6	27.50	6	26.17	338.21	81.17
German.....	1	5.0	.....	.....	1	10.00	1	5.00	1	20.00	220.80	44.16
Irish.....	34	5.3	14	22.50	32	9.41	33	10.88	34	21.00	222.00	41.93
Polish.....	3	6.0	3	21.33	3	10.67	2	10.00	3	17.33	166.82	27.80
Scotch.....	1	7.0	.....	.....	1	5.00	1	5.00	.....	.....	72.00	10.29
Swedish.....	1	6.0	.....	.....	1	5.00	1	4.50	1	12.00	104.50	17.42
Total...	62	5.1	18	22.72	56	8.41	59	12.57	61	20.25	211.81	41.69
<i>Ohio.</i>												
American...	2	5.0	.....	.....	1	10.20	.....	.....	2	6.43	549.88	109.98
German.....	2	3.5	.....	.....	1	8.40	2	6.00	2	6.25	283.83	81.09
Irish.....	4	5.0	1	6.00	4	12.30	4	33.25	4	5.96	370.56	74.11
Total...	8	4.6	1	6.00	6	11.30	6	24.17	8	6.15	393.71	85.13
<i>Pennsylvania.</i>												
American...	36	4.7	9	4.33	12	14.05	36	15.72	33	37.76	218.01	46.44
Canadian...	1	5.0	.....	.....	1	13.50	1	8.00	1	15.00	158.50	31.70
English.....	6	3.0	3	4.00	5	14.00	5	7.20	6	18.00	144.25	48.08
Irish.....	5	4.6	3	4.67	4	13.50	5	5.00	5	16.80	153.87	33.45
Total...	48	4.5	15	4.33	22	13.91	47	13.51	45	32.29	200.87	44.85
<i>W. Virginia.</i>												
American...	8	4.1	1	100.00	6	13.69	6	55.83	8	26.72	330.26	80.06
German.....	11	4.8	1	12.00	10	9.43	5	31.80	11	14.80	235.93	48.97
Irish.....	4	5.5	1	15.00	4	10.19	3	63.33	4	14.25	280.70	51.04
Scotch.....	2	3.5	1	30.00	2	16.60	2	15.00	2	8.50	271.61	77.60
Total...	25	4.6	4	39.25	22	11.40	16	44.63	25	18.02	276.13	60.03
<i>Germany.</i>												
German.....	10	4.8	10	8.60	9	5.16	10	17.17	10	11.48	121.37	25.29
Polish.....	25	4.9	25	11.18	24	3.95	25	11.29	25	11.19	111.33	22.63
Total...	35	4.9	35	10.44	33	4.28	35	12.97	35	11.27	114.20	23.37
<i>Gt. Britain.</i>												
English.....	45	5.5	29	34.49	34	11.54	38	4.87	3	64.30	190.73	34.75
Irish.....	11	4.5	7	23.71	6	12.83	6	2.34	3	29.69	183.70	40.41
Scotch.....	87	5.6	22	43.18	18	14.25	48	11.04	36	30.50	231.70	41.05
Welsh.....	23	3.9	14	22.89	12	16.55	21	2.91	8	58.67	184.08	47.04
Total...	166	5.3	72	33.84	70	13.20	113	6.99	50	36.98	210.81	39.86

TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.		Deficit.	
										Families.	Average.	Families.	Average.
<i>Alabama.</i>													
American..	2	3.5	.....	\$60.00	\$127.65	\$207.00	\$394.65	\$350.00	\$350.00	.....	.....	2	\$44.65
Total..	2	3.5	.....	60.00	127.65	207.00	394.65	350.00	350.00	.....	.....	2	44.65
<i>Illinois.</i>													
American..	13	4.6	.....	104.31	290.21	271.69	666.12	774.38	814.15	13	\$148.03	.....	.....
Austrian..	1	5.0	.....	96.00	215.32	299.00	610.32	600.00	600.00	.....	.....	1	10.32
Danish...	1	3.0	.....	84.00	229.10	192.65	505.75	600.00	600.00	1	94.25	.....	.....
English...	3	3.0	.....	88.00	258.79	217.91	564.70	554.83	554.83	1	87.73	2	58.68
German...	8	4.6	.....	89.25	318.20	246.59	654.04	606.64	629.39	3	131.95	5	118.62
Irish.....	9	5.0	.....	90.00	348.60	309.46	748.06	670.86	804.49	6	153.84	3	138.39
Norwegian	1	4.0	.....	90.00	334.80	163.80	588.60	620.00	620.00	1	31.40	.....	.....
Scotch....	1	4.0	.....	84.00	290.28	293.90	668.18	694.16	694.16	1	25.98	.....	.....
Swedish...	1	3.0	1	.....	240.00	161.20	401.20	420.00	420.00	1	18.80	.....	.....
Total..	38	4.5	1	94.54	303.73	264.55	660.33	672.54	722.58	27	129.69	11	193.27
<i>New York.</i>													
American..	15	4.7	1	83.57	234.54	163.61	476.15	390.65	445.65	5	78.57	10	85.04
Canadian..	1	4.0	.....	96.00	235.00	203.00	564.00	800.00	800.00	1	236.00	.....	.....
English...	6	4.2	4	84.00	244.16	338.21	596.37	652.33	714.33	6	117.96	.....	.....
German...	1	5.0	.....	120.00	247.60	220.80	588.40	675.00	675.00	1	86.60	.....	.....
Irish.....	34	5.3	5	85.59	282.75	222.00	577.75	309.83	533.42	10	46.23	24	82.07
Polish....	3	6.0	1	63.00	248.32	166.82	457.13	326.83	424.83	1	50.05	2	73.48
Scotch....	1	7.0	.....	48.00	143.00	72.00	263.00	230.00	280.00	1	17.00	.....	.....
Swedish...	1	6.0	.....	65.00	168.80	104.50	339.30	200.00	350.00	1	10.70	.....	.....
Total..	62	5.1	11	83.84	260.74	211.81	540.16	374.67	523.97	26	75.51	36	82.42
<i>Ohio.</i>													
American..	2	5.0	1	96.00	250.07	549.88	847.95	809.00	1,146.50	2	298.55	.....	.....
German...	2	3.5	1	88.00	203.53	283.83	531.35	1,237.50	1,237.50	2	706.15	.....	.....
Irish.....	4	5.0	3	84.00	278.36	370.56	669.92	608.40	723.03	3	72.75	1	5.84
Total..	8	4.6	5	89.33	252.58	393.71	679.79	815.83	857.51	7	318.24	1	5.84
<i>Pennsylvania.</i>													
American..	30	4.7	10	71.33	230.77	218.01	500.30	766.96	789.46	31	342.64	5	42.39
Canadian..	1	5.0	.....	75.00	214.52	158.50	448.02	432.50	432.50	.....	.....	1	15.52
English...	6	3.0	.....	62.83	219.75	144.25	426.83	497.77	497.77	6	70.94	.....	.....
Irish.....	5	4.6	.....	75.40	230.82	153.87	460.09	468.44	468.44	3	55.23	2	62.00
Total..	43	4.5	10	70.62	229.06	200.87	485.84	695.25	712.12	40	280.33	8	43.94
<i>W. Virginia.</i>													
American..	8	4.1	.....	103.00	217.38	330.26	650.64	710.86	785.99	6	200.93	2	61.40
German...	11	4.8	1	102.00	215.42	235.93	544.08	532.37	631.83	6	226.58	5	78.85
Irish.....	4	5.5	.....	127.00	219.27	280.70	626.97	841.50	889.50	3	350.92	1	2.64
Scotch....	2	3.5	.....	99.00	275.41	271.61	646.02	787.50	1,074.50	2	428.48	.....	.....
Total..	25	4.6	1	106.25	221.46	276.13	599.60	659.36	757.80	17	263.22	8	64.96
<i>Germany.</i>													
German...	10	4.8	.....	9.11	124.96	121.37	255.44	242.50	253.37	5	23.45	5	27.53
Polish....	25	4.9	.....	9.93	129.63	111.33	250.89	227.85	248.83	11	11.91	13	14.05
Total..	35	4.9	.....	9.70	128.29	114.20	252.19	232.04	250.13	16	15.51	18	17.80
<i>Gt. Britain.</i>													
English...	45	5.5	6	50.70	208.38	190.73	443.05	433.20	487.12	22	92.15	2	22.00
Irish.....	11	4.5	.....	45.10	224.86	183.70	453.66	367.14	483.06	6	56.65	1	16.54
Scotch....	87	5.6	1	51.08	338.90	231.70	621.08	574.92	698.32	56	123.10	7	24.86
Welsh....	23	3.9	3	33.51	184.78	184.08	398.00	319.51	426.44	10	69.55	1	41.35
Total..	166	5.3	10	48.31	274.60	210.81	530.82	487.34	589.13	94	105.92	11	25.08



TABLE XX.—STEEL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Concluded.

## G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>Alabama.</i>								
American .....	2	3.5	.....	\$17.14	\$36.47	\$59.14	\$112.75	\$100.00
Total .....	2	3.5	.....	17.14	36.47	59.14	112.75	100.00
<i>Illinois.</i>								
American .....	13	4.6	.....	22.60	62.88	58.85	144.33	176.40
Austrian .....	1	5.0	.....	19.20	43.06	59.80	122.06	120.00
Danish .....	1	3.0	.....	28.00	76.37	64.22	168.59	200.00
English .....	3	3.0	.....	29.33	86.26	72.64	188.23	184.94
German .....	8	4.6	.....	19.30	68.80	53.32	141.42	136.08
Irish .....	9	5.0	.....	18.00	69.72	61.89	149.61	160.90
Norwegian .....	1	4.0	.....	22.50	83.70	40.95	147.15	155.00
Scotch .....	1	4.0	.....	21.00	72.57	73.48	167.05	173.54
Swedish .....	1	3.0	1	.....	80.00	53.73	133.73	140.00
Total .....	38	4.5	1	20.95	67.49	59.13	147.60	161.52
<i>New York.</i>								
American .....	15	4.7	1	18.28	50.26	35.06	102.03	95.50
Canadian .....	1	4.0	.....	24.00	66.25	50.75	141.00	200.00
English .....	6	4.2	4	14.00	58.60	81.17	143.13	171.44
German .....	1	5.0	.....	24.00	49.52	44.16	117.68	135.00
Irish .....	34	5.3	5	16.12	53.41	41.93	109.13	100.76
Polish .....	3	6.0	1	10.50	41.39	27.80	76.19	70.81
Scotch .....	1	7.0	.....	6.86	20.43	10.29	37.58	40.00
Swedish .....	1	6.0	.....	11.00	28.13	17.42	56.55	58.33
Total .....	62	5.1	11	16.25	51.32	41.69	106.32	103.13
<i>Ohio.</i>								
American .....	2	5.0	1	48.00	50.01	109.98	169.59	229.30
German .....	2	3.5	1	17.60	58.15	81.09	151.81	353.57
Irish .....	4	5.0	3	42.00	55.67	74.11	133.98	144.61
Total .....	8	4.6	5	29.78	54.61	85.13	146.98	207.03
<i>Pennsylvania.</i>								
American .....	36	4.7	10	15.33	49.16	46.44	106.57	168.17
Canadian .....	1	5.0	.....	15.00	42.90	31.70	89.60	86.50
English .....	6	3.0	.....	20.94	73.25	48.08	142.27	165.92
Irish .....	5	4.6	.....	16.39	50.18	33.45	100.02	101.83
Total .....	48	4.5	10	16.07	51.14	44.85	108.47	158.99
<i>West Virginia.</i>								
American .....	8	4.1	.....	24.97	52.70	80.06	157.73	190.54
German .....	11	4.8	1	21.70	44.71	48.97	112.92	131.13
Irish .....	4	5.5	.....	23.09	39.87	51.04	114.00	161.73
Scotch .....	2	3.5	.....	28.29	78.69	77.60	184.58	307.00
Total .....	25	4.6	1	23.39	48.14	60.03	130.35	164.74
<i>Germany.</i>								
German .....	10	4.8	.....	1.90	26.03	25.29	53.22	52.79
Polish .....	25	4.9	.....	2.02	26.35	22.63	51.00	50.58
Total .....	35	4.9	.....	1.99	26.26	23.37	51.62	51.20
<i>Great Britain.</i>								
English .....	45	5.5	6	9.24	37.96	34.75	80.72	88.75
Irish .....	11	4.5	.....	9.92	49.47	40.41	99.80	106.27
Scotch .....	87	5.6	1	9.09	60.05	41.05	110.05	123.73
Welsh .....	23	3.9	3	8.94	47.22	47.04	101.71	108.98
Total .....	166	5.3	10	9.17	51.92	39.86	100.36	111.38

**TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES.****A.—SUMMARY OF CONDITION AS TO CHILDREN.**

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families with out children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>Alabama.</i>														
American...	8	10	1.3	14	23	1.6	27	56	2.1	21	110	3.2	9	43
English.....	1	1	1.0	4	6	1.5	3	8	2.7	-----	15	3.0	1	6
French.....	1	1	1.0	-----	-----	-----	-----	-----	-----	3	4	4.0	-----	1
German.....	-----	-----	-----	1	1	1.0	1	4	4.0	-----	5	5.0	-----	1
Irish.....	-----	-----	-----	1	2	2.0	1	3	3.0	-----	5	5.0	1	2
Scotch.....	4	7	1.8	2	6	3.0	7	17	2.4	5	35	5.0	-----	7
Total...	14	19	1.4	22	38	1.7	39	88	2.3	29	174	3.6	11	60
<i>Indiana.</i>														
American...	5	6	1.2	-----	-----	-----	26	39	1.5	36	81	2.7	5	35
German.....	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	1	1
Total...	5	6	1.2	-----	-----	-----	26	39	1.5	36	81	2.7	6	36
<i>Ohio.</i>														
American...	11	17	1.5	23	56	2.4	34	61	1.8	9	143	3.8	5	43
Canadian.....	1	1	1.0	1	1	1.0	1	1	1.0	-----	3	3.0	-----	1
English.....	8	10	1.3	12	24	2.0	13	22	1.7	3	59	3.5	1	18
German.....	5	6	1.2	4	7	1.8	4	8	2.0	4	25	3.6	-----	7
Irish.....	11	22	2.0	15	33	2.2	14	23	1.6	5	83	4.2	2	22
Swiss.....	-----	-----	-----	1	2	2.0	3	7	2.3	-----	9	3.0	-----	3
Welsh.....	4	5	1.3	6	12	2.0	3	7	2.3	-----	24	3.4	2	9
Total...	40	61	1.5	62	135	2.2	72	129	1.8	21	346	3.7	10	103
<i>Pennsylvania.</i>														
American...	15	27	1.8	22	50	2.3	55	134	2.4	-----	211	3.5	12	72
Austrian.....	-----	-----	-----	-----	-----	-----	1	2	2.0	-----	2	2.0	-----	1
Belgian.....	1	1	1.0	2	3	1.5	2	3	1.5	-----	7	3.5	-----	2
Danish.....	-----	-----	-----	-----	-----	-----	3	7	2.3	-----	7	2.3	-----	3
English.....	22	35	1.6	9	15	1.7	51	133	2.6	-----	183	3.3	5	61
French.....	3	6	2.0	4	6	1.5	8	18	2.3	-----	30	2.7	1	12
German.....	19	30	1.6	24	53	2.2	36	82	2.3	-----	165	4.0	7	48
Hungarian.....	1	1	1.0	3	5	1.7	2	2	1.0	-----	8	2.7	-----	3
Irish.....	8	16	2.0	7	15	2.1	14	35	2.5	-----	66	4.4	4	19
Italian.....	-----	-----	-----	-----	-----	-----	1	1	1.0	-----	1	1.0	-----	1
Scotch.....	12	21	1.8	5	9	1.8	23	84	3.7	-----	114	5.0	4	27
Swedish.....	-----	-----	-----	-----	-----	-----	2	4	2.0	-----	4	2.0	-----	2
Welsh.....	26	44	1.7	11	16	1.5	43	123	2.9	-----	183	3.7	1	50
Total...	107	181	1.7	87	172	2.0	241	628	2.6	-----	981	3.7	34	301
<i>W. Virginia.</i>														
American...	2	3	1.5	2	2	1.0	1	1	1.0	4	10	3.3	-----	3
German.....	2	2	1.0	2	5	2.5	3	3	1.0	2	12	4.0	-----	3
Irish.....	1	1	1.0	1	2	2.0	1	2	2.0	2	7	3.5	-----	2
Total...	5	6	1.2	5	9	1.8	5	6	1.2	8	29	3.6	-----	8
<i>Belgium.</i>														
Belgian.....	5	12	2.4	8	19	2.4	5	8	1.6	1	40	4.4	1	10
Total...	5	12	2.4	8	19	2.4	5	8	1.6	1	40	4.4	1	10
<i>Germany.</i>														
German.....	7	9	1.3	13	32	2.5	15	32	2.1	1	74	4.4	1	18
Total...	7	9	1.3	13	32	2.5	15	32	2.1	1	74	4.4	1	18
<i>Gt. Britain.</i>														
English.....	50	83	1.7	91	208	2.3	84	140	1.7	5	436	3.7	5	124
Irish.....	3	6	2.0	3	7	2.3	1	1	1.0	-----	14	3.5	-----	4
Italian.....	1	3	3.0	1	2	2.0	1	2	2.0	-----	7	7.0	-----	1
Scotch.....	1	1	1.0	1	3	3.0	1	2	2.0	-----	6	6.0	-----	1
Welsh.....	15	23	1.5	23	47	2.0	23	31	1.3	-----	101	3.3	5	36
Total...	79	116	1.7	119	267	2.2	110	176	1.6	5	564	3.6	10	166

**TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.****B.—SUMMARY OF SOURCES OF INCOME.**

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands	Wives.	Children.	Boarders.	Husbands.	Wives.	Children.	Boarders.	Average.	
<i>Alabama.</i>												
American..	43	4.7	43	3	8	a 7	\$551.17	\$140.00	\$283.50	a \$96.86	\$629.45	\$133.99
English....	6	4.8	6	.....	1	1	703.95	.....	100.00	252.00	762.61	157.78
French.....	1	6.0	1	1	1	.....	300.00	100.00	275.00	.....	675.00	112.50
German.....	1	7.0	1	.....	.....	.....	739.67	.....	.....	.....	739.67	105.67
Irish.....	2	5.0	2	.....	.....	1	520.00	.....	.....	30.00	535.00	107.00
Scotch.....	7	7.0	7	.....	4	.....	649.08	.....	430.00	.....	894.80	127.83
Total..	60	5.1	60	4	14	9	575.79	130.00	311.64	106.67	673.17	133.30
<i>Indiana.</i>												
American..	35	4.3	35	1	5	b 6	337.84	125.00	195.60	b 33.17	375.04	86.56
German ..	1	2.0	1	.....	.....	.....	360.00	.....	.....	.....	360.00	180.00
Total..	36	4.3	36	1	5	6	338.46	125.00	195.60	33.17	374.63	87.57
<i>Ohio.</i>												
American..	43	5.5	43	.....	10	c 5	374.15	.....	180.10	c 140.60	432.38	79.12
Canadian..	1	5.0	1	.....	1	.....	375.25	.....	150.00	.....	525.25	105.05
English....	18	5.4	18	.....	7	b 3	344.66	.....	152.71	b 109.67	422.33	78.37
German.....	7	5.6	7	.....	1	b 1	378.53	.....	275.00	b 30.00	422.10	75.76
Irish.....	22	6.0	22	2	9	d 3	400.93	302.00	284.58	d 310.33	587.12	97.85
Swiss.....	3	5.0	3	.....	.....	.....	378.75	.....	.....	.....	378.75	75.75
Welsh.....	9	4.7	9	.....	4	b 1	277.20	.....	245.81	b 96.00	397.12	85.10
Total..	103	5.5	103	2	32	13	366.69	302.00	213.73	160.69	459.23	83.72
<i>Pennsylvania.</i>												
American..	72	5.0	72	1	13	e 13	411.85	120.00	357.15	e 119.09	499.50	99.07
Austrian..	1	4.0	1	.....	.....	.....	428.26	.....	.....	.....	428.26	107.07
Belgian....	2	5.5	2	.....	.....	b 1	392.56	.....	.....	b 90.00	437.56	79.56
Danish.....	3	4.3	3	.....	.....	b 2	397.52	.....	.....	b 19.50	410.52	94.73
English....	61	5.2	61	.....	20	f 14	411.58	.....	383.95	f 170.12	576.50	110.94
French.....	12	4.8	12	.....	2	g 5	398.64	.....	473.00	g 169.60	548.14	115.40
German.....	48	5.6	48	1	7	h 8	464.10	100.00	440.06	h 199.55	563.62	100.95
Hungarian..	3	4.7	3	.....	.....	b 1	443.36	.....	.....	b 42.60	457.56	98.05
Irish.....	19	5.6	19	.....	7	i 5	471.95	.....	322.31	i 95.00	615.70	109.33
Italian.....	1	3.0	1	.....	.....	.....	465.00	.....	.....	.....	465.00	155.00
Scotch.....	27	6.4	27	.....	11	j 6	459.75	.....	555.41	j 108.63	710.16	111.48
Swedish....	2	4.0	2	.....	.....	.....	385.00	.....	.....	.....	385.00	96.25
Welsh.....	50	5.9	50	.....	25	k 15	417.45	.....	345.61	k 109.53	650.12	109.45
Total..	301	5.4	301	2	85	70	428.72	110.00	392.41	152.37	575.69	106.05
<i>W. Virginia.</i>												
American..	3	6.0	3	.....	2	l 3	243.16	.....	222.50	l 162.00	653.50	108.92
German.....	3	6.0	3	.....	2	b 2	389.91	.....	100.00	b 185.00	579.91	96.65
Irish.....	2	6.0	2	.....	.....	m 1	517.57	.....	.....	m 356.86	696.00	116.00
Total..	8	6.0	8	.....	4	6	404.30	.....	161.25	202.14	636.53	106.09

a Including four families with an average income of \$91.50 from sources not presented.

b Income from sources not presented.

c Including four families with an average income of \$76.25 from sources not presented.

d Including one family with an income of \$15 from sources not presented.

e Including ten families with an average income of \$108.92 from sources not presented.

f Including thirteen families with an average income of \$74.87 from sources not presented.

g Including three families with an average income of \$101.33 from sources not presented.

h Including six families with an average income of \$162.67 from sources not presented.

i Including three families with an average income of \$34.33 from sources not presented.

j Including three families with an average income of \$82.25 from sources not presented.

k Including eleven families with an average income of \$101.18 from sources not presented.

l All have an average income of \$98 from sources not presented.

m Has an income of \$164.86 from sources not presented.



TABLE XX.—**BITUMINOUS COAL: SUMMARY OF COST OF LIVING**  
FOR EACH STATE, BY NATIONALITIES—Continued.**B.—SUMMARY OF SOURCES OF INCOME—Concluded.**

Nationality of husband.	Families—						Income—					
	Total.	Aver- age size.	With income from—				Per family from—					Per indi- vidual.
			Hus- bands	Wives.	Chil- dren.	Board- ers.	Hus- bands.	Wives.	Chil- dren.	Board- ers.	Aver- age.	
<i>Belgium.</i>												
Belgian ....	10	6.0	10	.....	5	.....	\$291.50	.....	\$270.10	.....	\$426.55	\$71.09
Total ..	10	6.0	10	.....	5	.....	291.50	.....	270.10	.....	426.55	71.09
<i>Germany.</i>												
German ...	18	7.1	18	.....	7	<i>a</i> 11	257.51	.....	165.11	<i>a</i> \$114.17	391.49	55.49
Total ..	18	7.1	18	.....	7	11	257.51	.....	165.11	114.17	391.49	55.49
<i>Gt. Britain.</i>												
English....	124	5.5	124	1	50	<i>b</i> 8	385.98	\$131.40	270.01	<i>b</i> 34.07	498.12	90.57
Irish.....	4	5.5	4	.....	3	.....	403.92	.....	415.27	.....	715.38	130.07
Italian....	1	9.9	1	.....	1	.....	202.45	.....	301.73	.....	504.13	56.02
Scotch....	1	8.0	1	.....	1	.....	408.79	.....	48.07	.....	457.46	57.18
Welsh.....	36	4.9	36	.....	15	3	345.72	.....	220.26	291.01	461.74	93.91
Total ..	166	5.4	166	1	70	11	376.72	131.40	262.86	104.14	495.25	91.55

*a* Including four families with an average income of \$100.85 from sources not presented.*b* Including seven families with an average income of \$29.90 from sources not presented.

**TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.****C.—SUMMARY OF EXPENDITURE FOR RENT.**

Nationality of husband.	Families.		Own house.	Hiro.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per--	
				Families.	Rooms per family.		Family.	Individual.
<i>Alabama.</i>								
American .....	43	4.7	3	40	2.5	.....	\$45.60	\$9.86
English.....	6	4.8	1	5	3.4	.....	55.20	13.80
French.....	1	6.0	.....	1	4.0	.....	70.00	11.67
German.....	1	7.0	.....	1	3.0	.....	36.00	5.14
Irish.....	2	5.0	.....	2	2.5	.....	36.00	7.20
Scotch.....	7	7.0	2	5	3.0	.....	50.80	7.47
Total .....	60	5.1	6	54	2.7	.....	46.89	9.66
<i>Indiana.</i>								
American.....	35	4.3	4	9	3.7	22	52.90	12.33
German.....	1	2.0	1	.....	.....	.....	.....	.....
Total .....	36	4.3	5	9	3.7	22	52.90	12.33
<i>Ohio.</i>								
American.....	43	5.5	9	32	3.7	2	45.33	8.80
Canadian.....	1	5.0	.....	1	6.0	.....	57.00	11.40
English.....	18	5.4	4	13	3.5	1	46.57	8.58
German.....	7	5.6	3	4	3.3	.....	42.75	7.77
Irish.....	22	6.0	10	12	4.3	.....	55.92	10.32
Swiss.....	3	5.0	.....	3	4.0	.....	60.00	12.00
Welsh.....	9	4.7	.....	9	3.8	.....	51.67	11.07
Total .....	103	5.5	26	74	3.8	3	48.58	9.35
<i>Pennsylvania.</i>								
American.....	72	5.0	18	51	4.1	3	66.67	13.70
Anstrian.....	1	4.0	1	.....	.....	.....	.....	.....
Belgian.....	2	5.5	.....	2	2.5	.....	46.50	8.45
Danish.....	3	4.3	3	.....	.....	.....	.....	.....
English.....	61	5.2	17	40	4.2	4	69.20	12.63
French.....	12	4.8	3	9	3.3	.....	57.78	10.83
German.....	48	5.6	27	19	3.5	2	65.68	13.71
Hungarian.....	3	4.7	2	1	4.0	.....	84.00	16.80
Irish.....	19	5.6	7	10	4.7	2	73.25	12.56
Italian.....	1	3.0	1	.....	.....	.....	.....	.....
Scotch.....	27	6.4	6	21	4.7	.....	76.71	12.02
Swedish.....	2	4.0	1	1	3.0	.....	48.00	12.00
Welsh.....	50	5.9	11	36	5.0	3	76.92	13.33
Total .....	301	5.4	97	190	4.3	14	69.90	12.94
<i>West Virginia.</i>								
American.....	3	6.0	.....	3	4.0	.....	102.60	17.10
German.....	3	6.0	.....	3	2.0	.....	63.33	10.56
Irish.....	2	6.0	.....	2	5.5	.....	108.00	18.00
Total.....	8	6.0	.....	8	3.6	.....	89.23	14.87
<i>Belgium.</i>								
Belgian.....	10	6.0	1	6	3.3	3	18.96	3.10
Total.....	10	6.0	1	6	3.3	3	18.96	3.10
<i>Germany.</i>								
German.....	18	7.1	.....	18	3.3	.....	38.64	5.48
Total.....	18	7.1	.....	18	3.3	.....	38.64	5.48
<i>Great Britain.</i>								
English.....	124	5.5	1	123	4.0	.....	49.69	9.04
Irish.....	4	5.5	.....	4	4.3	.....	50.61	9.20
Italian.....	1	9.0	.....	1	3.0	.....	47.45	5.27
Scotch.....	1	8.0	.....	1	4.0	.....	50.61	6.33
Welsh.....	36	4.9	.....	36	3.4	.....	39.57	8.05
Total.....	166	5.4	1	165	3.8	.....	47.50	8.79

TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American....	43	4.7	41	\$25.61	42	\$23.67	32	\$15.69	11	\$7.55	7	\$3.32	35	\$7.13
English.....	6	4.8	6	37.67	6	24.75	3	12.67	1	12.00	2	3.11	5	7.60
French.....	1	6.0	1	50.00	1	50.00	.....	.....	.....	.....	.....	.....	1	5.40
German.....	1	7.0	1	36.00	1	12.00	1	55.00	.....	.....	.....	.....	1	12.00
Irish.....	2	5.0	2	26.00	2	22.00	1	15.00	.....	.....	.....	.....	1	8.09
Scotch.....	7	7.0	7	29.43	7	27.86	6	19.33	2	12.50	.....	.....	6	9.67
Total....	60	5.1	58	27.93	59	24.47	43	16.83	14	8.57	9	3.27	49	7.57
<i>Indiana.</i>														
American....	35	4.3	.....	.....	.....	.....	34	35.14	.....	.....	.....	.....	24	10.20
German.....	1	2.0	.....	.....	.....	.....	1	25.00	.....	.....	.....	.....	.....	.....
Total....	36	4.3	.....	.....	.....	.....	35	34.85	.....	.....	.....	.....	24	10.20
<i>Ohio.</i>														
American....	43	5.5	.....	.....	6	44.00	43	58.33	.....	.....	4	5.20	23	13.60
Canadian....	1	5.0	.....	.....	.....	.....	1	100.00	.....	.....	.....	.....	1	5.40
English.....	18	5.4	.....	.....	5	40.68	18	52.17	2	5.00	1	7.35	12	12.73
German.....	7	5.6	.....	.....	2	14.50	7	70.29	1	5.00	5	4.68	5	7.07
Irish.....	22	6.0	.....	.....	6	19.70	22	74.49	2	6.00	8	8.17	20	13.33
Swiss.....	3	5.0	.....	.....	.....	.....	3	49.00	.....	.....	.....	.....	2	18.65
Welsh.....	9	4.7	.....	.....	3	33.33	9	64.78	.....	.....	.....	.....	7	22.44
Total....	103	5.5	.....	.....	22	32.48	103	62.21	5	5.40	18	6.50	70	13.82
<i>Pennsylvania.</i>														
American....	72	5.0	.....	.....	6	17.40	72	63.71	.....	.....	.....	.....	11	10.44
Austrian....	1	4.0	.....	.....	.....	.....	1	51.79	.....	.....	.....	.....	.....	.....
Belgian....	2	5.5	.....	.....	.....	.....	2	45.00	.....	.....	.....	.....	.....	.....
Danish....	3	4.3	.....	.....	.....	.....	3	50.67	.....	.....	.....	.....	.....	.....
English.....	61	5.2	.....	.....	4	13.22	61	76.59	.....	.....	.....	.....	13	14.89
French.....	12	4.8	.....	.....	1	16.05	12	81.08	.....	.....	.....	.....	1	12.00
German.....	48	5.6	.....	.....	7	19.27	48	68.52	.....	.....	.....	.....	5	16.01
Hungarian..	3	4.7	.....	.....	.....	.....	3	68.50	.....	.....	.....	.....	1	17.40
Irish.....	19	5.6	.....	.....	1	10.00	19	85.97	.....	.....	.....	.....	3	15.73
Italian....	1	3.0	.....	.....	.....	.....	1	70.00	.....	.....	.....	.....	.....	.....
Scotch.....	27	6.4	.....	.....	.....	.....	27	95.85	.....	.....	.....	.....	6	15.94
Swedish....	2	4.0	.....	.....	.....	.....	2	42.00	.....	.....	.....	.....	.....	.....
Welsh.....	50	5.9	.....	.....	3	44.97	50	75.01	.....	.....	.....	.....	18	11.35
Total....	301	5.4	.....	.....	22	20.60	301	73.58	.....	.....	.....	.....	58	13.19
<i>W. Virginia.</i>														
American....	3	6.0	.....	.....	.....	.....	3	59.33	.....	.....	1	3.60	3	7.75
German.....	3	6.0	.....	.....	.....	.....	3	61.67	.....	.....	.....	.....	3	11.00
Irish.....	2	6.0	.....	.....	.....	.....	2	121.50	.....	.....	1	4.80	2	10.95
Total....	8	6.0	.....	.....	.....	.....	8	75.75	.....	.....	2	4.20	8	9.77
<i>Belgium.</i>														
Belgian.....	10	6.0	9	34.59	3	7.18	1	69.48	.....	.....	.....	.....	5	4.73
Total....	10	6.0	9	34.59	3	7.18	1	69.48	.....	.....	.....	.....	5	4.73
<i>Germany.</i>														
German.....	18	7.1	8	35.94	8	34.63	10	51.12	.....	.....	.....	.....	6	6.79
Total....	18	7.1	8	35.94	8	34.63	10	51.12	.....	.....	.....	.....	6	6.79
<i>Gt. Britain.</i>														
English.....	124	5.5	.....	.....	113	17.37	124	70.47	.....	.....	21	10.32	114	9.90
Irish.....	4	5.5	.....	.....	4	22.15	4	85.94	.....	.....	2	18.98	3	14.03
Italian.....	1	9.0	.....	.....	1	37.96	1	75.92	.....	.....	.....	.....	1	9.73
Scotch.....	1	8.0	.....	.....	1	6.33	1	55.96	.....	.....	1	2.11	1	12.65
Welsh.....	36	4.9	.....	.....	34	17.01	36	69.30	.....	.....	2	8.48	30	10.20
Total....	166	5.4	.....	.....	153	17.47	166	70.54	.....	.....	26	10.53	149	10.06



TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American ..	43	4.7	14	\$6.05	32	\$11.73	28	\$5.54	27	\$4.04	42	\$12.49	42	\$22.29
English.....	6	4.8	1	4.00	5	13.88	6	8.83	6	8.53	6	11.40	6	27.00
French.....	1	6.0	.....	.....	1	17.50	1	3.66	1	6.00	1	30.00	1	40.00
German.....	1	7.2	1	3.00	1	18.75	.....	.....	1	3.90	1	18.75	1	35.00
Irish.....	2	5.0	1	8.00	1	22.00	1	3.20	1	21.60	2	11.10	2	24.00
Scotch.....	7	7.0	1	9.75	5	41.20	6	9.72	6	17.17	5	5.74	7	34.43
Total...	60	5.1	18	6.08	45	15.76	42	6.51	42	7.02	57	12.15	59	24.78
<i>Indiana.</i>														
American ..	35	4.3	19	6.11	31	13.60	.....	.....	5	4.73	33	9.88	33	13.34
German.....	1	2.6	1	6.00	1	12.96	.....	.....	.....	.....	1	6.00	1	7.50
Total...	36	4.3	20	6.11	32	13.58	.....	.....	5	4.73	34	9.77	34	13.17
<i>Ohio.</i>														
American ..	43	5.5	17	9.00	29	24.50	8	5.84	36	6.30	41	10.02	43	18.42
Canadian ..	1	5.0	.....	.....	1	43.20	.....	.....	1	3.00	1	12.50	1	36.00
English.....	18	5.4	12	8.28	14	22.16	7	9.48	18	7.68	15	5.33	18	18.40
German.....	7	5.6	6	7.75	7	24.59	3	3.61	6	4.35	6	10.33	7	13.77
Irish.....	22	6.0	14	10.20	19	29.34	8	6.11	21	10.42	21	9.08	22	22.98
Swiss.....	3	5.0	3	15.33	3	9.73	2	17.30	2	5.00	3	5.01	3	14.00
Welsh.....	9	4.7	6	8.25	9	27.54	6	13.55	9	11.47	4	14.58	9	23.80
Total...	103	5.5	58	9.26	82	25.25	34	8.49	93	7.81	91	9.11	103	19.58
<i>Pennsylvania.</i>														
American ..	72	5.0	29	13.22	62	27.77	9	6.48	55	6.43	57	11.32	70	20.41
Austrian ..	1	4.0	.....	.....	.....	.....	1	4.23	1	2.53	1	18.34	1	19.24
Belgian.....	2	5.5	1	18.25	2	27.30	.....	.....	.....	.....	2	16.23	2	12.13
Danish.....	3	4.3	.....	.....	2	16.50	.....	.....	3	7.00	3	13.71	3	13.09
English.....	61	5.2	26	12.60	53	28.76	8	10.87	54	11.58	32	7.13	61	23.25
French.....	12	4.8	5	13.34	10	23.01	4	7.58	8	3.91	10	16.24	12	17.11
German.....	48	5.6	13	16.14	29	24.46	14	8.39	38	5.89	47	15.06	48	19.65
Hungarian ..	3	4.7	.....	.....	1	26.00	1	6.70	2	4.45	3	13.87	3	21.67
Irish.....	19	5.6	10	16.79	14	34.04	2	10.65	14	13.54	11	12.19	18	28.21
Italian.....	1	3.0	1	18.25	1	20.80	.....	.....	.....	.....	.....	.....	1	24.00
Scotch.....	27	6.4	14	18.07	22	38.14	3	8.83	19	13.52	9	9.78	27	23.74
Swedish.....	2	4.0	2	7.00	2	26.40	.....	.....	2	5.40	2	4.60	2	12.00
Welsh.....	50	5.9	26	11.66	45	37.46	11	13.24	41	11.96	24	6.63	49	26.96
Total...	301	5.4	127	13.88	243	30.36	53	9.39	237	9.34	201	11.28	297	22.88
<i>W. Virginia.</i>														
American ..	3	6.0	3	15.55	2	29.88	1	10.50	2	4.80	3	15.94	3	14.83
German.....	3	6.0	2	11.85	3	34.46	3	3.70	2	2.13	2	17.00	3	15.50
Irish.....	2	6.0	1	12.74	2	31.50	.....	.....	1	2.00	2	19.00	2	18.50
Total...	8	6.0	6	13.85	7	32.30	4	5.40	5	3.17	7	17.12	8	16.00
<i>Belgium.</i>														
Belgian.....	10	6.0	8	8.98	10	49.20	.....	.....	.....	.....	10	16.13	7	4.44
Total...	10	6.0	8	8.98	10	49.20	.....	.....	.....	.....	10	16.13	7	4.44
<i>Germany.</i>														
German.....	18	7.1	10	7.48	15	26.78	1	4.99	.....	.....	14	19.16	13	2.47
Total...	18	7.1	10	7.48	15	26.78	1	4.99	.....	.....	14	19.16	13	2.47
<i>Gt. Britain.</i>														
English.....	124	5.5	119	17.00	121	21.89	2	4.77	120	15.12	19	5.24	120	10.43
Irish.....	4	5.5	4	19.71	4	22.14	.....	.....	4	18.92	.....	.....	4	13.85
Italian.....	1	9.0	1	12.65	1	18.25	.....	.....	1	23.20	.....	.....	1	20.28
Scotch.....	1	8.0	1	21.90	1	31.63	.....	.....	1	14.60	.....	.....	1	12.65
Welsh.....	36	4.9	34	14.42	36	22.39	.....	.....	36	18.55	1	3.65	36	8.65
Total...	166	5.4	159	16.52	163	22.04	2	4.77	162	16.03	20	5.16	162	10.19

TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	43	4.7	33	\$3.43	41	\$12.56	43	\$38.34	5	\$2.30	5	\$1.81	36	\$4.46
English.....	6	4.8	5	3.98	5	13.60	6	48.27	1	4.00	1	.48	5	6.08
French.....	1	6.0	1	4.20	1	6.23	1	42.60	1	3.00				
German.....	1	7.0			1	17.00	1	80.40					1	2.00
Irish.....	2	5.0	1	4.00	2	13.00	2	56.65					1	6.00
Scotch.....	7	7.0	5	2.20	7	14.86	7	61.54	3	7.27			4	3.31
Total...	60	5.1	45	3.39	57	12.92	60	43.42	10	4.03	6	1.50	47	4.51
<i>Indiana.</i>														
American...	35	4.3	1	1.00	1	3.00	34	23.01					1	40.00
German.....	1	2.0					1	15.00						
Total...	36	4.3	1	1.00	1	3.00	35	22.79					1	40.00
<i>Ohio.</i>														
American...	43	5.5	30	4.45	26	10.70	43	33.83	7	4.48	15	4.00	27	6.09
Canadian...	1	5.0	1	5.00	1	24.00	1	38.35			1	3.00		
English.....	18	5.4	9	2.58	11	12.65	18	34.34	3	1.99	5	6.00	12	7.47
German.....	7	5.6	6	2.49	6	5.28	7	33.07	3	3.07	1	3.00	6	5.70
Irish.....	22	6.0	10	3.56	14	9.56	22	41.82	12	4.42	8	5.18	14	0.97
Swiss.....	3	5.0	2	3.30	2	10.00	3	21.23			1	2.40	2	2.50
Welsh.....	9	4.7	3	2.87	5	9.20	9	31.30			5	4.20	3	5.50
Total...	103	5.5	61	3.73	65	10.35	103	35.03	25	3.98	36	4.47	64	6.37
<i>Pennsylvania.</i>														
American...	72	5.0	13	6.11	47	7.96	71	39.17			4	2.93	9	7.06
Austrian...	1	4.0					1	49.29			1	3.34	1	1.05
Belgian.....	2	5.5					2	34.40						
Danish.....	3	4.3			2	6.58	3	28.80						
English.....	61	5.2	10	7.99	39	9.78	61	40.48			2	5.10	7	18.87
French.....	12	4.8			10	10.98	12	40.59			1	5.20	2	6.13
German.....	48	5.6	6	4.40	22	9.15	48	46.72			9	5.19	10	6.79
Hungarian...	3	4.7	2	3.27	1	8.30	3	37.60			1	3.25		
Irish.....	19	5.6	1	7.20	7	9.39	18	55.12			1	6.00		
Italian.....	1	3.0					1	19.20						
Scotch.....	27	6.4	3	7.70	16	12.05	27	53.54			1	8.50	3	23.33
Swedish.....	2	4.0			1	8.00	2	30.00						
Welsh.....	50	5.9	8	8.87	35	11.14	50	46.76			4	5.53	9	9.39
Total...	301	5.4	43	6.83	174	9.69	299	43.99			24	4.88	41	10.52
<i>W. Virginia.</i>														
American...	3	6.0	3	9.40	2	8.30	3	28.57	2	2.80			2	10.07
German.....	3	6.0	1	1.20	3	7.17	3	37.46	1	3.36			2	7.00
Irish.....	2	6.0	1	2.40	2	9.55	2	33.00	2	3.40			1	8.40
Total...	8	6.0	5	6.36	7	8.17	8	33.01	5	3.15			5	8.51
<i>Belgium.</i>														
Belgian.....	10	6.0			6	7.46	10	68.79						
Total...	10	6.0			6	7.46	10	68.79						
<i>Germany.</i>														
German.....	18	7.1			4	16.39	11	21.67	14	42.43				
Total...	18	7.1			4	16.39	11	21.67	14	42.43				
<i>Gt. Britain.</i>														
English.....	124	5.5	10	3.24	109	6.53	124	36.46	13	27.76	4	1.28	6	12.49
Irish.....	4	5.5			2	9.49	4	43.50						
Italian.....	1	9.0			1	24.33	1	58.40						
Scotch.....	1	8.0					1	39.74						
Welsh.....	36	4.9	6	2.57	31	4.90	36	33.83	5	20.14			1	6.33
Total...	166	5.4	16	2.99	143	6.34	166	36.21	18	25.65	4	1.28	7	11.61

**TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.****D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>Alabama.</i>												
American...	43	4.7	40	\$8.75	42	\$4.51	.....	.....	39	\$24.28	\$210.03	\$44.71
English...	6	4.8	6	8.82	6	6.36	.....	.....	6	25.33	255.36	52.83
French...	1	6.0	1	12.00	1	1.20	.....	.....	1	30.00	301.75	50.29
German...	1	7.0	1	12.00	1	5.20	.....	.....	1	28.00	339.00	48.43
Irish...	2	5.0	2	14.25	2	3.83	.....	.....	2	20.50	233.23	47.05
Scotch...	7	7.0	7	11.71	7	4.13	.....	.....	5	28.40	297.21	42.46
Total...	60	5.1	57	9.43	59	4.59	.....	.....	54	24.81	220.25	45.40
<i>Indiana.</i>												
American...	35	4.3	29	5.22	1	1.50	1	\$0.60	34	17.56	124.11	28.58
German...	1	2.0	.....	.....	.....	.....	.....	.....	1	27.00	99.46	49.73
Total...	36	4.3	29	5.22	1	1.50	1	.60	35	17.83	123.43	28.85
<i>Ohio.</i>												
American...	43	5.5	31	9.06	14	10.14	10	1.62	42	12.39	198.31	36.29
Canadian...	1	5.0	1	7.50	.....	.....	.....	.....	1	15.00	292.95	58.59
English...	18	5.4	9	9.16	8	4.91	4	1.59	18	9.68	197.02	36.56
German...	7	5.6	3	10.67	4	5.80	6	1.08	7	4.21	202.05	36.27
Irish...	22	6.0	13	10.61	12	8.59	12	1.56	22	8.36	249.57	41.60
Swiss...	3	5.0	3	10.33	3	4.33	.....	.....	3	8.00	175.61	35.12
Welsh...	9	4.7	8	9.53	6	12.08	.....	.....	9	9.11	244.33	52.36
Total...	103	5.5	68	9.53	47	8.36	32	1.49	102	10.09	213.56	38.93
<i>Pennsylvania.</i>												
American...	72	5.0	61	9.74	24	10.31	1	2.50	72	43.20	231.41	45.90
Austrian...	1	4.0	.....	.....	.....	.....	1	1.40	1	34.49	185.70	46.43
Belgian...	2	5.5	1	19.50	.....	.....	.....	.....	2	36.25	190.18	34.58
Danish...	3	4.3	3	6.40	.....	.....	.....	.....	3	52.47	188.76	43.56
English...	61	5.2	56	12.46	28	12.06	1	1.92	61	49.90	265.97	51.18
French...	12	4.8	10	10.57	2	10.00	.....	.....	12	38.94	244.51	51.48
German...	48	5.6	29	10.47	4	8.63	1	2.78	48	44.71	239.32	42.86
Hungarian...	3	4.7	2	12.75	.....	.....	.....	.....	3	35.82	211.65	45.35
Irish...	19	5.6	13	13.66	5	13.80	.....	.....	19	57.00	294.14	52.23
Italian...	1	3.0	1	9.00	1	12.00	.....	.....	1	19.84	193.09	64.36
Scotch...	27	6.4	25	12.96	15	15.82	.....	.....	27	60.81	328.38	51.55
Swedish...	2	4.0	2	9.30	1	7.00	.....	.....	2	26.93	171.13	42.78
Welsh...	50	5.9	47	13.08	31	11.79	1	2.25	49	46.13	286.86	48.29
Total...	201	5.4	250	11.64	111	11.98	5	2.17	300	47.33	260.49	47.99
<i>W. Virginia.</i>												
American...	3	6.0	3	16.47	3	11.27	3	1.33	3	11.91	234.27	39.05
German...	3	6.0	3	7.30	3	12.12	3	1.25	3	12.68	231.14	38.52
Irish...	2	6.0	2	15.00	2	13.00	2	1.88	2	17.00	309.45	51.57
Total...	8	6.0	8	12.66	8	12.02	8	1.44	8	13.47	251.89	41.98
<i>Belgium.</i>												
Belgian....	10	6.0	9	17.63	3	.32	2	.56	9	11.90	218.26	36.38
Total...	10	6.0	9	17.63	3	.32	2	.56	9	11.90	218.26	36.38
<i>Germany.</i>												
German....	18	7.1	17	16.20	18	7.15	2	2.26	18	15.55	193.60	27.44
Total...	18	7.1	17	16.20	18	7.15	2	2.26	18	15.55	193.60	27.44
<i>Gt. Britain.</i>												
English....	124	5.5	118	9.59	96	4.86	.....	.....	123	25.38	244.50	44.46
Irish...	4	5.5	4	11.34	3	2.51	.....	.....	4	32.20	296.38	53.89
Italian...	1	9.0	1	14.60	1	14.60	.....	.....	1	14.60	324.52	36.06
Scotch...	1	8.0	1	6.57	.....	.....	.....	.....	1	21.57	255.71	28.21
Welsh...	36	4.9	36	9.62	17	4.95	.....	.....	36	34.40	245.54	49.94
Total...	166	5.4	160	9.65	117	4.90	.....	.....	165	27.44	246.35	45.54



TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	43	4.7	32	\$13.83	43	\$6.55	43	\$55.94	43	\$35.95	34	\$67.74
English.....	6	4.8	5	16.20	6	8.63	6	55.83	6	39.17	5	80.00
French.....	1	6.0	.....	.....	1	5.00	1	30.00	1	35.00	1	125.00
German.....	1	7.0	1	12.00	1	8.00	1	45.00	1	20.00	1	130.00
Irish.....	2	5.0	1	18.00	2	7.60	2	42.50	2	27.50	1	130.00
Scotch.....	7	7.0	6	16.83	7	10.10	7	56.43	7	27.86	7	123.57
Total...	60	5.1	45	14.54	60	7.21	60	54.92	60	34.77	49	80.67
<i>Indiana.</i>												
American...	35	4.3	35	17.32	35	3.60	35	42.74	35	21.19	29	41.98
German.....	1	2.0	1	18.00	1	3.60	1	35.00	1	15.00	.....	.....
Total...	36	4.3	36	17.34	36	3.60	36	42.53	36	21.01	29	41.98
<i>Ohio.</i>												
American...	43	5.5	40	20.35	43	3.16	43	31.60	42	20.04	37	46.62
Canadian...	1	5.0	1	21.00	1	3.60	1	25.00	1	10.00	1	50.00
English.....	18	5.4	17	23.21	18	3.07	18	24.69	18	16.83	18	41.94
German.....	7	5.6	4	15.25	7	2.96	7	22.07	7	14.57	7	43.00
Irish.....	22	6.0	17	24.21	22	3.78	22	31.34	22	19.02	20	91.23
Swiss.....	3	5.0	3	20.00	3	1.70	3	28.33	3	13.33	3	23.33
Welsh.....	9	4.7	8	23.90	9	2.33	9	21.00	9	12.78	7	51.43
Total...	103	5.5	90	21.70	103	3.15	103	28.61	102	17.94	93	54.68
<i>Pennsylvania.</i>												
American...	72	5.0	64	13.11	72	3.57	72	31.51	72	19.33	59	44.76
Austrian...	1	4.0	1	17.50	1	2.03	1	11.50	1	6.00	1	15.00
Belgian.....	2	5.5	1	7.50	2	1.10	2	15.55	2	4.35	2	32.70
Danish.....	3	4.3	3	7.08	3	3.79	3	32.60	3	19.67	3	14.93
English.....	61	5.2	51	11.73	61	4.83	61	31.03	61	15.42	56	48.69
French.....	12	4.8	9	9.74	12	2.00	12	21.20	12	11.73	11	29.68
German.....	48	5.6	38	15.77	48	3.06	48	28.02	48	13.52	38	60.15
Hungarian...	3	4.7	2	8.00	3	2.67	3	24.17	3	9.67	3	20.00
Irish.....	19	5.6	18	14.63	19	4.49	19	29.29	19	16.59	15	85.00
Italian.....	1	3.0	1	20.00	1	4.80	1	55.00	1	60.00	1	15.00
Scotch.....	27	6.4	24	11.09	27	6.76	27	32.66	27	22.23	23	89.82
Swedish.....	2	4.0	2	9.00	2	3.69	2	26.00	2	11.00	2	24.00
Welsh.....	50	5.9	47	14.58	50	5.13	50	31.83	50	18.83	49	63.82
Total...	301	5.4	261	13.18	301	4.26	301	30.27	301	17.16	263	55.93
<i>W. Virginia.</i>												
American...	3	6.0	3	32.50	3	2.20	3	31.67	3	40.00	3	135.00
German.....	3	6.0	3	27.63	3	1.63	3	45.00	3	28.33	3	75.00
Irish.....	2	6.0	2	26.25	2	3.00	2	46.00	2	30.00	2	89.00
Total...	8	6.0	8	29.11	8	2.19	8	40.25	8	33.13	8	101.00
<i>Belgium.</i>												
Belgian.....	10	6.0	9	14.42	10	3.75	10	18.41	10	9.17	9	35.25
Total...	10	6.0	9	14.42	10	3.75	10	18.41	10	9.17	9	35.25
<i>Germany.</i>												
German.....	18	7.1	18	10.66	18	3.40	18	17.28	18	9.86	17	38.58
Total...	18	7.1	18	10.66	18	3.40	18	17.28	18	9.86	17	38.58
<i>Gt. Britain.</i>												
English.....	124	5.5	120	14.95	122	5.71	123	18.44	120	15.55	119	33.48
Irish.....	4	5.5	4	16.24	4	5.24	4	17.03	4	15.21	4	41.37
Italian.....	1	9.0	1	12.16	1	4.87	1	12.16	1	9.73	1	53.40
Scotch.....	1	8.0	1	19.47	1	4.87	1	14.60	1	14.60	1	48.67
Welsh.....	36	4.9	36	16.89	36	4.19	36	16.09	35	14.18	31	30.09
Total...	166	5.4	162	15.43	164	5.35	165	17.83	161	15.20	156	33.27

TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)

Nationality of husband.	Families.		Pit expenses.		Taxes.		Insurance.				Organizations.			
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Property.		Life.		Labor.		Other.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American....	43	4.7	30	\$45.13	40	\$5.43	.....	.....	.....	.....	12	\$10.00	16	\$12.50
English.....	6	4.8	5	53.40	5	6.40	.....	.....	.....	.....	1	6.00	3	16.00
French.....	1	6.0	1	6.00	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
German.....	1	7.0	1	60.00	1	4.50	.....	.....	.....	.....	1	5.00	1	12.00
Irish.....	2	5.0	1	40.00	2	4.50	.....	.....	.....	.....	1	6.00	1	6.00
Scotch.....	7	7.0	5	87.20	7	4.50	.....	.....	.....	.....	.....	.....	2	9.00
Total....	60	5.1	43	50.30	55	5.35	.....	.....	.....	.....	15	9.13	23	12.35
<i>Indiana.</i>														
American....	35	4.3	.....	.....	35	4.46	3	\$1.47	1	\$25.00	34	8.72	5	5.84
German.....	1	2.0	.....	.....	1	8.00	1	2.00	1	12.00	.....	.....	.....	.....
Total....	36	4.3	.....	.....	36	4.56	4	1.60	2	18.50	34	8.72	5	5.84
<i>Ohio.</i>														
American....	43	5.5	.....	.....	9	5.46	4	5.13	1	20.00	14	4.70	12	7.79
Canadian....	1	5.0	.....	.....	1	3.00	.....	.....	.....	.....	1	6.00	1	4.60
English.....	18	5.4	.....	.....	4	5.83	3	5.65	1	7.80	13	5.20	9	4.73
German.....	7	5.6	.....	.....	4	4.74	1	1.25	1	5.20	3	2.73	.....	.....
Irish.....	22	6.0	.....	.....	9	5.63	4	4.83	.....	.....	13	4.85	5	4.80
Swiss.....	3	5.0	.....	.....	.....	.....	.....	.....	.....	.....	2	4.00	.....	.....
Welsh.....	9	4.7	.....	.....	.....	.....	.....	.....	.....	.....	4	6.10	1	7.20
Total....	103	5.5	.....	.....	27	5.38	12	4.84	3	11.00	50	4.86	28	6.14
<i>Pennsylvania.</i>														
American....	72	5.0	21	16.88	65	4.72	13	2.62	1	24.48	31	3.89	41	8.54
Austrian....	1	4.0	1	25.65	1	4.56	.....	.....	.....	.....	.....	.....	.....	.....
Belgian.....	2	5.5	2	27.76	1	1.58	.....	.....	.....	.....	.....	.....	1	2.10
Danish.....	3	4.3	.....	.....	3	6.55	2	6.07	.....	.....	1	6.50	.....	.....
English.....	61	5.2	14	32.03	53	4.54	9	3.99	2	13.00	32	5.24	34	6.75
French.....	12	4.8	8	20.85	10	6.08	4	2.71	.....	.....	5	5.40	5	2.76
German.....	48	5.6	27	33.86	45	5.86	21	2.94	4	24.91	18	4.11	16	5.56
Hungarian..	3	4.7	3	39.84	2	7.10	2	1.30	.....	.....	.....	.....	1	3.50
Irish.....	19	5.6	3	56.33	19	4.98	5	3.76	.....	.....	11	3.68	4	7.20
Italian.....	1	3.0	.....	.....	1	.52	.....	.....	.....	.....	1	3.00	.....	.....
Scotch.....	27	6.4	3	67.65	25	4.38	2	4.25	1	6.00	21	4.38	9	14.42
Swedish....	2	4.0	.....	.....	2	4.60	.....	.....	.....	.....	2	3.00	1	5.20
Welsh.....	50	5.9	9	42.17	46	6.18	8	5.01	2	7.50	38	4.05	30	9.19
Total....	301	5.4	91	31.17	273	5.16	66	3.40	10	17.11	160	4.32	142	7.94
<i>W. Virginia.</i>														
American....	3	6.0	.....	.....	3	11.00	2	9.00	1	9.60	1	3.00	1	3.00
German.....	3	6.0	.....	.....	3	5.07	.....	.....	1	12.00	3	3.00	3	5.33
Irish.....	2	6.0	.....	.....	2	3.75	.....	.....	.....	.....	1	3.00	1	6.00
Total....	8	6.0	.....	.....	8	6.96	2	9.00	2	10.80	5	3.00	5	5.00
<i>Belgium.</i>														
Belgian.....	10	6.0	.....	.....	1	1.54	7	.97	.....	.....	4	2.17	.....	.....
Total....	10	6.0	.....	.....	1	1.54	7	.97	.....	.....	4	2.17	.....	.....
<i>Germany.</i>														
German.....	18	7.1	3	7.54	18	3.71	3	1.70	12	13.51	10	1.09	10	1.97
Total....	18	7.1	3	7.54	18	3.71	3	1.70	12	13.51	10	1.09	10	1.97
<i>Gt. Britain.</i>														
English.....	124	5.5	.....	.....	1	19.47	1	1.22	107	11.08	73	7.06	91	6.92
Irish.....	4	5.5	.....	.....	.....	.....	.....	.....	3	7.03	3	25.31	4	10.14
Italian.....	1	9.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Scotch.....	1	8.0	.....	.....	.....	.....	.....	.....	1	6.33	.....	.....	1	7.38
Welsh.....	36	4.9	.....	.....	.....	.....	.....	.....	34	11.46	19	5.74	20	5.29
Total....	166	5.4	.....	.....	1	19.47	1	1.22	145	11.05	95	7.37	116	6.76

TABLE XX.—**BITUMINOUS COAL:** SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American ..	43	4.7	30	\$4.25	40	\$2.81	43	\$26.69	27	\$3.07	35	\$13.37
English .....	6	4.8	4	20.25	3	3.00	6	25.17	5	2.40	5	22.60
French .....	1	6.0	1	6.00	1	2.00	1	2.00	1	5.50	1	10.00
German .....	1	7.0	1	3.00	1	2.00	1	2.00	1	4.50	.....	.....
Irish .....	2	5.0	2	21.50	1	3.00	2	75.50	1	1.50	1	10.00
Scotch .....	7	7.0	3	3.67	7	3.29	7	12.29	3	2.17	6	15.50
Total ...	60	5.1	41	6.62	53	2.85	60	25.65	38	2.97	48	14.53
<i>Indiana.</i>												
American ..	35	4.3	17	3.53	35	9.63	35	11.55	22	3.65	8	9.88
German ...	1	2.0	1	8.00	1	9.00	1	7.50	1	2.50	.....	.....
Total ...	36	4.3	18	3.78	30	9.61	36	11.44	23	3.60	8	9.88
<i>Ohio.</i>												
American ..	43	5.5	10	5.35	40	3.33	12	42.02	33	3.39	12	9.67
Canadian ...	1	5.0	.....	.....	1	3.25	.....	.....	1	.25	1	8.00
English .....	18	5.4	5	4.55	13	3.31	5	17.20	14	3.65	4	4.40
German .....	7	5.6	2	15.00	6	3.00	2	11.50	5	3.90	1	10.00
Irish .....	22	6.0	16	11.56	19	5.00	5	13.60	17	5.39	5	6.58
Swiss .....	3	5.0	.....	.....	3	4.00	1	35.00	3	5.33	.....	.....
Welsh .....	9	4.7	2	1.50	9	2.50	4	9.19	6	3.08	2	15.00
Total ...	103	5.5	35	8.41	91	3.59	29	25.97	79	3.91	25	8.58
<i>Pennsylvania.</i>												
American ..	72	5.0	53	4.89	38	4.51	55	28.72	66	5.71	31	8.32
Austrian ...	1	4.0	.....	.....	1	1.75	.....	.....	.....	.....	.....	.....
Belgian .....	2	5.5	1	3.50	1	2.50	1	1.00	1	.40	.....	.....
Danish .....	3	4.3	1	3.00	1	5.00	2	23.25	2	3.38	1	3.00
English .....	61	5.2	36	8.38	42	5.48	55	26.06	49	6.66	21	9.05
French .....	12	4.8	5	5.20	9	3.58	9	13.19	10	4.03	1	10.00
German .....	48	5.6	35	6.54	42	2.97	34	23.67	38	4.21	11	7.00
Hungarian..	3	4.7	3	4.33	3	1.83	2	5.65	3	2.00	.....	.....
Irish .....	19	5.6	18	7.76	16	3.86	13	14.66	18	6.42	7	8.57
Italian .....	1	3.0	1	12.00	1	4.50	1	13.00	1	16.00	1	12.00
Scotch .....	27	6.4	20	7.05	25	4.22	23	30.00	25	8.28	14	9.86
Swedish .....	2	4.0	1	4.00	1	4.00	2	9.70	2	4.50	.....	.....
Welsh .....	50	5.9	40	9.45	43	4.77	43	19.27	45	7.77	24	12.91
Total ...	301	5.4	214	7.06	223	4.28	240	23.90	260	6.21	111	9.53
<i>W. Virginia.</i>												
American ..	3	6.0	3	7.33	.....	.....	2	33.00	3	7.43	.....	.....
German .....	3	6.0	1	5.00	2	6.00	1	20.00	3	4.25	.....	.....
Irish .....	2	6.0	2	4.75	2	3.00	1	31.50	2	4.30	.....	.....
Total ...	8	6.0	6	6.08	4	4.50	4	29.38	8	5.46	.....	.....
<i>Belgium.</i>												
Belgian .....	10	6.0	4	.51	5	.52	10	9.07	4	1.38	6	8.21
Total ...	10	6.0	4	.51	5	.52	10	9.07	4	1.38	6	8.21
<i>Germany.</i>												
German .....	18	7.1	15	1.11	13	.71	18	5.17	17	2.77	5	4.28
Total ...	18	7.1	15	1.11	13	.71	18	5.17	17	2.77	5	4.28
<i>Gt. Britain.</i>												
English .....	124	5.5	62	3.78	40	2.42	114	4.82	120	4.24	83	14.54
Irish .....	4	5.5	2	24.33	2	8.52	4	7.91	4	8.27	4	53.53
Italian .....	1	9.0	.....	.....	.....	.....	.....	.....	.....	.....	1	2.43
Scotch .....	1	8.0	1	2.43	1	1.22	1	2.43	1	3.16	1	19.47
Welsh .....	36	4.9	17	5.62	19	2.39	27	4.23	33	3.00	22	10.44
Total ...	166	5.4	82	4.65	71	2.57	146	4.78	158	4.07	111	15.07



TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per Family.	Per individual.
<i>Alabama.</i>												
American...	43	4.7	31	\$16.74	38	\$14.60	43	\$19.02	43	\$35.35	\$330.70	\$70.40
English.....	6	4.8	5	23.40	5	15.60	6	13.67	6	66.83	416.63	86.20
French.....	1	6.0	.....	.....	.....	.....	1	4.00	1	25.00	255.50	42.58
German.....	1	7.0	1	3.00	1	22.00	1	15.00	1	45.00	393.00	56.14
Irish.....	2	5.0	2	20.00	2	10.50	2	31.00	2	36.00	3-6.85	77.37
Scotch.....	7	7.0	6	35.00	6	18.67	7	22.00	7	25.43	426.53	60.93
Total...	60	5.1	45	19.76	52	15.15	60	18.92	60	37.35	352.13	69.73
<i>Indiana.</i>												
American...	35	4.3	18	6.31	32	11.20	35	16.60	34	12.31	203.73	46.91
German.....	1	2.0	1	2.50	1	6.00	1	30.00	1	65.50	224.60	112.30
Total...	36	4.3	19	6.11	33	11.05	36	16.97	35	13.83	204.31	47.76
<i>Ohio.</i>												
American...	43	5.5	23	6.20	35	9.68	36	10.92	43	22.40	190.81	34.91
Canadian...	1	5.0	1	5.00	1	10.00	1	12.00	1	6.00	167.70	33.54
English.....	18	5.4	8	9.00	14	9.51	15	21.03	18	27.00	186.04	34.52
German.....	7	5.6	4	14.25	6	9.36	4	28.00	7	5.80	148.44	26.64
Irish.....	22	6.0	12	11.15	19	11.21	19	12.03	22	28.02	238.58	39.76
Swiss.....	3	5.0	3	9.67	3	4.47	3	8.00	3	32.00	164.50	32.90
Welsh.....	9	4.7	4	5.50	8	4.95	9	9.83	9	15.05	144.89	31.05
Total...	103	5.5	55	8.39	86	9.35	87	17.21	103	22.86	192.30	35.06
<i>Pennsylvania.</i>												
American...	72	5.0	34	12.18	60	7.39	63	20.13	72	26.23	211.76	42.00
Austrian...	1	4.0	1	13.00	1	5.30	1	3.50	1	21.40	127.19	31.80
Belgian.....	2	5.5	1	2.00	2	4.00	1	3.00	2	32.50	129.75	23.59
Danish.....	3	4.3	2	8.00	3	6.93	3	11.83	3	16.70	153.05	35.32
English.....	61	5.2	41	20.74	46	8.10	57	19.56	61	32.03	235.65	45.35
French.....	12	4.8	10	21.27	11	5.77	9	33.36	12	32.60	192.29	40.48
German.....	48	5.6	44	22.04	43	6.16	39	15.94	48	33.80	237.54	42.54
Hungarian...	3	4.7	3	34.42	3	6.17	3	3.83	3	25.27	190.06	40.73
Irish.....	19	5.6	12	29.29	18	9.66	16	25.52	19	27.40	257.06	45.65
Italian.....	1	3.0	1	25.00	1	13.20	1	15.00	1	30.00	299.02	99.67
Scotch.....	27	6.4	13	47.15	24	8.99	24	25.46	26	30.78	298.77	46.90
Swedish.....	2	4.0	.....	.....	2	4.50	2	14.00	2	23.40	143.99	36.00
Welsh.....	50	5.9	27	20.21	43	8.86	47	21.93	50	49.92	285.50	48.06
Total...	301	5.4	189	21.78	257	7.74	266	20.50	300	33.21	241.06	44.41
<i>W. Virginia.</i>												
American...	3	6.0	.....	.....	3	7.15	3	30.00	3	7.56	345.04	57.51
German.....	3	6.0	.....	.....	3	8.41	3	32.33	3	6.37	258.70	43.12
Irish.....	2	6.0	1	8.00	2	31.50	2	43.50	2	8.00	317.00	52.93
Total...	8	6.0	1	8.00	8	13.79	8	34.25	8	7.22	305.80	50.97
<i>Belgium.</i>												
Belgian.....	10	6.0	9	26.50	10	5.39	10	4.34	10	11.60	137.93	22.99
Total...	10	6.0	9	26.50	10	5.39	10	4.34	10	11.60	137.93	22.99
<i>Germany.</i>												
German.....	18	7.1	16	11.48	16	3.86	13	21.08	9	8.54	137.15	19.44
Total...	18	7.1	16	11.48	16	3.86	13	21.08	9	8.54	137.15	19.44
<i>Gt. Britain.</i>												
English.....	124	5.5	101	23.97	109	10.81	100	7.30	50	15.60	166.83	30.33
Irish.....	4	5.5	4	31.27	3	10.87	3	15.30	1	4.87	267.73	48.68
Italian.....	1	9.0	.....	.....	.....	.....	1	1.05	.....	.....	100.80	11.20
Scotch.....	1	8.0	1	12.65	1	6.33	1	43.80	.....	.....	207.41	25.93
Welsh.....	36	4.9	31	17.56	35	10.87	34	4.28	5	18.20	142.14	28.91
Total...	166	5.4	137	22.65	148	10.79	139	6.95	56	15.64	163.76	30.27

TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Hns. band.	All sources.	Surplus.		Deficit.	
										Fam. ilies.	Average.	Fam. ilies.	Average.
<i>Alabama.</i>													
American ..	43	4.7	3	\$45.60	\$210.03	\$330.70	\$583.14	\$551.17	\$629.45	22	\$160.40	21	\$73.22
English ...	6	4.8	1	55.20	255.36	416.63	717.99	703.95	762.61	3	154.17	3	64.93
French ....	1	6.0	.....	70.00	301.75	255.50	627.25	300.00	675.00	1	47.75	.....	.....
German ....	1	7.0	.....	36.00	339.00	393.00	763.00	739.67	739.67	.....	.....	1	28.33
Irish .....	2	5.0	.....	36.00	235.23	386.85	658.08	520.00	535.00	1	22.95	1	269.10
Scotch .....	7	7.0	2	50.80	297.21	426.53	760.03	649.08	894.80	7	134.77	.....	.....
Total..	60	5.1	6	46.89	229.25	352.13	623.58	575.79	673.17	34	147.22	26	78.07
<i>Indiana.</i>													
American ..	35	4.3	4	52.90	124.11	203.73	374.70	337.84	375.04	15	30.98	18	25.15
German....	1	2.0	1	.....	99.46	224.60	324.06	360.00	360.00	1	35.94	.....	.....
Total..	36	4.3	5	52.90	123.42	204.31	373.29	338.46	374.63	16	31.29	18	25.15
<i>Ohio.</i>													
American ..	43	5.5	9	45.33	198.31	190.81	423.91	374.15	432.38	21	81.32	22	61.07
Canadian ..	1	5.0	.....	57.00	292.95	167.70	517.65	375.25	525.25	1	7.60	.....	.....
English ...	18	5.4	4	46.57	197.02	186.04	419.28	344.66	422.33	8	76.98	10	56.11
German ....	7	5.6	3	42.75	202.05	148.44	374.91	378.53	422.10	6	75.59	1	123.18
Irish .....	22	6.0	10	55.92	249.57	238.58	518.65	400.93	587.12	13	133.87	9	25.98
Swiss .....	3	5.0	.....	60.00	175.61	164.50	400.11	378.75	378.75	.....	.....	3	21.36
Welsh .....	9	4.7	.....	51.67	244.33	144.89	440.89	277.20	397.12	2	17.94	7	61.40
Total..	103	5.5	26	48.58	213.56	192.30	441.71	366.69	459.23	51	89.43	52	52.99
<i>Pennsylvania.</i>													
American ..	72	5.0	18	66.67	231.41	211.76	492.25	411.85	499.50	38	67.47	31	65.85
Austrian ..	1	4.0	1	.....	185.70	127.19	312.89	428.26	428.26	1	115.37	.....	.....
Belgian ...	2	5.5	.....	46.50	190.18	129.75	366.43	392.56	437.56	2	71.13	.....	.....
Danish ....	3	4.3	3	.....	188.76	153.05	341.81	397.52	410.52	3	68.71	.....	.....
English ...	61	5.2	17	69.20	285.97	235.65	551.54	411.58	576.50	34	83.23	22	59.41
French ....	12	4.8	3	57.78	244.51	192.29	480.14	398.64	548.14	7	126.82	4	17.96
German ....	48	5.6	27	65.68	239.32	237.54	502.86	464.10	563.62	27	139.58	14	60.87
Hungarian ..	3	4.7	2	84.00	211.65	190.06	429.71	443.36	457.56	2	41.78	.....	.....
Irish .....	19	5.6	7	73.25	294.14	257.06	597.46	471.95	615.70	10	80.54	8	57.37
Italian ....	1	3.0	1	.....	193.09	299.02	492.11	465.00	465.00	.....	.....	1	27.11
Scotch .....	27	6.4	6	76.71	328.38	298.77	686.82	459.75	710.16	15	67.62	8	48.12
Swedish ...	2	4.0	1	48.00	171.13	143.99	339.11	385.00	385.00	2	45.89	.....	.....
Welsh .....	50	5.9	11	76.92	286.86	285.50	632.35	417.45	650.12	28	85.47	18	83.61
Total..	301	5.4	97	69.96	260.49	241.06	548.27	428.72	575.69	160	88.18	106	62.72
<i>W. Virginia.</i>													
American ..	3	6.0	.....	102.60	234.27	345.04	681.91	343.16	653.50	.....	.....	3	28.42
German ....	3	6.0	.....	63.33	231.14	258.70	553.17	389.91	579.91	2	95.77	1	111.31
Irish .....	2	6.0	.....	108.00	309.45	317.60	735.05	517.57	696.00	1	34.60	1	112.69
Total..	8	6.0	.....	89.23	251.89	305.80	646.92	404.30	636.53	3	75.38	5	61.85
<i>Belgium.</i>													
Belgian ...	10	6.0	1	18.96	218.26	137.93	371.36	291.50	426.55	8	75.13	2	24.55
Total..	10	6.0	1	18.96	218.26	137.93	371.36	291.50	426.55	8	75.13	2	24.55
<i>Germany.</i>													
German ....	18	7.1	.....	38.64	193.60	137.15	369.39	257.51	391.49	8	85.67	10	28.74
Total..	18	7.1	.....	38.64	193.60	137.15	369.39	257.51	391.49	8	85.67	10	28.74
<i>Gt. Britain.</i>													
English ...	124	5.5	1	49.69	244.50	166.83	460.63	385.98	498.12	87	56.20	12	20.09
Irish .....	4	5.5	.....	50.61	296.38	267.73	614.72	403.92	715.38	3	134.21	.....	.....
Italian ....	1	9.0	.....	47.45	324.52	100.80	472.77	202.45	504.18	1	31.41	.....	.....
Scotch .....	1	8.0	.....	50.61	225.71	207.41	483.73	408.79	457.46	.....	.....	1	20.27
Welsh .....	36	4.9	.....	39.57	245.54	142.14	427.26	345.72	461.74	23	58.68	6	18.06
Total..	166	5.4	1	47.50	246.35	163.76	457.32	376.72	495.25	114	58.54	19	19.78

TABLE XX.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Concluded.

## G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
Alabama.								
American.....	43	4.7	3	\$9.86	\$44.71	\$70.40	\$124.13	\$133.99
English.....	6	4.8	1	13.80	52.83	86.20	148.55	157.78
French.....	1	6.0	.....	11.67	50.29	42.58	104.54	112.50
German.....	1	7.0	.....	5.14	48.43	56.14	109.71	105.67
Irish.....	2	5.0	.....	7.20	47.05	77.37	131.62	107.00
Scotch.....	7	7.0	2	7.47	42.46	60.93	108.58	127.83
Total.....	60	5.1	6	9.66	45.40	69.73	123.48	133.30
Indiana.								
American.....	35	4.3	4	12.33	28.58	46.91	86.28	86.36
German.....	1	2.0	1	.....	49.73	112.30	162.03	180.00
Total.....	36	4.3	5	12.33	28.85	47.76	87.26	87.57
Ohio.								
American.....	43	5.5	9	8.80	36.29	34.91	77.57	79.12
Canadian.....	1	5.0	.....	11.40	58.59	33.54	103.53	105.05
English.....	18	5.4	4	8.58	36.56	34.52	77.81	78.37
German.....	7	5.6	3	7.77	36.27	26.64	67.29	75.76
Irish.....	22	6.0	10	10.32	41.60	39.76	86.44	97.85
Swiss.....	3	5.0	.....	12.00	35.12	32.90	80.02	75.75
Welsh.....	9	4.7	.....	11.07	52.36	31.05	94.48	85.10
Total.....	103	5.5	26	9.35	38.93	35.06	80.52	83.72
Pennsylvania.								
American.....	72	5.0	18	13.70	45.90	42.00	97.64	99.07
Austrian.....	1	4.0	1	.....	46.43	31.80	78.22	107.07
Belgian.....	2	5.5	.....	8.45	34.58	23.59	66.62	79.56
Danish.....	3	4.3	3	.....	43.56	35.32	78.88	94.73
English.....	61	5.2	17	12.63	51.18	45.35	106.13	110.94
French.....	12	4.8	3	10.83	51.48	40.48	101.08	115.40
German.....	48	5.6	27	13.71	42.86	42.54	90.06	100.95
Hungarian.....	3	4.7	2	16.80	45.35	40.73	92.08	98.05
Irish.....	19	5.6	7	12.56	52.23	45.65	106.09	109.33
Italian.....	1	3.0	1	.....	64.36	99.67	164.03	155.00
Scotch.....	27	6.4	6	12.02	51.55	46.90	107.82	111.48
Swedish.....	2	4.0	1	12.00	42.78	36.00	84.78	96.25
Welsh.....	50	5.9	11	13.33	48.29	43.06	106.46	109.45
Total.....	301	5.4	97	12.94	47.99	44.41	101.00	106.05
West Virginia.								
American.....	3	6.0	.....	17.10	39.05	57.51	113.66	108.92
German.....	3	6.0	.....	10.56	38.52	43.12	92.20	96.65
Irish.....	2	6.0	.....	18.00	51.57	52.93	122.50	116.00
Total.....	8	6.0	.....	14.87	41.98	50.97	107.82	106.09
Belgium.								
Belgian.....	10	6.0	1	3.10	36.38	22.99	61.89	71.09
Total.....	10	6.0	1	3.10	36.38	22.99	61.89	71.09
Germany.								
German.....	18	7.1	.....	5.48	27.44	19.44	52.36	55.49
Total.....	18	7.1	.....	5.48	27.44	19.44	52.36	55.49
Great Britain.								
English.....	124	5.5	1	9.04	44.46	30.33	83.75	90.57
Irish.....	4	5.5	.....	9.20	53.89	43.68	111.77	130.07
Italian.....	1	9.0	.....	5.27	36.06	11.20	52.53	56.02
Scotch.....	1	8.0	.....	6.33	28.21	25.93	60.47	57.18
Welsh.....	36	4.9	.....	8.05	49.94	28.91	86.90	93.91
Total.....	166	5.4	1	8.79	45.54	30.27	84.54	91.55



TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES.

## A.—SUMMARY OF CONDITION AS TO CHILDREN.

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>Alabama.</i>														
American...	5	8	1.6	10	14	1.4	11	24	2.2	8	54	2.8	11	30
Total...	5	8	1.6	10	14	1.4	11	24	2.2	8	54	2.8	11	30
<i>Pennsylvania.</i>														
American...	2	2	1.0	31	76	2.5	38	71	1.9	8	157	3.3	9	56
English....	3	4	1.3	11	25	2.3	12	25	2.1	.....	54	3.6	4	19
French.....	.....	.....	.....	2	3	1.5	1	2	2.0	.....	5	2.5	1	3
German.....	3	4	1.3	15	32	2.1	27	40	1.8	6	91	2.9	7	38
Hungarian...	.....	.....	.....	1	2	2.0	3	5	1.7	1	8	2.0	2	6
Irish.....	11	19	1.7	24	51	2.1	31	78	2.5	11	159	3.9	3	44
Italian.....	.....	.....	.....	2	5	2.5	3	8	2.7	.....	13	4.3	2	5
Polish.....	.....	.....	.....	2	5	2.5	12	19	1.6	4	28	2.2	1	14
Scotch.....	.....	.....	.....	.....	.....	.....	1	2	2.0	.....	2	2.0	1	2
Total...	19	29	1.5	88	199	2.3	128	259	2.0	30	517	3.3	30	187
<i>Tennessee.</i>														
American...	3	3	1.0	5	9	1.8	11	23	2.1	.....	35	2.9	3	15
Total...	3	3	1.0	5	9	1.8	11	23	2.1	.....	35	2.9	3	15
<i>W. Virginia.</i>														
American...	3	3	1.0	8	13	1.6	13	26	2.0	.....	42	2.8	2	17
Total...	3	3	1.0	8	13	1.6	13	26	2.0	.....	42	2.8	2	17
<i>Belgium.</i>														
Belgian.....	3	8	2.7	3	9	3.0	2	3	1.5	.....	20	5.0	.....	4
Total...	3	8	2.7	3	9	3.0	2	3	1.5	.....	20	5.0	.....	4
<i>Germany.</i>														
German....	2	4	2.0	6	11	1.8	8	15	1.9	4	34	3.4	.....	10
Total...	2	4	2.0	6	11	1.8	8	15	1.9	4	34	3.4	.....	10
<i>Gt. Britain..</i>														
English.....	3	3	1.0	6	13	2.2	4	5	1.3	.....	21	2.1	2	12
Irish.....	2	3	1.5	2	7	3.5	2	3	1.5	.....	13	4.3	.....	3
Total...	5	6	1.2	8	20	2.5	6	8	1.3	.....	34	2.6	2	15

TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## B.—SUMMARY OF SOURCES OF INCOME.

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands.	Wives.	Children.	Boarders.	Husbands.	Wives.	Children.	Boarders.	Average.	
<i>Alabama.</i>												
American..	30	4.2	30	.....	5	a 11	\$462.06	.....	\$236.00	a \$92.82	\$535.43	\$128.50
Total ..	30	4.2	30	.....	5	11	462.06	.....	236.00	92.82	535.43	128.50
<i>Pennsylvania.</i>												
American..	56	4.9	56	.....	2	b 9	565.54	.....	282.20	b 134.61	597.25	122.06
English....	19	4.9	19	.....	3	.....	529.79	.....	330.67	.....	582.00	118.00
French .....	3	3.7	3	.....	.....	.....	548.00	.....	.....	.....	548.00	149.45
German....	38	4.5	38	.....	3	c 3	566.64	.....	272.33	c 87.33	595.04	131.46
Hungarian..	6	5.8	6	.....	.....	2	449.67	.....	.....	492.00	613.67	105.20
Irish.....	44	5.6	44	.....	11	d 3	586.56	.....	409.36	d 112.00	696.53	124.08
Italian.....	5	4.6	5	.....	.....	.....	615.00	.....	.....	.....	615.00	133.70
Polish.....	14	5.2	14	.....	.....	e 3	553.21	.....	.....	e 402.00	639.86	122.62
Scotch.....	2	3.0	2	.....	.....	.....	447.50	.....	.....	.....	447.50	149.17
Total ..	187	5.0	187	.....	19	20	562.21	.....	361.92	199.98	620.37	124.47
<i>Tennessee.</i>												
American..	15	4.6	15	.....	3	f 4	221.59	.....	50.17	f 32.50	240.29	52.24
Total ..	15	4.6	15	.....	3	4	221.59	.....	50.17	32.50	240.29	52.24
<i>W. Virginia</i>												
American..	17	4.8	17	.....	3	g 4	369.31	.....	100.00	g 78.75	405.49	85.10
Total ..	17	4.8	17	.....	3	4	369.31	.....	100.00	78.75	405.49	85.10
<i>Belgium.</i>												
Belgian....	4	7.0	4	.....	3	.....	195.05	.....	244.27	.....	378.26	54.04
Total ..	4	7.0	4	.....	3	.....	195.05	.....	244.27	.....	378.26	54.04
<i>Germany.</i>												
German....	10	6.5	10	.....	2	h 5	273.70	.....	281.08	h 119.19	389.51	59.02
Total ..	10	6.5	10	.....	2	5	273.70	.....	281.08	119.19	389.51	59.92
<i>Gt. Britain.</i>												
English....	12	3.6	12	.....	3	.....	324.50	.....	73.81	.....	342.95	95.71
Irish.....	3	6.3	3	.....	2	.....	316.00	.....	311.46	.....	523.64	82.68
Total ..	15	4.1	15	.....	5	.....	322.80	.....	168.87	.....	379.09	91.72

a Including nine families with an average income of \$46.78 from sources not presented.

b Including seven families with an average income of \$115.64 from sources not presented.

c Including two families with an average income of \$35 from sources not presented.

d Including two families with an average income of \$72 from sources not presented.

e Including one family with an income of \$54 from sources not presented.

f Income from sources not presented.

g Including one family with an income of \$40 from sources not presented.

h Including one family with an income of \$47.60 from sources not presented.

TABLE XX.—**COKE**: SUMMARY OF COST OF LIVING FOR EACH STATE,  
BY NATIONALITIES—Continued.**C.—SUMMARY OF EXPENDITURE FOR RENT.**

Nationality of hnsband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Indi-vidual.
<i>Alabama.</i>								
American.....	30	4.2	2	28	2.3	.....	\$47.71	\$11.72
Total .....	30	4.2	2	28	2.3	.....	47.71	11.72
<i>Pennsylvania.</i>								
American.....	56	4.9	12	42	3.5	2	61.17	12.53
English.....	19	4.9	3	15	3.4	1	63.20	13.17
French.....	3	3.7	.....	3	3.7	.....	76.00	20.73
German.....	38	4.5	5	33	3.4	.....	61.18	13.46
Hungarian.....	6	5.8	.....	6	3.2	.....	65.00	11.14
Irish.....	44	5.6	7	37	3.9	.....	66.00	11.91
Italian.....	5	4.6	.....	5	4.0	.....	70.60	15.35
Polish.....	14	5.2	.....	14	4.0	.....	74.43	14.27
Scotch.....	2	3.0	.....	2	4.0	.....	60.00	20.00
Total .....	187	5.0	27	157	3.6	3	64.40	12.96
<i>Tennessee.</i>								
American.....	15	4.6	3	12	1.8	.....	29.75	7.14
Total .....	15	4.6	3	12	1.8	.....	29.75	7.14
<i>West Virginia.</i>								
American.....	17	4.8	1	14	4.5	2	33.86	6.97
Total .....	17	4.8	1	14	4.5	2	33.86	6.97
<i>Belgium.</i>								
Belgian.....	4	7.0	1	3	2.0	.....	25.67	3.85
Total .....	4	7.0	1	3	2.0	.....	25.67	3.85
<i>Germany.</i>								
German.....	10	6.5	.....	10	3.5	.....	38.87	5.98
Total .....	10	6.5	.....	10	3.5	.....	38.87	5.98
<i>Great Britain.</i>								
English.....	12	3.6	.....	12	2.8	.....	32.61	9.10
Irish.....	3	6.3	.....	3	3.7	.....	44.28	6.99
Total .....	15	4.1	.....	15	2.9	.....	34.94	8.45



**TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.****D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)**

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	30	4.2	29	\$21.90	27	\$23.05	22	\$16.14	9	\$7.22	5	\$1.92	26	\$5.59
Total....	30	4.2	29	21.90	27	23.05	22	16.14	9	7.22	5	1.92	26	5.59
<i>Pennsylvania.</i>														
American...	56	4.9	.....	.....	8	31.25	56	58.67	1	4.50	2	3.84	51	12.47
English.....	19	4.9	.....	.....	1	15.00	19	62.14	.....	.....	.....	.....	17	11.24
French.....	3	3.7	.....	.....	.....	.....	3	48.33	.....	.....	1	3.69	3	13.00
German.....	38	4.5	.....	.....	4	24.50	38	60.07	.....	.....	1	3.75	36	12.09
Hungarian...	6	5.8	.....	.....	.....	.....	6	52.00	.....	.....	.....	.....	5	10.04
Irish.....	44	5.6	.....	.....	.....	.....	44	78.90	.....	.....	3	9.60	43	16.38
Italian.....	5	4.6	.....	.....	.....	.....	5	50.60	.....	.....	2	9.43	4	12.21
Polish.....	14	5.2	.....	.....	1	6.00	14	45.70	.....	.....	.....	.....	12	10.18
Scotch.....	2	3.0	.....	.....	.....	.....	2	70.00	.....	.....	.....	.....	2	12.47
Total....	187	5.0	.....	.....	14	26.36	187	62.62	1	4.50	9	6.97	173	13.01
<i>Tennessee.</i>														
American...	15	4.6	.....	.....	.....	.....	15	44.92	.....	.....	.....	.....	9	5.86
Total....	15	4.6	.....	.....	.....	.....	15	44.92	.....	.....	.....	.....	9	5.86
<i>W. Virginia.</i>														
American...	17	4.8	.....	.....	.....	.....	17	50.97	.....	.....	.....	.....	11	10.62
Total....	17	4.8	.....	.....	.....	.....	17	50.97	.....	.....	.....	.....	11	10.62
<i>Belgium.</i>														
Belgian.....	4	7.0	.....	.....	.....	.....	4	40.05	.....	.....	.....	.....	4	5.98
Total....	4	7.0	.....	.....	.....	.....	4	40.05	.....	.....	.....	.....	4	5.98
<i>Germany.</i>														
German.....	10	6.5	.....	.....	.....	.....	10	55.36	.....	.....	.....	.....	.....	.....
Total....	10	6.5	.....	.....	.....	.....	10	55.36	.....	.....	.....	.....	.....	.....
<i>Gt. Britain.</i>														
English.....	12	3.6	.....	.....	11	12.07	12	51.67	.....	.....	1	2.43	9	7.03
Irish.....	3	6.3	.....	.....	2	25.55	2	96.48	.....	.....	.....	.....	2	19.96
Total....	15	4.1	.....	.....	13	14.14	14	58.07	.....	.....	1	2.43	11	9.38

TABLE XX.—**COKE**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)**

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	30	4.2	12	\$5.92	23	\$5.33	8	\$4.95	18	\$3.31	27	\$10.08	29	\$18.19
Total...	30	4.2	12	5.92	23	5.33	8	4.95	18	3.31	27	10.08	29	18.19
<i>Pennsylvania.</i>														
American...	56	4.9	40	13.85	44	30.30	33	4.22	52	5.29	49	9.82	56	14.80
English.....	19	4.9	16	15.78	18	31.73	11	3.94	16	3.75	17	12.49	19	15.95
French.....	3	3.7	3	15.21	3	31.83	.....	.....	3	2.67	3	9.61	3	10.30
German.....	38	4.5	33	13.66	36	27.85	24	5.59	36	2.91	38	11.33	36	14.32
Hungarian...	6	5.8	6	9.17	6	22.58	3	5.48	.....	.....	4	9.97	6	6.47
Irish.....	44	5.6	30	18.49	31	39.53	25	6.59	43	13.93	35	7.00	43	23.31
Italian.....	5	4.6	5	16.47	5	27.30	4	4.41	4	2.50	4	10.73	5	13.77
Polish.....	14	5.2	12	9.73	13	20.69	8	5.59	6	5.42	13	10.76	13	9.04
Scotch.....	2	3.0	1	21.90	2	25.80	1	8.32	.....	.....	2	11.34	2	10.13
Total...	187	5.0	146	14.56	158	30.51	109	5.22	160	6.81	165	9.96	183	18.00
<i>Tennessee.</i>														
American...	15	4.6	9	5.47	12	11.94	.....	.....	.....	.....	15	11.43	15	9.55
Total...	15	4.6	9	5.47	12	11.94	.....	.....	.....	.....	15	11.43	15	9.55
<i>W. Virginia.</i>														
American...	17	4.8	12	5.92	14	15.08	.....	.....	1	5.00	17	11.09	17	10.80
Total...	17	4.8	12	5.92	14	15.08	.....	.....	1	5.00	17	11.09	17	10.80
<i>Belgium.</i>														
Belgian.....	4	7.0	4	9.41	4	43.91	1	1.93	.....	.....	4	14.34	4	3.14
Total...	4	7.0	4	9.41	4	43.91	1	1.93	.....	.....	4	14.34	4	3.14
<i>Germany.</i>														
German.....	10	6.5	10	9.91	10	23.80	.....	.....	.....	.....	10	17.48	6	4.28
Total...	10	6.5	10	9.91	10	23.80	.....	.....	.....	.....	10	17.48	6	4.28
<i>Gt. Britain.</i>														
English.....	12	3.6	12	12.81	12	13.56	5	7.59	12	12.76	1	4.88	12	7.36
Irish.....	3	6.3	2	21.42	2	21.78	1	12.65	2	19.96	.....	.....	2	18.17
Total...	15	4.1	14	14.04	14	14.74	6	8.44	14	13.79	1	4.38	14	8.90

TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>														
American...	30	4.2	25	\$3.85	30	\$13.22	30	\$37.71	1	\$7.00	4	\$2.71	14	\$2.70
Total...	30	4.2	25	3.85	30	13.22	30	37.71	1	7.00	4	2.71	14	2.70
<i>Pennsylvania.</i>														
American...	56	4.9	38	2.81	46	7.15	56	34.32	21	3.42	5	3.73	54	6.31
English...	19	4.9	12	1.95	15	7.04	19	32.71	4	2.70	1	3.20	18	5.27
French...	3	3.7	1	1.00	2	6.25	3	25.95			1	2.40	3	3.24
German...	38	4.5	24	3.21	35	6.24	38	31.98	8	3.28	5	3.50	36	3.94
Hungarian...	6	5.8	4	3.30	4	3.83	6	21.47	3	2.71			6	3.73
Irish...	44	5.6	17	1.93	36	6.91	44	45.60	18	6.69	3	6.00	42	5.85
Italian...	5	4.6	4	6.26	4	3.58	5	37.46					5	2.96
Polish...	14	5.2	8	5.68	8	4.43	14	29.16	3	4.25			13	2.82
Scotch...	2	3.0	1	.80	2	10.80	2	31.40	1	9.10			2	1.23
Total...	187	5.0	109	2.98	152	6.58	187	35.45	58	4.47	15	3.98	179	5.08
<i>Tennessee.</i>														
American...	15	4.6					15	24.43						
Total...	15	4.6					15	24.43						
<i>W. Virginia.</i>														
American...	17	4.8					17	34.81						
Total...	17	4.8					17	34.81						
<i>Belgium.</i>														
Belgian...	4	7.0							4	70.88				
Total...	4	7.0							4	70.88				
<i>Germany.</i>														
German...	10	6.5					2	3.54	10	52.67				
Total...	10	6.5					2	3.54	10	52.67				
<i>Gt. Britain.</i>														
English...	12	3.6	2	1.22	11	4.42	12	24.77	1	15.82			1	6.33
Irish...	3	6.3			2	8.64	2	66.92						
Total...	15	4.1	2	1.22	13	5.07	14	30.79	1	15.82			1	6.33



TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE,  
BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)

Nationality of husband.	Families.		Potatoes.		Vegetables (not spec- ified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Aver- age size.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Family.	Individual.
<i>Alabama.</i>												
American...	30	4.2	30	\$3.08	30	\$2.85	.....	.....	30	\$26.90	\$189.32	\$45.44
Total...	30	4.2	30	6.08	30	2.85	.....	.....	30	26.90	189.32	45.44
<i>Pennsylvania.</i>												
American...	56	4.9	50	10.67	50	11.48	54	\$1.88	56	17.52	228.00	46.94
English.....	19	4.9	17	11.00	17	13.52	17	1.75	18	11.59	228.54	46.69
French.....	3	3.7	3	9.68	3	9.90	3	1.23	3	7.71	195.21	53.24
German.....	38	4.5	36	11.67	35	11.36	36	1.74	38	9.69	221.12	48.85
Hungarian...	6	5.8	6	10.93	6	10.09	6	2.46	6	4.67	167.41	28.70
Irish.....	44	5.6	43	16.07	39	12.54	44	2.40	44	24.26	295.92	52.72
Italian.....	5	4.6	5	10.56	5	10.34	5	4.44	5	4.93	214.35	46.60
Polish.....	14	5.2	14	9.99	14	8.50	14	3.20	14	8.41	174.86	33.53
Scotch.....	2	3.0	2	21.15	2	11.58	2	1.00	2	9.34	236.30	78.77
Total...	187	5.0	173	12.28	171	11.55	181	2.14	186	15.26	235.92	47.33
<i>Tennessee.</i>												
American...	15	4.6	14	5.76	.....	.....	.....	.....	15	11.49	123.55	26.86
Total...	15	4.6	14	5.76	.....	.....	.....	.....	15	11.49	123.55	26.86
<i>W. Virginia.</i>												
American...	17	4.8	15	11.54	.....	.....	.....	.....	17	22.95	164.57	34.54
Total...	17	4.8	15	11.54	.....	.....	.....	.....	17	22.95	164.57	34.54
<i>Belgium.</i>												
Belgian.....	4	7.0	4	19.69	.....	.....	.....	.....	4	4.06	211.93	30.28
Total...	4	7.0	4	19.69	.....	.....	.....	.....	4	4.06	211.93	30.28
<i>Germany.</i>												
German....	10	6.5	10	18.11	10	6.68	.....	.....	10	11.81	199.09	30.63
Total...	10	6.5	10	18.11	10	6.68	.....	.....	10	11.81	199.09	30.63
<i>Gt. Britain.</i>												
English.....	12	3.6	12	6.99	5	5.11	.....	.....	12	21.31	179.54	50.10
Irish.....	3	6.3	2	16.63	2	8.52	.....	.....	3	63.26	283.48	44.76
Total...	15	4.1	14	8.37	7	6.08	.....	.....	15	29.70	200.33	48.47

TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
							Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	30	4.2	19	\$14.63	30	\$4.42	30	\$49.57	30	\$28.77	20	\$63.40
Total...	30	4.2	19	14.63	30	4.42	30	49.57	30	28.77	20	63.40
<i>Pennsylvania.</i>												
American ..	56	4.9	20	18.36	54	2.20	56	45.26	55	31.97	47	56.47
English.....	19	4.9	7	16.31	19	2.49	19	32.26	18	22.39	14	59.79
French .....	3	3.7	3	17.87	3	2.37	3	35.67	3	22.33	2	31.38
German .....	38	4.5	22	14.04	37	2.52	38	44.16	38	29.97	31	46.80
Hungarian...	6	5.8	2	14.05	6	2.32	6	35.33	6	21.50	3	21.67
Irish .....	44	5.6	34	13.14	44	3.11	44	44.24	42	29.39	40	85.68
Italian.....	5	4.6	4	16.08	5	2.75	5	32.85	5	18.20	3	71.53
Polish .....	14	5.2	10	12.68	14	2.70	14	39.96	14	16.36	13	22.31
Scotch.....	2	3.0	2	10.05	2	1.92	2	47.50	2	45.00	1	28.00
Total...	187	5.0	113	15.00	184	2.57	187	42.30	183	28.09	154	58.63
<i>Tennessee.</i>												
American...	15	4.6	13	14.27	15	3.02	15	15.30	15	11.29	12	19.33
Total...	15	4.6	13	14.27	15	3.02	15	15.30	15	11.29	12	19.33
<i>W. Virginia.</i>												
American...	17	4.8	16	12.00	17	3.07	17	14.12	17	10.95	15	39.81
Total...	17	4.8	16	12.00	17	3.07	17	14.12	17	10.95	15	39.81
<i>Belgium.</i>												
Belgian.....	4	7.0	4	15.44	4	6.87	4	19.78	3	8.04	4	46.80
Total...	4	7.0	4	15.44	4	6.87	4	19.78	3	8.04	4	46.80
<i>Germany.</i>												
German ....	10	6.5	10	8.57	10	4.61	10	23.92	10	13.45	10	27.13
Total...	10	6.5	10	8.57	10	4.61	10	23.92	10	13.45	10	27.13
<i>Gt. Britain.</i>												
English.....	12	3.6	12	18.51	12	3.55	12	15.67	10	13.99	10	17.52
Irish .....	3	6.3	3	19.38	3	4.87	3	15.81	3	13.38	3	44.61
Total...	15	4.1	15	18.69	15	3.81	15	15.70	13	13.85	13	23.77

TABLE XX.—**COKE**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
	Total.	Average size.	Families.	Average cost.	Property.		Life.		Labor.		Other.	
					Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	30	4.2	22	\$4.18	.....	.....	.....	.....	2	\$4.50	7	\$9.86
Total...	30	4.2	22	4.18	.....	.....	.....	.....	2	4.50	7	9.86
<i>Pennsylvania.</i>												
American...	56	4.9	48	4.73	5	\$9.20	6	\$16.20	13	3.30	11	7.31
English.....	19	4.9	18	3.40	1	2.00	.....	.....	4	3.53	8	6.44
French.....	3	3.7	1	2.50	.....	.....	.....	.....	1	3.00	.....	.....
German.....	38	4.5	31	3.32	2	4.50	2	8.25	18	3.38	3	7.40
Hungarian...	6	5.8	1	2.00	.....	.....	1	12.40	1	3.00	.....	.....
Irish.....	44	5.6	35	4.15	3	15.33	4	11.95	30	4.11	2	2.65
Italian.....	5	4.6	2	1.83	.....	.....	.....	.....	1	3.24	.....	.....
Polish.....	14	5.2	2	1.70	.....	.....	1	28.80	3	3.24	.....	.....
Scotch.....	2	3.0	1	1.87	.....	.....	.....	.....	2	4.02	.....	.....
Total...	187	5.0	139	3.95	11	9.36	14	14.48	73	3.67	24	6.64
<i>Tennessee.</i>												
American...	15	4.6	12	2.46	.....	.....	.....	.....	1	6.00	1	3.00
Total...	15	4.6	12	2.46	.....	.....	.....	.....	1	6.00	1	3.00
<i>W. Virginia.</i>												
American...	17	4.8	17	2.65	.....	.....	7	11.86	.....	.....	7	4.57
Total...	17	4.8	17	2.65	.....	.....	7	11.86	.....	.....	7	4.57
<i>Belgium.</i>												
Belgian.....	4	7.0	1	4.83	1	6.76	.....	.....	1	2.32	.....	.....
Total...	4	7.0	1	4.83	1	6.76	.....	.....	1	2.32	.....	.....
<i>Germany.</i>												
German....	10	6.5	10	3.95	1	1.42	2	7.60	4	.88	3	2.86
Total...	10	6.5	10	3.95	1	1.42	2	7.60	4	.88	3	2.86
<i>Gt. Britain.</i>												
English.....	12	3.6	.....	.....	.....	.....	11	11.07	4	6.33	2	5.01
Irish.....	3	6.3	.....	.....	.....	.....	3	12.81	1	6.33	1	6.33
Total...	15	4.1	.....	.....	.....	.....	14	11.45	5	6.33	3	5.45



TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (\$.)

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>Alabama.</i>												
American...	30	4.2	23	\$6.24	29	\$2.07	30	\$15.67	15	\$3.64	23	\$11.52
Total...	30	4.2	23	6.24	29	2.07	30	15.67	15	3.64	23	11.52
<i>Pennsylvania.</i>												
American...	56	4.9	29	7.17	35	4.11	17	28.51	49	5.19	1	40.00
English.....	19	4.9	7	3.29	10	2.85	7	7.86	16	3.66	1	42.00
French.....	3	3.7	3	5.50	2	1.00	2	8.50	1	2.50		
German.....	38	4.5	15	5.13	24	5.21	16	49.58	24	4.52	2	13.66
Hungarian...	6	5.8	3	6.00	2	3.50			2	3.00		
Irish.....	44	5.6	36	10.53	33	5.82	14	21.86	31	6.41	2	92.50
Italian.....	5	4.6	2	4.50	1	3.00			2	5.50		
Polish.....	14	5.2	5	14.40	3	4.17	2	23.00	1	28.50	1	18.00
Scotch.....	2	3.0	2	3.00			1	40.00	1	1.00		
Total...	187	5.0	102	7.93	110	4.67	59	29.53	127	5.27	7	44.62
<i>Tennessee.</i>												
American...	15	4.6	6	3.07	5	.70	13	6.10	9	1.83	1	5.00
Total...	15	4.6	6	3.07	5	.70	13	6.19	9	1.83	1	5.00
<i>W. Virginia.</i>												
American...	17	4.8	6	1.67	17	2.44	17	11.13	14	2.89	17	7.29
Total...	17	4.8	6	1.67	17	2.44	17	11.13	14	2.89	17	7.29
<i>Belgium.</i>												
Belgian.....	4	7.0	4	.58	4	2.03	4	7.48	1	.58	4	4.35
Total...	4	7.0	4	.58	4	2.03	4	7.48	1	.58	4	4.35
<i>Germany.</i>												
German...	10	6.5	10	1.33	9	.91	10	8.93	8	2.40	7	11.73
Total...	10	6.5	10	1.33	9	.91	10	8.93	8	2.40	7	11.73
<i>Gt. Britain.</i>												
English.....	12	3.6	4	3.73	4	.98	8	2.07	11	2.65	1	16.06
Irish.....	3	6.3	3	3.81	1	2.43	2	3.17	3	3.59	1	26.77
Total...	15	4.1	7	3.77	5	1.27	10	2.29	14	2.85	2	21.42

TABLE XX.—**COKE**: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)**

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>Alabama.</i>												
American...	30	4.2	25	\$15.72	26	\$12.75	30	\$14.20	30	\$31.03	\$242.44	\$58.19
Total ...	30	4.2	25	15.72	26	12.75	30	14.20	30	31.03	242.44	58.19
<i>Pennsylvania.</i>												
American...	56	4.9	6	8.00	46	8.71	43	17.99	55	10.18	196.51	40.46
English.....	19	4.9	2	6.00	19	7.65	16	25.13	19	10.41	163.55	33.41
French .....	3	3.7	1	16.00	3	6.03	3	10.00	3	8.58	143.61	39.17
German.....	38	4.5	13	10.08	33	9.63	27	13.22	38	10.44	189.87	41.95
Hungarian...	6	5.8	5	75.32	5	6.05	4	13.00	6	8.30	167.51	28.72
Irish.....	44	5.6	16	12.08	40	8.08	34	21.46	44	13.44	242.21	43.15
Italian.....	5	4.6	5	29.50	5	5.96	5	13.50	5	7.40	171.92	37.37
Polish.....	14	5.2	11	49.77	14	5.89	12	13.33	14	12.83	173.68	33.31
Scotch.....	2	3.0	1	5.00	2	9.92	2	8.50	2	7.33	175.17	58.39
Total ...	187	5.0	60	24.62	167	8.19	146	17.73	186	11.04	198.19	39.77
<i>Tennessee.</i>												
American...	15	4.6	8	8.75	15	10.77	15	13.73	14	7.00	103.98	22.60
Total ...	15	4.6	8	8.75	15	10.77	15	13.73	14	7.00	103.98	22.60
<i>W. Virginia.</i>												
American...	17	4.8	11	15.14	15	9.63	17	12.00	17	14.26	152.38	31.98
Total ...	17	4.8	11	15.14	15	9.63	17	12.00	17	14.26	152.38	31.98
<i>Belgium.</i>												
Belgian ....	4	7.0	4	29.14	2	8.30	3	8.36	4	10.13	162.69	23.24
Total ...	4	7.0	4	29.14	2	8.30	3	8.36	4	10.13	162.69	23.24
<i>Germany.</i>												
German.....	10	6.5	10	20.14	8	4.52	10	16.99	8	11.14	155.36	23.90
Total ...	10	6.5	10	20.14	8	4.52	10	16.99	8	11.14	155.36	23.90
<i>Gt. Britain.</i>												
English.....	12	3.6	9	15.55	10	10.32	11	3.29	1	21.90	108.99	30.42
Irish.....	3	6.3	2	31.64	2	16.06	3	5.52	2	18.49	184.01	29.05
Total ...	15	4.1	11	18.47	12	11.27	14	3.84	3	19.63	124.00	30.00

TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.		Deficit.	
										Families.	Average.	Families.	Average.
<i>Alabama.</i>													
American .	30	4.2	2	\$47.71	\$189.32	\$242.44	\$476.29	\$462.06	\$535.43	16	\$145.64	14	\$39.73
Total...	30	4.2	2	47.71	189.32	242.44	476.29	462.06	535.43	16	145.64	14	39.73
<i>Pennsylvania.</i>													
American .	56	4.9	12	61.17	228.00	196.51	470.39	565.54	597.25	45	169.48	11	47.52
English ...	19	4.9	3	63.20	228.54	163.55	441.98	529.79	582.00	17	165.89	2	79.92
French ...	3	3.7	.....	76.00	195.21	143.61	414.82	548.00	548.00	3	132.18	.....	.....
German ...	38	4.5	5	61.18	221.12	189.87	464.12	566.04	595.04	34	153.81	4	63.66
Hungarian ...	6	5.8	.....	65.00	167.41	167.51	399.92	449.67	613.67	5	260.68	1	20.94
Irish ...	44	5.6	7	66.00	205.92	242.21	593.63	586.56	696.53	33	164.76	11	82.67
Italian ...	5	4.6	.....	70.60	214.35	171.92	456.87	615.00	615.00	4	200.18	1	10.08
Polish ...	14	5.2	.....	74.43	174.86	173.68	422.97	553.21	639.36	13	238.00	1	64.60
Scotch ...	2	3.0	.....	60.00	236.30	175.17	471.47	447.50	447.50	1	32.48	1	80.42
Total...	187	5.0	27	64.40	235.92	198.19	488.18	562.21	620.37	155	172.54	32	63.21
<i>Tennessee.</i>													
American .	15	4.6	3	29.75	123.55	103.98	251.32	221.59	240.29	4	10.44	11	18.84
Total...	15	4.6	3	29.75	123.55	103.98	251.32	221.59	240.29	4	10.44	11	18.84
<i>W. Virginia.</i>													
American .	17	4.8	1	33.86	164.57	152.38	344.83	369.31	405.49	16	64.97	1	8.30
Total...	17	4.8	1	33.86	164.57	152.38	344.83	369.31	405.49	16	64.97	1	8.30
<i>Belgium.</i>													
Belgian ...	4	7.0	1	25.67	211.93	162.69	393.86	195.05	378.26	1	78.90	3	47.11
Total...	4	7.0	1	25.67	211.93	162.69	393.86	195.05	378.26	1	78.90	3	47.11
<i>Germany.</i>													
German ...	10	6.5	.....	38.87	199.09	155.36	393.32	273.70	389.51	3	28.24	7	17.54
Total...	10	6.5	.....	38.87	199.09	155.36	393.32	273.70	389.51	3	28.24	7	17.54
<i>Gt. Britain.</i>													
English ...	12	3.6	.....	32.61	179.54	108.99	321.14	324.50	342.95	6	48.68	3	10.12
Irish ...	3	6.3	.....	44.28	283.48	184.01	511.77	316.00	523.64	2	38.55	1	41.51
Total...	15	4.1	.....	34.94	200.33	124.00	359.27	322.80	379.09	8	46.15	4	17.97



TABLE XX.—COKE: SUMMARY OF COST OF LIVING FOR EACH STATE,  
BY NATIONALITIES—Concluded.

## G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>Alabama.</i>								
American.....	30	4.2	2	\$11.72	\$45.44	\$58.19	\$114.31	\$128.50
Total .....	30	4.2	2	11.72	45.44	58.19	114.31	128.50
<i>Pennsylvania.</i>								
American.....	56	4.9	12	12.53	46.94	40.46	96.85	122.96
English.....	19	4.9	3	13.17	46.69	33.41	90.30	118.90
French.....	3	3.7	.....	20.73	53.24	39.17	113.14	149.45
German.....	38	4.5	5	13.46	48.85	41.95	102.54	131.46
Hungarian.....	6	5.8	.....	11.14	28.70	28.72	68.56	105.20
Irish.....	44	5.6	7	11.91	52.72	43.15	105.75	124.08
Italian.....	5	4.6	.....	15.35	46.60	37.37	99.32	133.70
Polish.....	14	5.2	.....	14.27	33.53	33.31	81.11	122.62
Scotch.....	2	3.0	.....	20.00	78.77	58.39	157.16	149.17
Total .....	187	5.0	27	12.96	47.33	39.77	97.95	124.47
<i>Tennessee.</i>								
American.....	15	4.6	3	7.14	26.86	22.60	54.63	52.24
Total .....	15	4.6	3	7.14	26.86	22.60	54.63	52.24
<i>West Virginia.</i>								
American.....	17	4.8	1	6.97	34.54	31.98	72.37	85.10
Total .....	17	4.8	1	6.97	34.54	31.98	72.37	85.10
<i>Belgium.</i>								
Belgian.....	4	7.0	1	3.85	30.28	23.24	56.27	54.04
Total .....	4	7.0	1	3.85	30.28	23.24	56.27	54.04
<i>Germany.</i>								
German.....	10	6.5	.....	5.98	30.63	23.90	60.51	59.92
Total .....	10	6.5	.....	5.98	30.63	23.90	60.51	59.92
<i>Great Britain.</i>								
English.....	12	3.6	.....	9.10	50.10	80.42	89.62	95.71
Irish.....	3	6.3	.....	6.99	44.76	29.05	80.80	82.68
Total .....	15	4.1	.....	8.45	48.47	30.00	80.92	91.72

**TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES.****A.—SUMMARY OF CONDITION AS TO CHILDREN.**

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>New York.</i>														
American...	2	2	1.0	4	12	3.0	12	29	2.4	3	46	3.8	1	13
English...	1	1	1.0	.....	.....	.....	1	3	3.0	2	6	3.0	1	3
French.....	.....	.....	.....	.....	.....	.....	2	3	1.5	.....	3	1.5	.....	2
Fr. Canadian.....	.....	.....	.....	.....	.....	.....	4	4	1.0	.....	4	1.0	3	7
Hungarian.....	.....	.....	.....	.....	.....	.....	1	2	2.0	.....	2	2.0	.....	1
Irish.....	1	2	2.0	7	23	3.3	9	20	2.2	5	50	5.0	1	11
Scotch.....	.....	.....	.....	1	1	1.0	.....	.....	.....	1	2	2.0	.....	1
Total...	4	5	1.3	12	36	3.0	29	61	2.1	11	113	3.5	6	38
<i>Ohio.</i>														
American...	1	3	3.0	8	13	1.6	11	19	1.7	1	36	2.4	1	16
English.....	.....	.....	.....	2	8	4.0	3	6	2.0	.....	14	4.7	.....	3
German.....	.....	.....	.....	1	4	4.0	2	2	1.0	.....	6	3.0	.....	2
Irish.....	.....	.....	.....	.....	.....	.....	1	2	2.0	1	3	3.0	1	2
Swiss.....	.....	.....	.....	4	13	3.3	4	9	2.3	.....	22	5.5	1	5
Welsh.....	.....	.....	.....	.....	.....	.....	1	2	2.0	.....	2	2.0	.....	1
Total...	1	3	3.0	15	38	2.5	22	40	1.8	2	83	3.2	3	29
<i>Pennsylvania.</i>														
American...	15	22	1.5	12	20	1.7	48	107	2.2	1	150	2.7	10	65
English.....	.....	.....	.....	.....	.....	.....	5	6	1.2	.....	6	1.2	1	6
German.....	1	4	4.0	.....	.....	.....	1	2	2.0	.....	6	6.0	1	2
Total...	16	26	1.6	12	20	1.7	54	115	2.1	1	162	2.7	12	73
<i>Tennessee.</i>														
American...	3	3	1.0	1	2	2.0	7	21	3.0	1	27	3.9	2	9
Total...	3	3	1.0	1	2	2.0	7	21	3.0	1	27	3.9	2	9
<i>Virginia.</i>														
American...	1	2	2.0	.....	.....	.....	10	29	2.9	11	42	3.5	4	16
Total...	1	2	2.0	.....	.....	.....	10	29	2.9	11	42	3.5	4	16
<i>Germany.</i>														
German.....	8	13	1.6	14	36	2.6	15	32	2.1	2	83	4.4	.....	19
Total...	8	13	1.6	14	36	2.6	15	32	2.1	2	83	4.4	.....	19

TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## B.—SUMMARY OF SOURCES OF INCOME.

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Hus-bands	Wives.	Chil-dren.	Board-ers.	Hus-bands.	Wives.	Chil-dren.	Board-ers.	Average.	
<i>New York.</i>												
American..	13	6.6	13	.....	2	4	\$420.78	.....	\$122.00	\$173.30	\$492.87	\$74.50
English....	3	5.0	3	.....	.....	1	235.50	.....	.....	240.00	365.50	73.10
French.....	2	4.0	2	.....	.....	1	461.67	.....	.....	52.00	487.67	121.92
Fr.Canadian	7	6.4	7	.....	.....	6	258.34	.....	.....	381.83	585.62	91.10
Hungarian..	1	8.0	1	.....	.....	1	389.75	.....	.....	448.00	837.75	104.72
Irish.....	11	7.2	11	.....	1	a 4	455.97	.....	460.00	a 124.00	542.88	75.59
Scotch.....	1	12.0	1	.....	.....	1	471.60	.....	.....	435.16	906.76	75.56
Total ..	38	6.7	38	.....	3	18	393.03	.....	234.67	258.63	534.07	80.22
<i>Ohio.</i>												
American..	16	4.6	16	.....	1	b 5	336.09	.....	620.00	b 56.78	392.59	86.05
English....	3	6.7	3	.....	.....	.....	503.33	.....	.....	.....	503.33	75.50
German.....	2	6.0	2	.....	.....	c 2	438.00	.....	.....	c 139.00	577.00	96.17
Irish.....	2	4.0	2	.....	.....	1	275.00	.....	.....	108.00	329.00	82.25
Swiss.....	5	6.6	5	.....	.....	.....	296.96	.....	.....	.....	296.96	44.99
Welsh.....	1	4.0	1	.....	.....	.....	240.00	.....	.....	.....	240.00	60.00
Total ..	29	5.2	29	.....	1	8	346.15	.....	620.00	83.74	390.63	75.52
<i>Pennsylvania.</i>												
American..	65	4.4	65	.....	14	d 28	274.31	.....	145.58	d 76.85	338.77	76.73
English....	6	3.3	6	.....	.....	e 2	368.40	.....	.....	e 94.00	399.74	119.92
German.....	2	5.0	2	.....	1	.....	150.00	.....	232.60	.....	281.00	56.20
Total ..	73	4.3	73	.....	15	30	278.64	.....	153.34	77.99	342.20	78.80
<i>Tennessee.</i>												
American..	9	5.6	9	.....	3	f 3	297.78	.....	176.67	f 108.67	392.89	70.72
Total ..	9	5.6	9	.....	3	3	297.78	.....	176.67	108.67	392.89	70.72
<i>Virginia.</i>												
American..	16	5.3	16	.....	1	g 11	329.48	.....	156.00	g 64.14	383.32	72.15
Total ..	16	5.3	16	.....	1	11	329.48	.....	156.00	64.14	383.32	72.15
<i>Germany.</i>												
German.....	19	6.6	19	.....	8	h 8	254.07	.....	148.54	h 76.22	348.71	53.00
Total ..	19	6.6	19	.....	8	8	254.07	.....	148.54	76.22	348.71	53.00

a Including one family with an income of \$60 from sources not presented.

b Including three families with an average income of \$27.30 from sources not presented.

c Including one family with an income of \$14 from sources not presented.

d Including twenty-six families with an average income of \$67.38 from sources not presented.

e Including one family with an income of \$20 from sources not presented.

f Including one family with an income of \$16 from sources not presented.

g Including nine families with an average income of \$27.31 from sources not presented.

h Income from sources not presented.



TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## C.—SUMMARY OF EXPENDITURE FOR RENT.

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not re- porting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Indi- vidual.
<i>New York.</i>								
American.....	13	6.6	4	7	3.3	2	\$31.09	\$4.11
English.....	3	5.0	.....	3	4.3	.....	47.00	9.40
French.....	2	4.0	.....	2	3.5	.....	24.00	6.00
French Canadian.....	7	6.4	.....	7	3.0	.....	20.86	3.24
Hungarian.....	1	8.0	.....	1	4.0	.....	84.00	10.50
Irish.....	11	7.2	5	6	6.3	.....	60.00	8.37
Scotch.....	1	12.0	.....	1	5.0	.....	24.00	2.00
Total.....	38	6.7	9	27	4.1	2	37.80	5.55
<i>Ohio.</i>								
American.....	16	4.6	6	9	2.4	1	37.53	8.66
English.....	3	6.7	.....	3	3.0	.....	39.96	5.99
German.....	2	6.0	.....	1	3.0	1	48.00	9.60
Irish.....	2	4.0	1	1	2.0	.....	39.96	19.98
Swiss.....	5	6.6	.....	5	2.6	.....	33.80	5.12
Welsh.....	1	4.0	1	.....	.....	.....	.....	.....
Total.....	29	5.2	8	19	2.6	2	37.61	7.22
<i>Pennsylvania.</i>								
American.....	65	4.4	17	45	3.6	3	30.29	7.03
English.....	6	3.3	.....	5	3.8	1	38.40	11.29
German.....	2	5.0	.....	2	3.5	.....	39.00	7.80
Total.....	73	4.3	17	52	3.7	4	31.40	7.39
<i>Tennessee.</i>								
American.....	9	5.6	1	8	1.9	.....	18.00	3.69
Total.....	9	5.6	1	8	1.9	.....	18.00	3.69
<i>Virginia.</i>								
American.....	16	5.3	9	5	3.0	2	32.70	8.18
Total.....	16	5.3	9	5	3.0	2	32.70	8.18
<i>Germany.</i>								
German.....	19	6.6	12	7	2.4	.....	31.38	5.78
Total.....	19	6.6	12	7	2.4	.....	31.38	5.78

TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>New York.</i>														
American...	13	6.6	13	\$31.38	13	\$29.05	4	\$18.00	-----	-----	8	\$2.73	10	\$7.72
English.....	3	5.0	3	51.67	2	26.00	2	35.00	-----	-----	3	3.33	3	5.50
French.....	2	4.0	2	30.00	2	30.00	-----	-----	-----	-----	1	2.00	-----	-----
Fr. Canadian	7	6.4	7	29.57	7	41.11	3	19.67	-----	-----	4	3.00	6	8.75
Hungarian...	1	8.0	1	80.00	-----	-----	1	30.00	-----	-----	1	4.50	1	16.00
Irish.....	11	7.2	11	34.64	7	24.54	9	17.89	-----	-----	8	3.76	6	8.08
Scotch.....	1	12.0	1	25.00	1	10.00	1	40.00	-----	-----	1	4.00	-----	-----
Total...	38	6.7	38	34.63	32	29.98	20	21.60	-----	-----	26	3.25	26	8.10
<i>Ohio.</i>														
American...	16	4.6	-----	-----	1	12.85	16	53.16	-----	-----	2	7.50	7	15.02
English.....	3	6.7	-----	-----	-----	-----	3	80.67	-----	-----	3	5.33	2	4.13
German.....	2	6.0	-----	-----	-----	-----	2	108.00	-----	-----	-----	-----	2	8.40
Irish.....	2	4.0	-----	-----	-----	-----	2	70.50	-----	-----	-----	-----	1	4.80
Swiss.....	5	6.6	-----	-----	-----	-----	5	43.00	-----	-----	-----	-----	1	12.00
Welsh.....	1	4.0	-----	-----	1	25.00	-----	-----	-----	-----	-----	-----	1	4.00
Total...	29	5.2	-----	-----	2	18.93	28	59.45	-----	-----	5	6.20	14	10.79
<i>Pennsylvania.</i>														
American...	65	4.4	18	23.51	16	26.82	45	59.85	-----	-----	-----	-----	7	7.95
English.....	6	3.3	1	24.00	1	12.50	5	58.59	-----	-----	-----	-----	-----	-----
German.....	2	5.0	-----	-----	-----	-----	2	49.38	-----	-----	-----	-----	-----	-----
Total...	73	4.3	19	23.54	17	25.98	52	59.33	-----	-----	-----	-----	7	7.95
<i>Tennessee.</i>														
American...	9	5.6	9	8.44	9	12.33	7	19.00	6	\$5.50	-----	-----	3	2.50
Total...	9	5.6	9	8.44	9	12.33	7	19.00	6	5.50	-----	-----	3	2.50
<i>Virginia.</i>														
American...	16	5.3	-----	-----	16	30.50	14	12.44	13	2.81	14	.94	15	2.63
Total...	16	5.3	-----	-----	16	30.50	14	12.44	13	2.81	14	.94	15	2.63
<i>Germany.</i>														
German.....	19	6.6	-----	-----	7	23.09	19	33.41	-----	-----	-----	-----	12	6.38
Total...	19	6.6	-----	-----	7	23.09	19	33.41	-----	-----	-----	-----	12	6.38

TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Aver- age size.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.
<i>New York.</i>														
American...	13	6.6	9	\$11.98	13	\$37.87	6	\$1.93	13	\$11.20	12	\$7.16	13	\$21.59
English.....	3	5.0	-----	-----	3	28.00	2	2.45	3	8.40	3	12.20	3	18.67
French.....	2	4.0	1	6.00	2	25.00	1	.60	2	10.50	2	3.99	2	12.40
Fr. Canadian	7	6.4	2	7.60	7	30.86	-----	-----	7	15.43	2	3.19	7	24.36
Hungarian...	1	8.0	1	20.00	1	48.00	-----	-----	1	15.00	1	15.00	1	22.00
Irish.....	11	7.2	8	19.50	11	36.02	8	2.58	11	10.85	8	7.67	11	22.22
Scotch.....	1	12.0	1	18.00	1	50.00	1	1.50	1	12.00	1	13.68	1	32.00
Total...	38	6.7	22	14.63	38	35.17	18	2.18	38	11.74	29	7.82	38	21.85
<i>Ohio.</i>														
American...	16	4.6	6	9.35	8	27.70	2	3.30	11	4.50	16	8.43	14	13.99
English.....	3	6.7	1	9.10	2	32.44	-----	-----	3	1.50	3	13.67	3	14.33
German.....	2	6.0	1	18.25	2	31.52	1	4.50	2	11.40	2	13.68	2	21.00
Irish.....	2	4.0	2	4.38	2	25.44	1	1.50	1	1.50	2	9.72	2	15.00
Swiss.....	5	6.6	-----	-----	1	21.60	1	26.00	-----	-----	5	9.78	5	10.00
Welsh.....	1	4.0	-----	-----	-----	-----	-----	-----	1	1.00	1	5.75	1	18.00
Total...	29	5.2	10	9.22	15	28.13	5	7.72	18	4.41	29	9.56	27	14.03
<i>Pennsylvania.</i>														
American...	65	4.4	35	8.34	44	17.45	-----	-----	15	3.41	61	7.35	63	14.19
English.....	6	3.3	3	6.09	5	22.68	-----	-----	5	5.15	6	6.90	6	16.28
German.....	2	5.0	1	2.60	2	27.20	-----	-----	-----	-----	2	20.20	2	13.52
Total...	72	4.3	39	8.02	51	18.34	-----	-----	20	3.85	69	7.68	71	14.34
<i>Tennessee.</i>														
American...	9	5.6	1	4.00	6	9.50	3	1.14	1	2.40	9	15.08	8	14.49
Total...	9	5.6	1	4.00	6	9.50	3	1.14	1	2.40	9	15.08	8	14.49
<i>Virginia.</i>														
American...	16	5.3	10	2.69	15	8.19	9	.69	4	2.58	15	11.37	16	11.78
Total...	16	5.3	10	2.69	15	8.19	9	.69	4	2.58	15	11.37	16	11.78
<i>Germany.</i>														
German.....	19	6.6	13	7.64	17	34.41	-----	-----	-----	-----	19	14.76	18	3.28
Total...	19	6.6	12	7.64	17	34.41	-----	-----	-----	-----	19	14.76	18	3.28



TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>New York.</i>														
American...	13	6.6	7	\$2.76	12	\$3.08	13	\$41.25	8	\$1.46	7	\$1.02	10	\$4.04
English.....	3	5.0	2	2.00	3	6.83	3	33.83	2	13.50			3	3.50
French.....	2	4.0	2	1.50	2	5.63	2	39.00	1	2.00			2	8.25
Fr.Canadian	7	6.4	3	3.00	7	10.41	7	41.40	1	4.00	5	2.03	6	6.21
Hungarian...	1	8.0			1	4.00	1	101.00						
Irish.....	11	7.2	8	3.22	8	6.59	11	65.62	7	1.70	2	1.15	7	3.54
Scotch.....	1	12.0	1	8.00	1	10.80	1	60.00	1	2.70			1	12.00
Total...	38	6.7	23	2.79	34	7.92	38	49.69	20	2.97	14	1.40	29	4.87
<i>Ohio.</i>														
American...	16	4.6	10	1.99	9	8.75	16	30.86	3	3.31	4	1.56	7	8.10
English.....	3	6.7	2	2.50	2	8.10	3	36.77	1	3.60			3	8.42
German.....	2	6.0	2	2.10	2	10.50	2	45.62	1	8.00			2	2.92
Irish.....	2	4.0	2	3.00	2	3.94	2	33.88					2	1.88
Swiss.....	5	6.6			1	15.00	5	38.50			2	3.75		
Welsh.....	1	4.0	1	1.00	1	3.00	1	21.00	1	.96			1	8.20
Total...	29	5.2	17	2.12	17	8.34	29	33.67	6	3.75	6	2.29	15	6.65
<i>Pennsylvania.</i>														
American...	65	4.4	20	6.50	20	8.26	64	32.59	1	11.00			9	7.00
English.....	6	3.3	3	4.90	2	11.40	6	31.30					3	8.20
German.....	2	5.0	2	10.40			2	25.60					1	4.56
Total...	73	4.3	31	6.60	22	8.64	72	32.20	1	11.00			13	7.09
<i>Tennessee.</i>														
American...	9	5.6	9	2.89	9	12.28	9	42.54					3	2.67
Total...	9	5.6	9	2.89	9	12.28	9	42.54					3	2.67
<i>Virginia.</i>														
American...	16	5.3	15	1.65	16	10.06	16	47.20			7	1.43	12	2.97
Total...	16	5.3	15	1.65	16	10.06	16	47.20			7	1.43	12	2.97
<i>Germany.</i>														
German.....	19	6.6			1	23.80	12	9.08	19	44.37	1	2.38		
Total...	19	6.6			1	23.80	12	9.08	19	44.37	1	2.38		

**TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.****D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>New York.</i>												
American....	13	6.6	12	\$11.18	11	\$3.81	.....	.....	13	\$16.38	\$244.72	\$36.99
English.....	3	5.0	3	6.50	3	3.93	.....	.....	3	16.67	251.67	50.33
French.....	2	4.0	2	13.75	2	3.89	.....	.....	2	17.50	206.71	51.68
Fr. Canadian	7	6.4	7	14.79	7	6.90	.....	.....	7	18.43	262.45	40.82
Hungarian..	1	8.0	1	28.00	1	8.25	.....	.....	1	20.00	411.75	51.47
Irish.....	11	7.2	9	11.10	9	3.59	.....	.....	10	16.60	266.17	37.06
Sootch.....	1	12.0	.....	.....	1	6.88	.....	.....	1	15.00	316.56	26.38
Total...	38	6.7	34	12.13	34	4.62	.....	.....	37	16.97	259.03	38.12
<i>Ohio.</i>												
American....	16	4.6	11	6.03	10	6.86	11	\$1.33	15	10.11	163.39	35.81
English.....	3	6.7	2	12.00	3	4.17	3	1.17	3	2.33	212.03	31.80
German.....	2	6.0	2	8.60	2	10.50	2	1.38	2	8.75	299.74	49.96
Irish.....	2	4.0	2	7.50	2	5.75	.....	.....	2	2.88	188.63	47.16
Swiss.....	5	6.6	1	10.50	.....	.....	5	1.25	5	9.80	130.85	19.83
Welsh.....	1	4.0	.....	.....	1	1.00	1	1.25	1	31.00	121.16	30.29
Total...	29	5.2	18	7.39	18	6.37	24	1.25	28	9.35	172.50	33.35
<i>Pennsylvania.</i>												
American....	65	4.4	49	8.95	2	9.00	.....	.....	65	17.10	155.67	35.26
English.....	6	3.3	6	10.11	3	8.55	.....	.....	6	13.88	174.24	52.27
German.....	2	5.0	1	8.80	1	6.00	.....	.....	2	11.50	168.78	33.76
Total...	73	4.3	56	9.07	6	8.28	.....	.....	73	16.68	157.55	36.28
<i>Tennessee.</i>												
American....	9	5.6	9	8.43	9	3.29	.....	.....	8	20.25	163.76	29.48
Total...	9	5.6	9	8.43	9	3.29	.....	.....	8	20.25	163.76	29.48
<i>Virginia.</i>												
American....	16	5.3	12	2.60	13	5.12	16	2.34	16	7.06	156.93	29.54
Total...	16	5.3	12	2.60	13	5.12	16	2.34	16	7.06	156.93	29.54
<i>Germany.</i>												
Gorman.....	19	6.6	16	14.20	14	2.55	3	2.41	19	9.07	174.60	26.54
Total...	19	6.6	16	14.20	14	2.55	3	2.41	19	9.07	174.60	26.54

TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
							Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>New York.</i>												
American ..	13	6.6	13	\$63.23	13	\$3.39	13	\$36.31	13	\$15.33	12	\$39.33
English .....	3	5.0	3	42.00	3	2.56	3	36.67	3	16.67	1	60.00
French .....	2	4.0	2	75.00	2	2.64	2	42.50	2	15.50	2	17.00
Fr.Canadian..	7	6.4	7	49.64	7	2.65	7	32.86	7	12.71	4	12.25
Hungarian...	1	8.0	1	55.00	1	3.00	1	50.00	1	25.00	1	20.00
Irish .....	11	7.2	11	47.82	11	3.01	11	44.55	10	19.70	10	72.70
Scotch .....	1	12.0	1	43.00	1	3.60	1	30.00	1	20.00	1	60.00
Total ...	38	6.7	38	56.17	38	3.03	38	33.61	37	16.54	31	46.06
<i>Ohio.</i>												
American...	16	4.6	9	14.22	16	2.79	16	26.00	16	15.69	15	35.40
English .....	3	6.7	.....	.....	3	2.70	3	31.67	3	21.67	3	76.67
German .....	2	6.0	.....	.....	2	3.72	2	70.00	2	30.00	2	52.50
Irish .....	2	4.0	.....	.....	2	2.70	2	37.50	2	20.00	1	30.00
Swiss .....	5	6.6	4	14.50	5	2.09	5	22.80	5	18.60	4	43.75
Welsh .....	1	4.0	.....	.....	1	1.80	1	50.00	1	15.00	1	6.00
Total ...	29	5.2	13	14.31	29	2.68	29	30.69	29	18.07	26	41.42
<i>Pennsylvania.</i>												
American...	65	4.4	62	14.82	65	2.96	65	25.25	64	15.03	55	33.71
English .....	6	3.3	6	17.08	6	3.25	6	32.05	6	23.65	5	17.54
German .....	2	5.0	2	18.90	2	3.66	2	18.50	2	8.50	1	125.00
Total ...	73	4.3	70	15.13	73	3.01	73	25.63	72	15.56	61	33.88
<i>Tennessee.</i>												
American...	9	5.6	9	12.36	9	4.42	9	21.11	9	12.33	7	47.14
Total ...	9	5.6	9	12.36	9	4.42	9	21.11	9	12.33	7	47.14
<i>Virginia.</i>												
American...	16	5.3	16	18.41	15	4.87	16	32.35	16	21.76	12	28.71
Total ...	16	5.3	16	18.41	15	4.87	16	32.35	16	21.76	12	28.71
<i>Germany.</i>												
German .....	19	6.0	19	11.39	19	3.68	19	18.61	19	10.41	19	36.33
Total ...	19	6.6	19	11.39	19	3.68	19	18.61	19	10.41	19	36.33



TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>New York.</i>												
American...	13	6.6	4	\$2.14	2	\$1.83					3	\$5.67
English...	3	5.0									1	6.00
French...	2	4.0										
Fr. Canadian...	7	6.4										
Hungarian...	1	8.0									1	5.00
Irish...	11	7.2	7	3.67	4	2.44	1	\$7.20			8	6.19
Scotch...	1	12.0										
Total...	38	6.7	11	3.11	6	2.23	1	7.20			13	5.96
<i>Ohio.</i>												
American...	16	4.6	7	3.81	1	3.30					1	20.00
English...	3	6.7	1	3.00								
German...	2	6.0	2	3.00	1	3.00						
Irish...	2	4.0	1	4.10								
Swiss...	5	6.6										
Welsh...	1	4.0	1	3.50								
Total...	29	5.2	12	3.61	2	3.15					1	20.00
<i>Pennsylvania.</i>												
American...	65	4.4	61	3.54	13	1.98	2	15.50			11	5.66
English...	6	3.3	2	2.18	2	.82					3	6.72
German...	2	5.0	1	2.50								
Total...	73	4.3	64	3.48	15	1.83	2	15.50			14	5.88
<i>Tennessee.</i>												
American...	9	5.6	8	4.09								
Total...	9	5.6	8	4.09								
<i>Virginia.</i>												
American...	16	5.3	13	2.32	1	.60	1	10.00			2	3.10
Total...	16	5.3	13	2.32	1	.60	1	10.00			2	3.10
<i>Germany.</i>												
German....	19	6.6	19	4.54	13	2.70	19	7.11	3	\$1.52	4	1.38
Total...	19	6.6	19	4.54	13	2.70	19	7.11	3	1.52	4	1.38

TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>New York.</i>												
American.....	13	6.6	8	\$5.56	2	\$1.00	13	\$19.23	9	\$2.61	2	\$2.00
English.....	3	5.0	-----	-----	1	2.00	3	19.33	1	3.00	-----	-----
French.....	2	4.0	1	2.00	-----	-----	2	28.50	-----	-----	1	2.00
Fr. Canadian.....	7	6.4	4	6.25	-----	-----	7	22.29	-----	-----	3	10.67
Hungarian.....	1	8.0	-----	-----	-----	-----	1	5.00	-----	-----	-----	-----
Irish.....	11	7.2	10	13.10	-----	-----	11	8.00	9	3.50	3	5.67
Scotch.....	1	12.0	1	2.00	-----	-----	1	5.00	1	6.00	1	4.00
Total...	38	6.7	24	8.52	3	1.33	38	16.29	20	3.20	10	5.90
<i>Ohio.</i>												
American.....	16	4.6	5	2.50	3	2.67	9	47.33	11	4.40	2	100.80
English.....	3	6.7	-----	-----	-----	-----	1	24.00	3	4.87	-----	-----
German.....	2	6.0	-----	-----	1	1.50	2	36.00	2	3.00	-----	-----
Irish.....	2	4.0	1	1.00	-----	-----	2	13.00	2	.80	-----	-----
Swiss.....	5	6.6	2	2.00	1	3.00	1	6.00	4	4.31	-----	-----
Welsh.....	1	4.0	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----
Total...	29	5.2	8	2.19	5	2.50	15	36.93	22	3.99	2	100.80
<i>Pennsylvania.</i>												
American.....	65	4.4	49	2.22	5	2.50	54	17.12	41	3.85	8	5.13
English.....	6	3.3	3	1.67	-----	-----	6	40.61	5	5.69	2	10.00
German.....	2	5.0	2	1.13	-----	-----	2	14.00	1	2.00	-----	-----
Total...	73	4.3	54	2.15	5	2.50	62	19.29	47	4.00	10	6.10
<i>Tennessee.</i>												
American.....	9	5.6	6	3.17	6	1.00	8	17.60	2	1.50	6	3.25
Total...	9	5.6	6	3.17	6	1.00	8	17.60	2	1.50	6	3.25
<i>Virginia.</i>												
American.....	16	5.3	13	5.05	7	1.00	15	21.75	12	3.28	16	6.87
Total...	16	5.3	13	5.05	7	1.00	15	21.75	12	3.28	16	6.87
<i>Germany.</i>												
German.....	19	6.6	19	1.48	15	.64	19	12.86	16	2.41	5	3.00
Total...	19	6.6	19	1.48	15	.64	19	12.86	16	2.41	5	3.00

TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>New York.</i>												
American...	13	6.6	2	\$10.00	13	\$8.37	13	\$17.23	11	\$30.00	\$239.77	\$36.24
English.....	3	5.0	-----	-----	3	8.93	3	15.00	2	13.00	173.49	34.70
French.....	2	4.0	-----	-----	2	9.00	2	8.50	2	12.00	212.64	53.16
Fr. Canadian	7	6.4	1	28.00	6	8.67	7	17.29	7	19.00	183.00	28.47
Hungarian...	1	8.0	-----	-----	1	5.00	1	12.00	1	20.00	200.00	25.00
Irish.....	11	7.2	1	20.00	11	6.06	11	14.27	10	23.70	255.77	35.61
Scotch.....	1	12.0	-----	-----	1	6.00	1	12.50	1	115.00	307.10	25.59
Total...	38	6.7	4	17.00	37	7.66	38	15.49	34	26.03	228.01	34.25
<i>Ohio.</i>												
American...	16	4.6	6	2.42	13	10.58	9	12.94	16	36.53	185.63	40.69
English.....	3	6.7	-----	-----	3	9.35	3	24.67	3	38.83	218.92	32.84
German.....	2	6.0	-----	-----	2	6.25	2	8.50	2	29.50	244.72	40.79
Irish.....	2	4.0	-----	-----	2	10.40	1	9.00	2	7.23	113.68	28.42
Swiss.....	5	6.6	4	6.50	4	3.20	5	9.00	5	33.40	146.30	22.17
Welsh.....	1	4.0	-----	-----	1	12.00	1	3.00	1	12.55	103.85	25.96
Total...	29	5.2	10	4.05	25	8.95	21	12.60	29	32.84	178.58	34.53
<i>Pennsylvania.</i>												
American...	65	4.4	29	8.78	53	10.60	58	22.04	52	22.57	160.25	36.29
English.....	6	3.3	2	15.50	4	8.42	6	23.30	6	16.29	194.90	58.47
German.....	2	5.0	1	25.00	2	7.92	2	25.00	1	10.00	179.86	35.97
Total...	73	4.3	32	9.70	59	10.36	66	22.24	59	21.72	163.64	37.68
<i>Tennessee.</i>												
American...	9	5.6	6	4.50	7	14.83	9	16.78	9	26.00	168.76	30.38
Total...	9	5.6	6	4.50	7	14.83	9	16.78	9	26.00	168.76	30.38
<i>Virginia.</i>												
American...	16	5.3	14	8.57	13	13.14	16	17.20	16	28.14	199.32	37.52
Total...	16	5.3	14	8.57	13	13.14	16	17.20	16	28.14	199.32	37.52
<i>Germany.</i>												
German.....	19	6.6	17	7.53	18	4.01	18	13.87	19	43.08	178.85	27.19
Total...	19	6.6	17	7.53	18	4.01	18	13.87	19	43.08	178.85	27.19



TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Continued.

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.		Deficit.	
										Families.	Average.	Families.	Average.
New York.													
American . .	13	6.6	4	\$31.09	\$244.72	\$239.77	\$501.23	\$420.78	\$492.87	6	\$68.25	7	\$74.03
English . . .	3	5.0	.....	47.00	251.67	173.49	472.16	285.60	365.50	1	.90	2	160.44
French . . .	2	4.0	.....	24.00	206.71	212.64	443.35	461.67	487.67	2	44.32	.....	.....
Fr. Canad. .	7	6.4	.....	20.86	262.45	183.00	466.31	258.34	585.62	5	186.95	2	47.28
Hungarian .	1	8.0	.....	84.00	411.75	200.00	695.75	389.75	837.75	1	142.00	.....	.....
Irish . . . .	11	7.2	5	60.00	266.17	255.77	554.68	455.97	542.83	5	42.77	6	57.27
Scotch . . .	1	12.0	.....	24.00	316.56	307.10	647.66	471.60	906.76	1	259.10	.....	.....
Total..	38	6.7	9	37.80	259.03	228.01	613.90	393.03	534.07	21	97.32	17	75.13
Ohio.													
American . .	16	4.0	6	37.53	163.39	185.63	370.13	336.09	392.59	11	45.47	5	28.19
English . . .	8	6.7	.....	39.96	212.03	218.92	470.91	503.33	503.33	1	210.35	2	56.54
German . . .	2	6.0	.....	48.00	299.74	244.72	568.46	438.00	577.00	1	124.79	1	107.70
Irish . . . .	2	4.0	1	39.96	188.63	113.68	322.29	275.00	329.00	1	38.84	1	25.41
Swiss . . . .	5	6.6	.....	33.80	130.85	146.80	310.95	296.96	296.96	2	4.20	3	26.11
Welsh . . . .	1	4.0	1	.....	121.16	103.85	225.01	240.00	240.00	1	14.99	.....	.....
Total..	20	5.2	8	37.61	172.50	178.58	375.73	346.15	390.63	17	52.80	12	38.79
Pennsylvania													
American . .	05	4.4	17	30.29	155.67	160.25	336.89	274.31	338.77	26	51.64	39	31.29
English . . .	6	3.3	.....	38.40	174.24	194.90	401.15	368.40	399.74	3	24.65	3	27.43
German . . .	2	5.0	.....	39.00	168.78	179.86	387.64	150.00	281.00	.....	.....	2	106.64
Total..	73	4.3	17	31.40	167.55	163.64	343.56	278.64	342.20	29	48.85	44	34.45
Tennessee.													
American . .	9	5.0	1	18.00	163.76	168.76	348.52	297.78	392.89	8	52.20	1	18.27
Total ..	9	5.0	1	18.00	163.70	168.76	348.52	297.78	392.89	8	52.20	1	18.27
Virginia.													
American . .	10	5.3	9	32.70	156.93	199.32	366.47	329.48	383.32	8	49.25	8	15.55
Total..	16	5.3	9	32.70	156.93	199.32	366.47	329.48	383.32	8	49.25	8	15.55
Germany.													
German . . .	19	6.6	12	31.38	174.60	178.85	365.01	254.07	348.71	8	31.89	11	51.35
Total..	19	6.6	12	31.38	174.60	178.85	365.01	254.07	348.71	8	31.89	11	51.35

TABLE XX.—IRON ORE: SUMMARY OF COST OF LIVING FOR EACH STATE, BY NATIONALITIES—Concluded.

## G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>New York.</i>								
American.....	13	6.6	4	\$4. 11	\$36. 99	\$36. 24	\$75. 77	\$74. 50
English.....	3	5.0	.....	9. 40	50. 33	34. 70	94. 43	73. 10
French.....	2	4.0	.....	6. 00	51. 68	53. 16	110. 84	121. 92
French Canadian.....	7	6.4	.....	3. 24	40. 82	23. 47	72. 53	91. 10
Hungarian.....	1	8.0	.....	10. 50	51. 47	25. 00	86. 97	104. 72
Irish.....	11	7.2	5	8. 37	37. 06	35. 61	77. 23	75. 59
Scotch.....	1	12.0	.....	2. 00	26. 38	25. 59	53. 97	75. 56
Total.....	38	6.7	9	5. 55	38. 91	34. 25	77. 19	80. 22
<i>Ohio.</i>								
American.....	16	4.6	6	8. 66	35. 81	40. 69	81. 13	86. 05
English.....	3	6.7	.....	5. 99	31. 80	32. 84	70. 63	75. 50
German.....	2	6.0	.....	9. 60	49. 96	40. 79	94. 74	96. 17
Irish.....	2	4.0	1	19. 98	47. 16	28. 42	80. 57	82. 25
Swiss.....	5	6.6	.....	5. 12	19. 83	22. 17	47. 12	44. 99
Welsh.....	1	4.0	1	.....	30. 29	25. 96	50. 25	60. 00
Total.....	29	5.2	8	7. 22	33. 35	34. 53	72. 64	76. 52
<i>Pennsylvania.</i>								
American.....	65	4.4	17	7. 03	35. 26	36. 29	76. 30	76. 73
English.....	6	3.3	.....	11. 29	52. 27	58. 47	120. 34	119. 92
German.....	2	5.0	.....	7. 80	33. 76	35. 97	77. 53	56. 20
Total.....	73	4.3	17	7. 39	36. 28	37. 68	79. 12	78. 80
<i>Tennessee.</i>								
American.....	9	5.6	1	3. 69	29. 48	30. 88	62. 73	70. 72
Total.....	9	5.6	1	3. 69	29. 48	30. 88	62. 73	70. 72
<i>Virginia.</i>								
American.....	16	5.3	9	8. 18	29. 54	37. 52	68. 98	72. 15
Total.....	16	5.3	9	8. 18	29. 54	37. 52	68. 98	72. 15
<i>Germany.</i>								
German.....	19	6.6	12	5. 78	20. 54	27. 19	55. 48	53. 00
Total.....	19	6.6	12	5. 78	20. 54	27. 19	55. 48	53. 00

TABLE XXI.—PIG IRON: RECAPITULATION OF COST OF LIVING, BY STATES.

## A.—RECAPITULATION OF CONDITION AS TO CHILDREN.

State or country.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
Alabama....	12	17	1.4	33	62	1.9	75	143	1.9	47	269	2.8	48	143
Georgia.....	9	10	1.1	13	33	2.5	15	36	2.4	1	80	4.0	5	25
Illinois.....	1	1	1.0	11	21	1.9	23	42	1.8	19	83	2.7	9	40
New York....	6	8	1.3	23	58	2.5	41	83	2.0	3	152	3.1	7	56
Ohio.....	18	28	1.6	59	123	2.1	76	147	1.9	2	300	3.4	9	98
Pennsylvania.	43	55	1.3	173	362	2.1	245	446	1.8	23	886	3.2	32	313
Tennessee...	5	7	1.4	20	43	2.2	27	55	2.0	1	106	2.9	14	51
Virginia.....	7	13	1.9	3	9	3.0	18	36	2.0	22	80	3.2	2	27
W. Virginia	1	1	1.0	5	11	2.2	8	16	2.0	2	30	3.3	.....	9
Total...	102	140	1.4	340	722	2.1	528	1,004	1.9	120	1,986	3.1	126	762
Belgium....	8	18	2.3	5	10	2.0	5	8	1.6	5	41	4.6	2	11
Gr. Britain..	16	30	1.9	40	91	2.3	43	52	1.2	9	182	3.0	4	65
Total...	24	48	2.0	45	101	2.2	48	60	1.3	14	223	3.2	6	76
Grand total.	126	188	1.5	385	823	2.1	576	1,064	1.8	134	2,209	3.1	132	838

## B.—RECAPITULATION OF SOURCES OF INCOME.

State or country.	Families—						Income—					
	Total.	Aver- age size.	With income from—				Per family from—					Per indi- vidual.
			Hus- bands	Wives	Chil- dren.	Board- ers, etc.	Hus- bands.	Wives.	Chil- dren.	Board- ers, etc.	Aver- age.	
Alabama ..	143	4.3	143	5	12	48	\$503.19	\$160.00	\$192.00	\$73.99	\$549.74	\$127.41
Georgia....	25	5.6	25	.....	8	8	404.69	.....	199.25	95.63	499.05	88.48
Illinois....	40	4.3	40	.....	1	10	666.87	.....	35.00	223.79	723.60	163.30
New York..	56	5.5	56	.....	6	26	483.56	.....	149.17	123.73	556.99	101.27
Ohio.....	98	5.2	98	.....	18	19	527.64	.....	187.94	124.99	586.39	113.79
Pennsylvania	313	5.3	313	1	43	113	520.65	140.00	341.02	159.65	625.59	118.38
Tennessee.	51	4.6	51	1	6	12	500.57	104.00	125.83	124.08	546.61	119.13
Virginia...	27	5.9	27	.....	4	20	357.81	.....	91.88	106.48	450.29	75.99
W. Virginia	9	5.3	9	.....	1	2	623.67	.....	360.00	148.50	696.67	130.63
Total ..	762	5.0	762	7	99	258	513.52	149.14	246.04	132.18	591.61	117.43
Belgium...	11	5.8	11	.....	8	.....	203.41	.....	235.29	.....	374.53	64.37
Gt. Britain..	65	4.9	65	.....	16	18	374.94	.....	262.79	62.21	456.86	93.97
Total ..	76	5.0	76	.....	24	18	350.11	.....	253.63	62.21	444.94	88.99
Grand total	838	5.0	838	7	123	276	498.70	149.14	247.52	127.61	578.31	114.87



TABLE XXI.—PIG IRON: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## C.—RECAPITULATION OF EXPENDITURE FOR RENT.

State or country.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families	Rooms per family.		Family.	Individual.
Alabama .....	143	4.3	7	135	2.7	1	\$68.26	\$15.97
Georgia .....	25	5.6	-----	25	3.1	-----	40.56	7.19
Illinois .....	40	4.3	9	31	4.4	-----	87.94	20.81
New York .....	56	5.5	5	50	4.9	1	56.30	10.74
Ohio .....	98	5.2	62	10	3.6	26	70.33	14.31
Pennsylvania .....	313	5.3	92	211	4.7	10	63.85	12.54
Tennessee .....	51	4.6	2	48	3.0	1	61.50	13.12
Virginia .....	27	5.9	10	16	3.3	1	71.78	11.96
West Virginia .....	9	5.3	2	7	3.1	-----	68.86	12.36
Total .....	762	5.0	189	533	3.9	40	65.02	13.34
Belgium .....	11	5.8	-----	11	4.5	-----	31.72	5.45
Great Britain .....	65	4.9	-----	48	3.9	17	39.47	8.12
Total .....	76	5.0	-----	59	4.0	17	38.35	7.67
Grand total .....	838	5.0	189	592	3.9	57	61.87	12.66

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (1.)

State or country.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	143	4.3	142	\$21.02	143	\$21.73	88	\$14.47	49	\$6.20	14	\$2.12	129	\$5.28
Georgia .....	25	5.6	22	8.14	25	18.70	21	24.62	19	5.74	1	2.00	15	2.87
Illinois .....	40	4.3	-----	-----	-----	-----	16	104.53	-----	-----	-----	-----	8	10.38
New York ..	56	5.5	56	43.41	27	14.79	52	26.77	1	7.00	34	3.73	32	10.02
Ohio .....	98	5.2	-----	-----	12	43.92	96	88.38	4	9.75	16	5.32	69	12.12
Pennsylvania ..	313	5.3	3	51.83	231	25.36	310	49.12	156	3.15	227	4.90	253	8.46
Tennessee ..	51	4.6	20	13.00	21	19.90	15	16.00	15	8.40	3	2.47	10	3.16
Virginia .....	27	5.9	-----	-----	25	33.15	26	16.85	23	4.04	22	2.66	25	4.53
W. Virginia ..	9	5.3	-----	-----	-----	-----	9	74.56	-----	-----	5	4.39	8	6.78
Total ...	762	5.0	243	24.81	484	23.98	633	47.26	267	4.38	322	4.48	549	7.84
Belgium .....	11	5.8	-----	-----	-----	-----	11	32.53	-----	-----	-----	-----	8	6.09
Gt. Britain ..	65	4.9	-----	-----	43	17.81	65	64.85	-----	-----	26	12.29	32	11.98
Total ...	76	5.0	-----	-----	43	17.81	76	60.18	-----	-----	26	12.29	40	10.80
Grand total ..	838	5.0	243	24.81	527	23.47	709	48.65	267	4.38	348	5.07	589	8.04

TABLE XXI.—PIG IRON: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (2.)

State or country.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama....	143	4.3	39	\$11.16	127	\$8.24	34	\$2.75	79	\$3.85	133	\$10.84	138	\$18.96
Georgia.....	25	5.6	1	5.00	20	6.63	2	1.92	2	2.25	25	16.44	25	12.21
Illinois.....	40	4.3	13	14.90	16	26.93	1	15.00	6	8.13	7	14.35	16	21.00
New York....	56	5.5	44	19.88	53	34.60	36	2.25	51	13.51	48	8.47	55	20.70
Ohio.....	98	5.2	84	10.36	88	27.16	12	4.32	66	4.30	96	10.94	97	15.92
Pennsylvania.	313	5.3	261	12.94	284	28.55	233	2.87	284	10.49	262	10.55	307	21.35
Tennessee..	51	4.6	1	5.00	20	10.02	3	1.53	11	6.52	18	12.19	21	20.63
Virginia....	27	5.9	17	5.41	22	9.26	11	1.15	4	3.15	26	12.29	27	12.98
W. Virginia..	9	5.3	8	16.89	8	29.20	1	5.92	8	5.18	9	10.06	9	10.00
Total...	762	5.0	468	12.80	638	22.85	333	2.81	511	8.68	624	10.90	695	19.24
Belgium....	11	5.8	7	19.29	11	38.89	6	6.24	.....	.....	11	23.20	7	3.04
Gt. Britain..	65	4.9	61	13.87	62	28.78	.....	.....	65	14.03	20	5.19	64	7.08
Total...	76	5.0	68	14.43	73	30.31	6	6.24	65	14.03	31	11.58	71	6.68
Grand total.	838	5.0	536	13.00	711	23.02	339	2.87	576	9.28	655	10.94	766	18.07

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (3.)

State or country.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama....	143	4.3	106	\$3.35	143	\$13.99	143	\$38.97	14	\$7.04	6	\$1.74	60	\$3.37
Georgia.....	25	5.6	10	2.85	24	10.84	25	38.64	.....	.....	.....	.....	7	1.96
Illinois.....	40	4.3	1	7.20	15	11.03	16	38.75	.....	.....	1	8.00	11	16.64
New York....	56	5.5	26	1.67	40	5.01	56	39.86	37	2.92	15	1.28	31	3.57
Ohio.....	98	5.2	51	3.84	15	5.35	98	29.40	16	3.38	4	4.33	91	7.51
Pennsylvania.	313	5.3	190	3.29	254	6.84	309	36.59	211	4.62	206	2.41	293	12.76
Tennessee..	51	4.6	15	4.30	21	12.27	21	38.46	.....	.....	2	.37	15	4.07
Virginia....	27	5.9	26	3.71	25	11.52	27	45.40	.....	.....	17	1.50	27	4.12
W. Virginia..	9	5.3	8	2.84	8	8.48	9	29.07	1	2.16	.....	.....	4	4.48
Total...	762	5.0	433	3.32	545	9.28	704	36.35	279	4.43	251	2.30	539	9.50
Belgium....	11	5.8	.....	.....	.....	.....	9	49.25	2	47.67	.....	.....	.....	.....
Gt. Britain..	65	4.9	.....	.....	2	4.75	54	23.47	25	23.95	.....	.....	2	9.49
Total...	76	5.0	.....	.....	2	4.75	63	27.15	27	25.71	.....	.....	2	9.49
Grand total.	838	5.0	433	3.32	547	9.28	767	35.59	306	6.31	251	2.30	541	9.50

**TABLE XXI.—PIG IRON: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.****D.—RECAPITULATION OF EXPENDITURE FOR FOOD, (4.)**

State or country.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
Alabama ...	143	4.3	140	\$8.19	141	\$4.02	.....	.....	142	\$25.38	\$192.93	\$44.71
Georgia .....	25	5.6	25	7.80	25	3.57	.....	.....	25	16.08	165.38	29.32
Illinois .....	40	4.3	15	10.55	13	10.23	.....	.....	40	233.48	337.35	78.45
New York...	56	5.5	54	11.74	46	4.81	.....	.....	56	15.18	251.71	45.77
Ohio .....	98	5.2	89	9.96	51	6.10	21	\$1.81	97	16.35	233.64	45.34
Pennsylvania.	313	5.3	241	9.08	261	6.11	245	4.46	313	21.40	255.23	48.30
Tennessee...	51	4.6	21	8.31	20	4.84	.....	.....	51	138.78	207.38	45.20
Virginia .....	27	5.9	26	3.59	26	9.33	27	3.02	27	8.65	182.25	30.75
W. Virginia.	9	5.3	9	8.04	8	9.80	8	1.39	9	11.44	220.68	41.26
Total ...	762	5.0	620	8.95	591	5.60	301	4.06	760	39.33	235.66	46.78
Belgium .....	11	5.8	.....	.....	4	9.84	6	1.06	.....	.....	169.79	29.18
Gt. Britain..	65	4.9	65	9.29	48	8.20	.....	.....	65	27.23	222.24	45.71
Total ...	76	5.0	65	9.29	52	8.33	6	1.06	65	27.23	214.05	42.93
Grand total.	838	5.0	685	8.98	643	5.82	307	4.00	825	38.38	233.76	46.43

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD, (1.)**

State or country.	Families.		Fuel.		Lighting.		Clothing.					
							Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	143	4.3	138	\$16.79	143	\$5.05	143	\$43.48	141	\$28.11	95	\$51.40
Georgia .....	25	5.6	25	8.72	25	5.08	25	32.48	25	17.80	20	72.30
Illinois .....	40	4.3	40	41.30	38	3.56	40	53.55	38	45.18	31	48.41
New York...	56	5.5	56	35.85	56	2.78	56	43.70	55	17.69	49	50.61
Ohio .....	98	5.2	98	31.33	98	3.23	97	35.45	95	22.76	87	61.04
Pennsylvania.	313	5.3	312	29.94	312	3.84	313	32.71	308	22.42	277	46.28
Tennessee...	51	4.6	50	19.08	50	3.76	51	36.41	50	32.50	39	41.67
Virginia .....	27	5.9	27	29.51	27	5.67	27	33.63	27	20.29	24	32.00
W. Virginia.	9	5.3	9	25.15	9	2.42	9	36.33	9	37.44	9	58.78
Total ...	762	5.0	755	27.26	758	3.98	761	37.30	748	24.97	631	49.70
Belgium .....	11	5.8	11	16.74	11	4.55	11	26.67	11	11.58	9	64.33
Gt. Britain..	65	4.9	65	20.76	65	5.76	65	24.18	65	22.99	56	86.02
Total ...	76	5.0	76	20.18	76	5.58	76	24.54	76	21.33	65	39.94
Grand total.	838	5.0	831	26.62	834	4.13	837	36.14	824	24.63	696	48.79



TABLE XXI.—**PIG IRON:** RECAPITULATION OF COST OF LIVING, BY STATES—Continued.**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

State or country.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	143	4.3	126	\$4.33	1	\$12.00	7	\$8.84	10	\$5.68	24	\$6.73
Georgia.....	25	5.6	25	1.46	.....	.....	3	7.13	2	2.80	3	4.33
Illinois.....	40	4.3	12	6.28	14	5.38	2	9.50	7	5.21	1	6.00
New York....	56	5.5	33	3.55	7	1.61	12	27.56	.....	.....	10	6.10
Ohio.....	98	5.2	64	12.28	56	4.76	37	16.08	17	7.41	13	5.42
Pennsylvania.	313	5.3	261	5.69	43	7.58	42	21.69	44	8.11	98	12.93
Tennessee...	51	4.6	42	2.74	1	6.00	14	13.54	.....	.....	20	7.20
Virginia.....	27	5.9	20	3.39	.....	.....	.....	.....	.....	.....	2	7.75
W. Virginia..	9	5.3	9	8.82	2	10.50	1	10.40	1	6.00	2	11.50
Total ...	762	5.0	592	5.59	124	5.79	118	18.13	81	7.26	173	10.18
Belgium.....	11	5.8	11	.56	.....	.....	.....	.....	2	3.67	4	6.63
Gt. Britain..	65	4.9	21	1.77	.....	.....	21	12.21	14	3.72	38	10.11
Total ...	76	5.0	32	1.35	.....	.....	21	12.21	16	3.71	42	9.78
Grand total.	838	5.0	624	5.37	124	5.79	139	17.23	97	6.67	215	10.11

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

State or country.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	143	4.3	110	\$4.36	116	\$1.97	141	\$28.50	86	\$3.53	125	\$13.75
Georgia.....	25	5.6	20	3.45	22	2.09	25	32.24	14	1.93	16	3.03
Illinois.....	40	4.3	28	10.14	26	4.81	30	33.42	33	8.37	21	11.90
New York....	56	5.5	39	11.29	9	3.00	55	17.23	40	4.54	9	12.93
Ohio.....	98	5.2	65	10.13	50	2.40	63	13.99	91	6.36	22	12.18
Pennsylvania.	313	5.3	243	8.93	269	3.02	310	25.71	274	6.26	134	8.62
Tennessee...	51	4.6	40	5.18	43	3.24	33	27.97	39	6.25	44	15.88
Virginia.....	27	5.9	21	4.29	17	1.09	27	22.94	18	3.71	15	6.50
W. Virginia..	9	5.3	4	5.50	5	4.60	6	29.07	9	5.64	.....	.....
Total ...	762	5.0	570	7.76	557	2.76	690	25.13	604	5.70	386	11.28
Belgium.....	11	5.8	8	1.24	1	2.01	3	2.57	2	2.51	6	38.54
Gt. Britain..	65	4.9	36	5.00	13	2.52	40	7.03	58	5.10	53	19.05
Total ...	76	5.0	44	4.32	14	2.49	43	6.72	60	5.01	59	21.03
Grand total.	838	5.0	614	7.51	571	2.76	733	24.05	664	5.64	445	12.57

**TABLE XXI.—PIG IRON: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.****E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)**

State or country.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
Alabama...	143	4.3	117	\$17.15	127	\$15.24	143	\$24.11	143	\$25.40	\$256.73	\$59.50
Georgia....	25	5.6	20	8.05	24	15.46	24	13.60	25	38.92	238.10	42.22
Illinois....	40	4.3	33	61.73	32	11.04	32	24.67	34	30.57	337.91	78.58
New York...	56	5.5	14	35.14	50	5.44	56	16.03	56	17.86	231.40	42.07
Ohio.....	98	5.2	74	14.13	91	8.09	91	25.55	98	28.61	260.80	50.61
Pennsylvania.	313	5.3	161	13.90	273	11.54	297	19.60	312	49.73	272.82	51.63
Tennessee...	51	4.6	44	9.18	37	11.99	49	16.69	26	24.08	219.74	47.89
Virginia....	27	5.9	24	8.08	23	11.27	27	20.09	27	32.40	222.94	37.62
W. Virginia..	9	5.3	-----	-----	8	12.53	8	24.50	9	28.44	267.04	50.07
Total...	762	5.0	487	17.61	665	11.46	727	20.86	730	36.61	262.10	52.02
Belgium....	11	5.8	7	9.66	9	5.54	7	25.56	8	6.85	171.00	29.39
Gt. Britain..	65	4.9	39	21.86	34	16.38	63	4.58	8	31.27	173.60	35.71
Total...	76	5.0	46	20.00	43	14.11	70	6.67	16	19.06	173.22	34.64
Grand total.	838	5.0	533	17.82	708	11.62	797	19.61	746	36.23	254.04	50.46

**F.—RECAPITULATION OF CONTRASTED FAMILY INCOME AND EXPENDITURE.**

State or country.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Aver- age size.		Rent.	Food.	Other pur- poses.	All pur- poses.	Hus- band.	All sources.	Surplus.		Deficit.	
										Fam- ilies.	Aver- age.	Fam- ilies.	Aver- age.
Alabama..	143	4.3	7	\$68.26	\$192.93	\$256.73	\$514.10	\$503.19	\$549.74	81	\$117.29	62	\$71.05
Georgia...	25	5.6	-----	40.56	165.38	238.10	444.04	404.69	499.05	19	78.38	6	18.96
Illinois....	40	4.3	9	87.94	337.35	337.91	743.41	666.87	723.69	21	85.85	18	143.98
New York...	56	5.5	5	56.30	251.71	231.40	533.38	483.56	556.99	35	91.17	21	88.98
Ohio.....	98	5.2	62	70.33	233.64	260.80	520.28	527.64	586.39	69	115.39	29	51.13
Pennsylvania.	313	5.3	92	63.85	255.23	272.82	572.93	520.65	625.59	229	90.93	83	52.30
Tennessee...	51	4.6	2	61.50	207.38	219.74	485.00	500.57	546.61	39	95.02	12	46.95
Virginia...	27	5.9	10	71.78	182.25	222.94	447.73	357.81	450.29	10	69.99	17	37.10
W. Virginia..	9	5.3	2	68.86	220.08	267.04	540.67	623.67	696.67	8	191.35	1	126.81
Total..	762	5.0	189	65.02	235.66	262.10	546.23	513.52	591.61	511	99.23	249	64.75
Belgium....	11	5.8	-----	31.72	169.79	171.00	372.51	203.41	374.53	6	22.24	5	22.24
Gt. Britain..	65	4.9	-----	39.47	222.24	173.60	435.31	374.94	456.86	30	47.02	2	4.97
Total..	76	5.0	-----	38.35	214.65	173.22	426.22	350.11	444.94	36	42.89	7	17.20
Grand total	838	5.0	189	61.87	233.76	254.04	535.34	498.70	578.31	547	95.52	256	63.45

TABLE XXI.—**PIG IRON:** RECAPITULATION OF COST OF LIVING, BY STATES—Concluded.**G.—RECAPITULATION OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

State or country.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
Alabama.....	143	4.3	7	\$15.97	\$44.71	\$59.50	\$119.15	\$127.41
Georgia.....	25	5.6	.....	7.19	29.82	42.22	78.73	88.48
Illinois.....	40	4.3	9	20.81	78.45	78.58	172.89	168.30
New York.....	56	5.5	5	10.74	45.77	42.07	96.88	101.27
Ohio.....	98	5.2	62	14.31	45.34	50.61	100.96	113.79
Pennsylvania.....	313	5.3	92	12.54	48.30	51.63	104.42	118.38
Tennessee.....	51	4.6	2	13.12	45.20	47.89	105.71	119.13
Virginia.....	27	5.9	10	11.93	20.75	37.63	75.55	75.99
West Virginia.....	9	5.3	2	12.36	41.26	50.07	101.38	130.63
Total.....	762	5.0	189	13.34	46.78	52.02	108.42	117.43
Belgium.....	11	5.8	.....	5.45	20.18	20.39	64.02	64.37
Great Britain.....	65	4.9	.....	8.12	45.71	35.71	89.54	93.97
Total.....	76	5.0	.....	7.67	42.93	34.64	85.24	88.99
Grand total.....	838	5.0	189	12.66	46.43	50.46	106.33	114.87

**II.—RECAPITULATION OF MEANS OF SUPPORT.**

[Two other natural combinations suggest themselves as lacking in this table, namely, "Husband and wife" and "Husband and children," but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of "Husband, wife, and children" consists of "Husband and children."]

State or country.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
Alabama.....	143	50	32	11	3	18	26	3	.....
Georgia.....	25	9	3	5	.....	2	3	3	.....
Illinois.....	40	a 18	13	.....	1	4	5	.....	.....
New York.....	56	15	12	2	1	15	8	3	.....
Ohio.....	98	45	20	9	5	11	4	4	.....
Pennsylvania.....	313	a 133	47	17	4	62	27	18	5
Tennessee.....	51	28	5	4	2	6	5	1	.....
Virginia.....	27	2	5	.....	.....	7	9	1	3
West Virginia.....	9	5	1	1	.....	2	.....	.....	.....
Total.....	762	b 305	137	49	16	127	87	33	8
Belgium.....	11	1	2	5	3	.....	.....	.....	.....
Great Britain.....	65	c 33	.....	d 13	1	e 15	1	a 2	.....
Total.....	76	c 34	2	d 18	4	e 15	1	a 2	.....
Grand total.....	838	f 339	139	d 67	20	e 142	88	a 35	8

a In one case expenditure equals income.

b In two cases expenditure equals income.

c In eighteen cases expenditure equals income.

d In six cases expenditure equals income.

e In eight cases expenditure equals income.

f In twenty cases expenditure equals income.



TABLE XXI.—BAR IRON: RECAPITULATION OF COST OF LIVING, BY STATES.

## A.—RECAPITULATION OF CONDITION AS TO CHILDREN.

State or country.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
Alabama...	5	7	1.4	19	35	1.8	30	57	1.9	10	109	3.0	3	39
Illinois...	11	15	1.4	18	45	2.5	40	65	1.6	59	184	3.2	11	68
New York...	23	55	2.4	16	34	2.1	29	51	1.8	19	159	4.3	4	41
Ohio...	18	21	1.2	73	179	2.5	97	167	1.7	4	371	3.1	19	140
Pennsylvania...	31	41	1.3	146	290	2.0	176	287	1.6	14	632	2.9	57	277
Tennessee...	1	1	1.0	5	8	1.6	9	19	2.1	-----	28	2.8	7	17
Virginia...	9	16	1.8	20	37	1.9	24	43	1.8	15	111	3.6	4	35
W. Virginia...	1	2	2.0	3	6	2.0	5	8	1.6	-----	16	2.7	-----	6
Total...	99	158	1.6	300	634	2.1	410	697	1.7	121	1,610	3.1	105	623
Belgium...	37	82	2.2	34	70	2.1	44	66	1.5	29	247	3.5	5	75
France...	19	38	2.0	2	7	3.5	18	32	1.8	58	135	3.8	4	40
Germany...	3	5	1.7	6	23	3.8	13	34	1.9	21	83	3.8	-----	22
Gt. Britain...	37	56	1.5	68	168	2.5	63	85	1.3	7	316	3.3	17	114
Total...	96	181	1.9	110	268	2.4	143	217	1.5	115	781	3.5	26	251
Grand total	195	339	1.7	410	902	2.2	553	914	1.7	236	2,301	3.2	131	874

## B.—RECAPITULATION OF SOURCES OF INCOME.

State or country.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands.	Wives.	Children.	Boarders, etc.	Husbands.	Wives.	Children.	Boarders, etc.	Average.	
Alabama...	39	5.3	39	.....	5	13	\$706.92	.....	\$206.00	\$216.38	\$865.45	\$163.06
Illinois...	63	4.9	63	.....	10	16	763.62	.....	240.50	185.91	847.73	172.59
New York...	41	6.3	41	1	23	15	430.78	\$150.00	385.77	103.60	688.75	109.88
Ohio...	140	4.3	140	2	18	20	846.60	145.00	256.36	202.11	923.56	102.12
Pennsylvania...	277	4.5	277	2	31	25	668.79	125.00	384.84	175.83	728.63	163.29
Tennessee...	17	4.6	17	.....	1	7	441.62	.....	40.00	157.64	508.83	110.91
Virginia...	35	5.8	35	5	0	13	548.13	146.00	185.00	166.21	678.29	117.53
W. Virginia...	0	5.2	6	.....	1	.....	807.46	.....	500.00	.....	890.79	172.41
Total ..	623	4.8	623	10	93	118	698.49	142.00	316.91	176.81	784.11	161.86
Belgium...	75	5.5	75	2	37	14	213.51	173.70	250.93	69.62	359.37	65.26
France....	40	5.3	40	.....	19	13	331.62	.....	250.80	42.91	464.74	87.27
Germany...	22	6.0	22	.....	3	10	243.02	.....	87.58	57.95	282.20	47.39
Gt. Britain...	114	4.8	114	.....	37	11	438.99	.....	218.90	103.15	510.99	108.17
Total ..	251	5.2	251	2	66	48	337.41	173.70	236.94	67.64	442.35	85.08
Grand total.	874	4.9	874	12	194	166	594.79	147.28	277.34	145.24	685.06	138.68

**TABLE XXI.—BAR IRON: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.****C.—RECAPITULATION OF EXPENDITURE FOR RENT.**

State or country.	Families.		Own hous.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not re- porting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Indi- vidual.
Alabama .....	39	5.3	1	38	3.2	.....	\$118.18	\$22.12
Illinois .....	68	4.9	12	55	4.6	1	89.89	18.51
New York .....	41	6.3	1	40	5.4	.....	95.71	15.01
Ohio .....	140	4.8	54	39	5.1	47	94.32	20.05
Pennsylvania .....	277	4.5	31	225	5.6	21	118.17	27.19
Tennessee .....	17	4.6	.....	17	2.8	.....	89.47	19.50
Virginia .....	35	5.8	11	23	4.1	1	95.19	17.71
West Virginia .....	6	5.2	2	4	6.0	.....	112.00	21.33
Total .....	623	4.8	112	441	5.0	70	107.33	22.54
Belgium .....	75	5.5	5	62	3.5	8	34.37	6.15
France .....	40	5.3	.....	3	4.0	37	30.98	5.82
Germany .....	22	6.0	1	19	1.9	2	17.49	3.05
Great Britain .....	114	4.8	.....	111	4.2	3	53.27	11.08
Total .....	251	5.2	6	195	3.7	50	41.36	7.97
Grand total .....	874	4.9	118	636	4.6	120	86.04	17.56

**D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (1.)**

State or country.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama....	39	5.3	38	\$28.92	39	\$23.31	32	\$13.17	21	\$8.38	8	\$3.35	33	\$6.68
Illinois .....	68	4.9	.....	.....	1	24.00	42	102.05	.....	.....	1	14.40	17	10.80
New York .....	41	6.3	41	54.63	30	16.43	37	26.35	.....	.....	28	3.88	28	13.11
Ohio .....	140	4.8	20	63.94	54	12.75	122	80.33	.....	.....	88	6.31	103	13.37
Pennsylvania .....	277	4.5	.....	.....	27	28.89	277	77.25	18	6.55	247	12.50	257	8.99
Tennessee .....	17	4.6	15	19.53	17	27.82	11	20.45	14	14.86	2	1.50	13	2.86
Virginia .....	35	5.8	4	21.78	26	27.33	32	60.59	13	13.56	14	10.83	29	11.17
W. Virginia .....	6	5.2	.....	.....	.....	.....	6	83.67	.....	.....	2	3.55	6	17.14
Total ...	623	4.8	118	42.35	194	21.02	559	70.74	71	10.51	390	10.14	486	10.13
Belgium .....	75	5.5	18	26.33	.....	.....	53	30.26	.....	.....	.....	.....	51	9.04
France .....	40	5.3	.....	.....	2	5.80	40	48.35	.....	.....	2	3.94	15	5.97
Germany .....	22	6.0	8	24.32	11	22.13	8	30.38	2	2.23	7	2.65	6	4.53
Gt. Britain .....	114	4.8	.....	.....	90	17.54	111	63.35	.....	.....	60	12.23	77	8.82
Total ...	251	5.2	26	35.71	103	17.80	212	51.00	2	2.23	69	11.02	149	8.43
Grand total .....	874	4.9	144	39.35	297	19.90	771	65.32	73	10.28	459	10.27	635	9.73

TABLE XXI.—**BAR IRON**: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.**D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (2.)**

State or country.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	39	5.3	11	\$15.45	37	\$19.30	11	\$3.82	28	\$7.01	37	\$15.76	37	\$22.96
Illinois .....	68	4.9	31	13.43	33	27.68	3	7.61	31	13.76	32	14.28	38	22.38
New York...	41	6.3	37	17.42	41	43.46	31	4.54	41	15.10	26	5.00	41	28.79
Ohio .....	140	4.8	131	15.52	136	27.89	49	2.75	125	5.88	134	11.82	138	18.23
Pennsylvania.	277	4.5	265	15.29	269	24.51	242	3.49	271	18.73	262	10.88	269	23.56
Tennessee ..	17	4.6	3	11.33	15	8.97	-----	-----	7	4.43	14	9.63	15	13.17
Virginia .....	35	5.8	13	12.76	34	24.56	8	4.48	19	5.85	33	15.83	35	21.06
W. Virginia.	6	5.2	6	16.96	6	32.78	1	2.83	6	7.40	6	12.13	6	12.31
Total....	623	4.8	497	15.33	571	26.20	345	3.55	528	13.71	544	11.65	579	22.01
Belgium .....	75	5.5	48	9.80	73	35.19	37	3.90	-----	-----	73	19.00	56	3.78
France .....	40	5.3	20	11.83	31	25.11	15	4.48	-----	-----	37	16.53	34	7.38
Germany .....	22	6.0	22	9.57	9	14.73	-----	-----	-----	-----	22	6.89	22	6.91
Gt. Britain..	114	4.8	99	13.76	109	27.68	11	6.06	108	12.16	47	4.22	108	8.12
Total....	251	5.2	189	12.07	222	29.26	63	4.42	108	12.16	179	13.12	220	6.78
Grand total.	874	4.9	686	14.43	793	27.06	408	3.68	636	13.45	723	12.01	799	17.82

**D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (3.)**

State or country.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama....	39	5.3	24	\$3.08	39	\$14.78	39	\$40.60	2	\$14.50	3	\$0.32	18	\$4.97
Illinois.....	68	4.9	1	9.60	11	7.70	41	35.31	-----	-----	-----	-----	7	20.93
New York...	41	6.3	12	1.33	36	4.54	41	45.55	30	3.69	6	2.09	21	4.52
Ohio .....	140	4.8	80	2.99	48	5.70	138	25.00	53	9.03	5	3.41	89	8.42
Pennsylvania.	277	4.5	237	2.42	251	5.16	263	22.53	249	8.69	25	2.08	273	6.54
Tennessee ..	17	4.6	10	1.48	16	14.69	17	29.96	-----	-----	6	.60	4	1.81
Virginia .....	35	5.8	17	5.78	33	11.42	35	40.73	6	15.09	3	1.27	24	14.86
W. Virginia.	6	5.2	5	2.30	5	8.64	6	31.06	1	2.40	-----	-----	4	7.07
Total....	623	4.8	386	2.69	439	6.95	580	28.27	341	8.43	48	1.88	440	7.40
Belgium .....	75	5.5	-----	-----	11	7.41	41	45.09	32	47.76	-----	-----	6	2.78
France .....	40	5.3	-----	-----	18	10.17	11	19.96	40	59.09	5	2.43	4	3.42
Germany .....	22	6.0	-----	-----	-----	-----	21	5.38	22	40.44	6	1.68	10	2.60
Gt. Britain..	114	4.8	-----	-----	23	5.00	107	19.31	30	14.68	-----	-----	22	7.44
Total....	251	5.2	-----	-----	52	7.30	180	23.60	124	42.40	11	2.02	42	5.24
Grand total.	874	4.9	336	2.69	491	6.98	760	27.16	465	17.49	59	1.90	482	7.22



TABLE XXI.—**BAR IRON**: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.**D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (4.)**

State or country.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
Alabama....	39	5.3	39	\$13.10	39	\$7.51	1	\$36.00	39	\$27.85	\$247.45	\$46.62
Illinois .....	68	4.9	38	11.64	15	13.43	1	36.00	68	190.13	336.64	68.54
New York ..	41	6.3	41	8.85	41	5.00	1	20.00	40	24.50	305.18	48.69
Ohio .....	140	4.8	125	7.96	120	9.53	76	2.51	134	14.27	242.44	50.43
Pennsylvania.	277	4.5	267	8.66	271	9.79	32	4.73	272	41.15	294.42	65.98
Tennessee ..	17	4.6	17	11.18	17	7.39	17	16.12	17	16.12	184.16	40.14
Virginia .....	35	5.8	34	10.98	30	19.49	3	3.07	35	21.74	284.11	49.23
W. Virginia.	6	5.2	6	9.18	6	16.21	6	1.25	5	6.56	261.44	50.60
Total ...	623	4.8	567	9.25	539	9.84	119	3.48	610	47.81	281.21	58.05
Belgium .....	75	5.5	25	15.09	47	14.65	26	2.74	34	12.98	105.00	29.96
France .....	40	5.3	26	12.25	1	1.85	40	17.43	40	17.43	195.84	36.78
Germany ....	22	6.0	19	8.83	20	5.38	22	1.98	22	23.21	147.56	24.78
Gt. Britain..	114	4.8	108	7.81	101	5.99	112	41.80	112	41.80	226.08	47.03
Total ...	251	5.2	178	9.59	169	8.30	48	2.39	208	30.44	196.13	37.72
Grand total.	874	4.9	745	9.33	708	9.47	167	3.17	818	43.40	256.78	51.91

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

State or country.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	39	5.3	38	\$23.20	39	\$6.36	39	\$46.55	39	\$32.72	36	\$84.17
Illinois .....	68	4.9	68	47.85	67	3.81	68	51.76	68	43.26	56	62.64
New York ..	41	6.3	41	39.76	41	3.30	41	34.78	40	17.90	35	96.94
Ohio .....	140	4.8	140	32.92	137	5.06	140	47.45	140	42.10	120	62.68
Pennsylvania.	277	4.5	277	28.68	277	8.96	276	25.73	276	20.67	218	47.16
Tennessee ..	17	4.6	17	16.00	17	4.84	17	30.29	17	19.82	10	58.00
Virginia .....	35	5.8	35	37.43	35	3.67	35	29.95	35	20.06	31	54.64
W. Virginia.	6	5.2	6	31.60	6	7.27	6	40.83	6	33.33	6	66.67
Total ...	623	4.8	622	32.30	619	6.57	622	25.87	621	28.62	512	59.39
Belgium .....	75	5.5	72	13.77	70	4.00	75	27.07	73	14.79	69	41.59
France .....	40	5.3	40	9.21	40	5.67	40	23.64	38	16.63	36	48.84
Germany ....	22	6.0	21	6.91	22	2.82	22	20.60	22	13.35	22	21.00
Gt. Britain..	114	4.8	113	26.97	114	6.90	112	28.81	110	24.07	96	42.88
Total ...	251	5.2	246	18.51	246	5.51	249	26.73	243	19.15	223	41.28
Grand total.	874	4.9	868	28.39	865	6.27	871	33.26	864	25.95	735	53.90

TABLE XXI.—**BAR IRON**: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

State or country.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	39	5.3	33	\$3.68	1	\$1.85	.....	.....	13	\$6.42	9	\$14.79
Illinois .....	68	4.9	18	10.51	20	5.03	10	\$30.80	27	5.93	25	10.00
New York ..	41	6.3	2	16.50	8	2.96	15	15.43	3	8.00	.....	.....
Ohio .....	140	4.8	59	16.58	54	7.20	49	31.85	62	6.35	61	10.16
Pennsylvania.	277	4.5	69	18.76	28	12.62	97	23.31	171	7.90	153	16.52
Tennessee ..	17	4.6	15	1.03	1	.25	3	5.10	.....	.....	5	8.16
Virginia .....	35	5.8	26	12.67	9	6.89	15	19.52	.....	.....	7	15.07
W. Virginia	6	5.2	5	11.16	.....	.....	.....	.....	3	6.00	.....	.....
Total ...	623	4.8	227	13.29	121	7.69	189	24.70	279	7.28	260	14.14
Belgium .....	75	5.5	23	5.63	17	1.53	.....	.....	4	4.02	20	6.07
France .....	40	5.3	33	1.95	7	.98	3	4.89	.....	.....	.....	.....
Germany .....	22	6.0	22	5.19	7	1.00	1	18.94	.....	.....	21	6.52
Gt. Britain..	114	4.8	5	7.06	.....	.....	73	10.47	38	3.09	88	10.32
Total ...	251	5.2	83	4.14	31	1.29	77	10.36	42	3.18	129	9.04
Grand total.	874	4.9	310	10.84	152	6.39	266	20.55	321	6.74	389	12.45

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

State or country.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	39	5.3	30	\$7.08	27	\$3.35	38	\$31.04	25	\$4.90	25	\$29.72
Illinois .....	68	4.9	55	9.36	53	6.54	45	33.33	64	11.06	44	31.50
New York ..	41	6.3	21	11.08	11	3.18	40	27.46	30	6.27	15	5.57
Ohio .....	140	4.8	95	12.61	119	7.92	102	55.13	132	11.40	70	26.12
Pennsylvania.	277	4.5	208	8.97	191	5.59	266	14.14	206	6.47	59	20.54
Tennessee ..	17	4.6	11	3.23	13	1.46	17	27.26	3	2.33	16	2.06
Virginia .....	35	5.8	31	9.25	29	4.03	30	20.13	21	8.63	22	13.25
W. Virginia	6	5.2	5	8.52	4	7.25	1	17.00	6	13.33	1	50.00
Total ...	623	4.8	456	9.72	447	5.92	539	26.43	547	8.25	252	22.37
Belgium .....	75	5.5	35	.95	20	.69	42	6.03	23	3.37	71	24.67
France .....	40	5.3	.....	.....	1	3.86	40	5.26	20	2.95	30	16.08
Germany .....	22	6.0	22	.80	21	.67	20	7.04	15	2.44	10	2.62
Gt. Britain..	114	4.8	68	5.84	88	1.61	99	7.99	106	5.84	94	21.83
Total ...	251	5.2	125	3.58	130	1.34	201	6.94	164	4.83	205	21.04
Grand total.	874	4.9	581	8.40	577	4.89	740	21.14	711	7.46	457	21.77

TABLE XXI.—**BAR IRON:** RECAPITULATION OF COST OF LIVING, BY STATES—Continued.**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)**

State or country.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
Alabama .....	39	5.3	31	\$23.77	32	\$16.68	39	\$40.38	39	\$56.28	\$384.78	\$72.50
Illinois .....	68	4.9	51	43.20	55	10.41	50	30.68	48	21.13	356.84	72.65
New York .....	41	6.3	23	22.39	35	9.68	41	18.55	41	20.06	285.51	45.55
Ohio .....	140	4.8	73	22.36	117	11.11	119	34.41	118	22.05	357.23	74.33
Pennsylvania .....	277	4.5	92	20.24	207	15.19	236	19.04	277	40.52	258.65	57.97
Tennessee .....	17	4.6	14	15.43	15	11.97	17	16.35	17	21.53	203.83	44.43
Virginia .....	35	5.8	9	20.83	29	13.68	33	26.98	35	57.36	303.87	52.65
W. Virginia .....	6	5.2	.....	.....	5	10.80	6	29.00	6	11.17	277.60	53.73
Total .....	623	4.8	293	25.10	495	13.17	541	25.51	581	34.94	302.43	62.43
Belgium .....	75	5.5	45	18.57	63	5.73	39	10.75	65	6.75	156.37	28.40
France .....	40	5.3	40	46.73	35	5.26	1	9.65	24	5.63	174.27	32.73
Germany .....	22	6.0	22	14.78	21	4.05	14	5.47	22	15.62	125.41	21.06
Gt. Britain .....	114	4.8	73	20.77	79	12.73	68	5.08	27	16.01	201.32	41.88
Total .....	251	5.2	180	25.26	198	8.26	122	6.97	138	9.78	176.93	34.03
Grand total .....	874	4.9	473	25.16	693	11.77	663	22.10	719	30.11	266.39	53.86

**F.—RECAPITULATION OF CONTRASTED FAMILY INCOME AND EXPENDITURE.**

State or country.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Aver- age size.		Rent.	Food.	Other pur- poses.	All pur- poses.	Hus- band.	All sources.	Surplus.		Deficit.	
										Fam- ilies.	Aver- age.	Fam- ilies.	Aver- age.
Alabama ..	39	5.3	1	\$118.18	\$247.45	\$384.78	\$747.39	\$766.92	\$865.45	24	\$233.51	15	\$66.65
Illinois ....	68	4.9	12	89.89	336.64	356.84	767.51	768.62	847.73	39	220.15	29	107.97
New York ..	41	6.3	1	95.71	305.18	285.51	684.07	430.78	688.75	20	100.33	21	86.41
Ohio .....	140	4.8	54	94.82	242.44	357.33	657.34	846.66	923.56	108	364.10	31	66.20
Pennsylvania ..	277	4.5	31	118.17	294.42	258.65	658.02	668.79	728.63	183	128.11	93	41.75
Tennessee ..	17	4.6	.....	89.47	184.16	203.83	477.46	441.62	508.88	12	64.07	5	46.93
Virginia .....	35	5.8	11	95.19	284.11	303.87	633.25	543.13	678.29	14	124.30	12	71.98
W. Virginia ..	6	5.2	2	112.00	261.44	277.60	613.71	807.46	890.79	5	350.04	1	87.68
Total ..	623	4.8	112	107.33	281.21	302.43	671.50	698.49	784.11	405	205.49	207	63.13
Belgium....	75	5.5	5	34.37	165.00	156.37	353.45	213.51	359.37	35	65.24	40	46.00
France .....	40	5.3	.....	30.98	195.84	174.27	401.09	331.62	464.74	29	100.70	11	34.01
Germany ..	22	6.0	1	17.49	147.56	125.41	288.07	243.92	282.20	9	16.63	13	21.45
Gt. Britain ..	114	4.8	.....	63.27	226.08	201.32	480.67	438.99	519.99	72	66.83	11	29.90
Total ..	251	5.2	6	41.36	196.13	176.93	413.09	337.41	442.35	145	70.10	75	37.62
Grand total	874	4.9	118	86.04	256.78	266.39	597.29	594.79	685.96	550	169.79	282	56.34



TABLE XXI.—BAR IRON: RECAPITULATION OF COST OF LIVING, BY STATES—Concluded.

## G.—RECAPITULATION OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

State or country.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
Alabama.....	39	5.3	1	\$22.12	\$46.62	\$72.50	\$140.81	\$163.06
Illinois.....	68	4.9	12	18.51	68.54	72.65	156.26	172.59
New York.....	41	6.3	1	15.01	48.69	45.55	109.13	109.88
Ohio.....	140	4.8	54	20.05	50.43	74.33	136.74	192.12
Pennsylvania.....	277	4.5	31	27.19	65.98	57.97	147.47	163.29
Tennessee.....	17	4.6	.....	19.50	40.14	44.43	104.07	110.91
Virginia.....	35	5.8	11	17.71	49.23	52.65	113.19	117.53
West Virginia.....	6	5.2	2	21.33	50.60	53.73	118.78	172.41
Total.....	623	4.8	112	22.54	58.05	62.43	138.62	161.86
Belgium.....	75	5.5	5	6.15	29.96	28.40	64.19	65.26
France.....	40	5.3	.....	5.82	36.78	32.73	75.33	87.27
Germany.....	22	6.0	1	3.05	24.78	21.06	48.38	47.39
Great Britain.....	114	4.8	.....	11.08	47.03	41.88	99.99	108.17
Total.....	251	5.2	6	7.97	37.72	34.03	79.45	85.08
Grand total.....	874	4.9	118	17.56	51.91	53.86	120.76	138.68

## H.—RECAPITULATION OF MEANS OF SUPPORT.

[Two other natural combinations suggest themselves as lacking in this table, namely, "Husband and wife" and "Husband and children," but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of "Husband, wife, and children" consists of "Husband and children."]

State or country.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
Alabama.....	39	17	9	1	1	5	4	1	1
Illinois.....	68	25	18	5	4	9	6	.....	1
New York.....	41	8	2	5	11	2	5	5	3
Ohio.....	140	a 77	24	7	4	18	2	7	1
Pennsylvania.....	277	148	77	16	11	a 15	4	5	1
Tennessee.....	17	5	5	.....	.....	6	.....	1	.....
Virginia.....	35	b 7	5	c 7	4	a 6	3	b 3	.....
West Virginia.....	6	4	1	1	.....	.....	.....	.....	.....
Total.....	623	d 291	141	c 42	35	b 61	24	b 22	7
Belgium.....	75	9	20	20	12	3	5	3	3
France.....	40	9	3	13	2	4	5	3	1
Germany.....	22	4	8	1	.....	4	3	.....	2
Great Britain.....	114	e 65	7	f 28	3	4	1	a 6	.....
Total.....	251	e 87	38	f 62	17	15	14	a 12	6
Grand total.....	874	g 378	179	h 104	52	b 76	38	d 34	13

a In one case expenditure equals income.  
b In two cases expenditure equals income.  
c In four cases expenditure equals income.  
d In three cases expenditure equals income.

e In twenty-four cases expenditure equals income.  
f In six cases expenditure equals income.  
g In twenty-seven cases expenditure equals income.  
h In ten cases expenditure equals income.

TABLE XXI.—STEEL: RECAPITULATION OF COST OF LIVING, BY STATES.

## A.—RECAPITULATION OF CONDITION AS TO CHILDREN.

State or country.	Children at work.			Children at school.			Children at home.			Chil- dren, condi- tion unkn.	Total chil- dren.	Aver- age chil- dren, per fam- ily.	Fam- ilies with- out chil- dren.	Total fam- ilies.
	Fam- ilies.	Chil- dren.	Aver- age.	Fam- ilies.	Chil- dren.	Aver- age.	Fam- ilies.	Chil- dren.	Aver- age.					
Alabama .....							1	1	1.0	2	3	3.0	1	2
Illinois .....	3	6	2.0	7	18	2.6	29	56	1.9	6	86	2.6	5	38
New York .....	20	37	1.9	35	61	1.7	39	69	1.8	.....	167	3.2	9	62
Ohio .....	2	4	2.0	2	9	4.5	3	5	1.7	3	21	4.2	3	8
Pennsylvania .....				18	42	2.3	32	55	1.7	20	117	2.7	5	48
W. Virginia .....	3	6	2.0	11	21	1.9	13	26	2.0	5	58	3.1	6	25
Total....	28	53	1.9	73	151	2.1	117	212	1.8	36	452	2.9	29	183
Germany ...	6	9	1.5	1	4	4.0	27	57	2.1	28	98	3.1	3	35
Gt. Britain..	71	113	1.6	111	269	2.4	102	164	1.6	3	549	3.7	19	166
Total....	77	122	1.6	112	273	2.4	129	221	1.7	31	647	3.6	22	201
Grand total.	105	175	1.7	185	424	2.3	246	433	1.8	67	1,099	3.3	51	384

## B.—RECAPITULATION OF SOURCES OF INCOME.

State or country.	Families—						Income—					
	Total.	Aver- age size.	With income from—				Per family from—					Per indi- vidual.
			Hus- bands	Wives.	Chil- dren.	Board- ers.	Hus- bands.	Wives.	Chil- dren.	Board- ers.	Aver- age.	
Alabama ...	2	3.5	2	.....	.....	.....	\$350.00	.....	.....	.....	\$350.00	\$100.00
Illinois ...	38	4.5	38	.....	3	4	672.54	.....	\$400.87	\$174.75	722.58	161.52
New York ...	62	5.1	62	6	20	24	374.67	\$158.67	247.60	139.71	523.97	103.13
Ohio .....	8	4.6	8	.....	2	2	815.83	.....	547.50	19.25	957.51	207.03
Pennsylvania ..	48	4.5	48	.....	.....	6	695.25	.....	.....	135.00	712.12	158.99
W. Virginia ..	25	4.6	25	.....	3	6	659.36	.....	352.33	234.00	757.80	164.74
Total....	183	4.7	183	6	28	42	578.52	158.67	296.67	150.11	663.56	141.36
Germany ...	35	4.0	35	.....	6	4	232.04	.....	82.92	33.92	250.13	51.20
Gt. Britain..	166	5.3	166	1	71	44	487.34	486.65	196.85	55.32	589.13	111.38
Total....	201	5.2	201	1	77	48	442.89	486.65	187.97	53.53	530.10	101.57
Grand total.	384	5.0	384	7	105	90	507.52	205.52	216.95	98.60	593.70	119.49

TABLE XXI.—STEEL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## C.—RECAPITULATION OF EXPENDITURE FOR RENT.

State or country.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
Alabama.....	2	3.5	.....	2	3.0	.....	\$60.00	\$17.14
Illinois.....	38	4.5	1	37	4.1	.....	91.54	20.95
New York.....	62	5.1	11	50	4.5	1	83.84	16.25
Ohio.....	8	4.6	5	3	5.3	.....	89.33	29.78
Pennsylvania.....	48	4.5	10	35	6.0	3	70.62	16.67
West Virginia.....	25	4.6	1	24	3.7	.....	106.23	23.39
Total.....	183	4.7	28	151	4.6	4	86.44	18.57
Germany.....	35	4.9	.....	33	2.0	2	9.70	1.99
Great Britain.....	166	5.3	10	97	4.2	59	48.31	9.17
Total.....	201	5.2	10	130	3.6	61	41.23	7.93
Grand total.....	384	5.0	38	281	4.2	65	61.41	12.39

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (1.)

State or country.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama....	2	3.5	2	\$13.50	2	\$17.00	1	\$6.00	2	\$7.00	.....	.....	2	\$5.00
Illinois.....	38	4.5	.....	.....	11	8.68	30	106.90	5	12.95	4	\$13.77	14	17.79
New York....	62	5.1	62	40.68	55	21.38	55	27.44	.....	.....	42	3.49	57	6.03
Ohio.....	8	4.6	.....	.....	.....	.....	8	85.03	.....	.....	8	6.90	6	5.71
Pennsylvania.....	48	4.5	.....	.....	.....	.....	48	72.41	.....	.....	35	9.46	35	3.92
W. Virginia.....	25	4.6	.....	.....	.....	.....	25	72.41	.....	.....	22	4.38	21	9.42
Total....	183	4.7	64	39.83	68	19.20	167	64.00	7	11.25	111	6.16	135	7.20
Germany....	35	4.9	.....	.....	32	10.58	35	30.43	.....	.....	21	2.53	4	3.81
Gt. Britain...	166	5.3	.....	.....	112	19.24	163	74.92	.....	.....	89	14.46	115	14.55
Total....	201	5.2	.....	.....	144	17.32	198	67.06	.....	.....	110	12.19	119	14.18
Grand total.	384	5.0	64	39.83	212	17.92	365	65.66	7	11.25	221	9.16	254	10.47



TABLE XXI.—STEEL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (2.)

State or country.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	2	3.5	.....	.....	2	\$0.88	.....	.....	1	\$1.95	2	\$1.88	2	\$7.50
Illinois .....	38	4.5	30	\$17.82	27	\$1.19	1	\$9.36	12	16.59	22	17.34	28	21.20
New York ..	62	5.1	51	14.90	60	32.37	31	2.87	61	12.38	43	8.42	62	25.56
Ohio .....	8	4.6	7	14.67	7	47.90	.....	.....	8	7.88	6	4.63	8	14.10
Pennsylvania	48	4.5	38	10.98	38	16.08	34	3.02	46	14.00	47	10.81	45	17.98
W. Virginia	25	4.6	20	18.20	25	34.08	5	5.89	21	3.38	25	11.12	25	11.18
Total ...	183	4.7	146	14.92	159	28.83	71	3.25	149	11.64	145	10.77	170	19.97
Germany ...	35	4.9	33	8.43	22	7.95	.....	.....	.....	.....	35	6.30	35	8.49
Gt. Britain..	166	5.3	153	16.83	161	30.55	14	6.59	158	16.74	58	5.97	159	9.01
Total ...	201	5.2	186	15.34	183	27.83	14	6.59	158	16.74	93	6.09	194	8.92
Grand total.	384	5.0	332	15.15	342	28.30	85	3.80	307	14.27	238	8.94	364	14.05

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (3.)

State or country.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	2	3.5	2	\$2.93	2	\$11.25	2	\$36.60	.....	.....	.....	.....	.....	.....
Illinois .....	38	4.5	11	4.74	22	9.21	29	31.33	4	\$24.58	.....	.....	9	\$15.78
New York ..	62	5.1	8	1.50	51	2.76	61	30.25	49	15.29	5	\$1.00	21	3.42
Ohio .....	8	4.6	5	1.70	7	6.50	8	27.79	7	2.95	.....	.....	7	9.33
Pennsylvania	48	4.5	36	2.37	35	4.57	48	23.51	35	1.92	.....	.....	41	4.52
W. Virginia	25	4.6	14	2.71	25	5.00	24	24.01	21	3.54	.....	.....	19	8.10
Total ...	183	4.7	76	2.66	142	4.91	172	27.64	116	8.71	5	1.00	97	6.37
Germany ...	35	4.9	.....	.....	.....	.....	34	4.18	35	31.57	6	1.85	13	2.01
Gt. Britain..	166	5.3	4	2.31	35	4.82	155	29.26	55	19.48	.....	.....	27	8.74
Total ...	201	5.2	4	2.31	35	4.82	189	24.75	90	24.18	6	1.85	40	6.55
Grand total.	384	5.0	80	2.64	177	4.89	361	26.13	206	15.47	11	1.46	137	6.43

TABLE XXI.—STEEL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (4.)

State or country.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
Alabama ...	2	3.5	2	\$3.00	2	\$3.15	.....	.....	2	\$14.00	\$127.65	\$36.47
Illinois .....	38	4.5	25	10.48	20	10.25	.....	.....	38	90.52	303.73	67.89
New York..	62	5.1	62	8.82	59	3.96	.....	.....	62	22.10	260.74	51.32
Ohio .....	8	4.6	8	6.79	7	7.86	8	\$2.01	7	17.38	252.58	54.61
Pennsylvania	48	4.5	47	7.27	47	7.37	.....	.....	48	34.26	229.06	51.14
W. Virginia	25	4.6	25	8.31	25	10.79	24	1.28	22	3.76	221.46	48.14
Total ..	183	4.7	169	8.39	160	6.98	32	1.47	179	37.36	254.18	54.15
Germany ...	35	4.9	33	8.48	33	4.73	8	2.41	35	8.80	128.29	26.26
Gt. Britain..	166	5.3	160	10.05	117	11.30	.....	.....	164	44.49	274.60	51.92
Total ...	201	5.2	193	9.78	150	9.85	8	2.41	199	38.21	249.13	47.74
Grand total.	384	5.0	362	9.13	310	8.37	40	1.65	378	37.81	251.54	50.62

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

State or country.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	2	3.5	2	\$18.25	2	\$2.50	2	\$30.00	2	\$25.00	1	\$40.00
Illinois .....	38	4.5	38	38.45	38	3.72	38	41.08	37	28.16	33	35.45
New York..	62	5.1	62	30.81	62	3.87	62	30.00	60	15.57	53	59.04
Ohio .....	8	4.6	8	32.34	8	4.55	8	43.13	8	46.50	5	192.60
Pennsylvania	48	4.5	48	18.77	46	6.68	48	23.85	48	20.88	43	35.59
W. Virginia	25	4.6	22	26.67	25	3.86	25	47.80	25	31.80	19	70.63
Total ...	183	4.7	180	28.63	181	4.56	183	33.69	180	23.31	154	53.09
Germany ...	35	4.9	35	8.74	35	2.42	35	24.35	34	11.08	31	12.35
Gt. Britain..	166	5.3	166	18.36	166	6.71	166	25.32	163	23.86	147	47.54
Total ...	201	5.2	201	16.69	201	5.96	201	25.15	197	21.66	178	41.41
Grand total.	384	5.0	381	22.33	382	5.80	384	29.22	377	22.44	332	46.83

TABLE XXI.—STEEL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)

State or country.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama....	2	3.5	2	\$3.50	---	---	---	---	---	---	---	---
Illinois.....	38	4.5	2	2.60	1	\$2.50	6	\$18.22	28	\$3.35	7	\$8.29
New York....	62	5.1	11	24.73	12	7.94	22	20.46	1	10.50	10	5.96
Ohio.....	8	4.6	5	18.00	5	7.88	5	19.92	1	6.00	2	9.25
Pennsylvania	48	4.5	12	16.20	7	18.50	14	14.64	19	6.89	17	11.50
W. Virginia..	25	4.6	24	3.48	4	3.75	5	30.20	4	4.75	2	8.13
Total...	183	4.7	56	11.64	29	9.71	52	19.52	53	4.91	38	9.15
Germany...	35	4.9	31	2.04	1	.78	---	---	---	---	10	1.81
Gt. Britain..	166	5.3	97	8.13	7	8.20	75	4.46	80	8.48	95	7.18
Total...	201	5.2	128	6.66	8	7.28	75	4.46	80	8.48	105	6.67
Grand total.	384	5.0	184	8.17	37	9.19	127	10.63	133	7.06	143	7.33

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)

State or country.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama....	2	3.5	1	\$3.00	1	\$0.50	2	\$7.00	---	---	1	\$6.00
Illinois.....	38	4.5	28	7.66	24	4.08	19	25.24	34	\$6.23	22	14.86
New York....	62	5.1	38	8.34	32	3.22	53	12.44	36	4.89	22	2.70
Ohio.....	8	4.6	7	14.54	5	4.60	3	150.67	7	6.61	2	15.00
Pennsylvania	48	4.5	37	5.89	46	3.02	47	11.19	48	7.89	11	16.36
W. Virginia..	25	4.6	18	8.47	18	6.00	10	45.60	22	7.57	6	24.50
Total...	183	4.7	129	7.81	126	3.74	134	19.31	147	6.66	64	11.71
Germany...	35	4.9	19	.97	27	1.00	33	9.32	12	1.93	28	6.45
Gt. Britain..	166	5.3	105	8.02	86	5.76	116	9.36	147	6.04	130	30.01
Total...	201	5.2	124	6.94	113	4.62	149	9.35	159	5.73	158	25.83
Grand total.	384	5.0	253	7.38	239	4.16	283	14.06	306	6.18	222	21.76



TABLE XXI.—STEEL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

State or country.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
Alabama...	2	3.5	2	\$45.00	2	\$23.00	2	\$15.00	2	\$13.00	\$207.00	\$59.14
Illinois....	38	4.5	30	37.71	32	10.17	35	31.60	31	16.62	264.55	59.13
New York...	62	5.1	18	22.72	56	8.41	59	12.57	61	20.25	211.81	41.69
Ohio.....	8	4.6	1	6.00	6	11.30	6	24.17	8	6.15	393.71	85.13
Pennsylvania.	48	4.5	15	4.33	22	13.91	47	13.51	45	32.29	200.87	44.85
W. Virginia.	25	4.6	4	39.25	22	11.40	16	44.63	25	18.02	276.13	60.03
Total...	183	4.7	70	26.55	140	10.48	165	20.43	172	21.68	236.58	50.40
Germany...	35	4.9	35	10.44	33	4.28	35	12.97	35	11.27	114.20	23.37
Gt. Britain...	166	5.3	72	33.84	70	13.20	113	6.99	50	36.98	210.81	39.86
Total...	201	5.2	107	26.19	103	10.35	148	8.41	85	26.40	193.99	37.17
Grand total.	384	5.0	177	26.33	243	10.42	313	14.75	257	23.24	214.29	43.13

## F.—RECAPITULATION OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

State or country.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.		Deficit.	
										Families.	Average.	Families.	Average.
Alabama...	2	3.5	.....	\$60.00	\$127.65	\$207.00	\$394.65	\$350.00	\$350.00	.....	.....	2	\$44.65
Illinois....	38	4.5	1	94.54	303.73	264.55	660.33	672.54	722.58	27	\$129.69	11	103.27
New York...	62	5.1	11	83.84	260.74	211.81	540.16	374.67	523.97	26	75.51	36	82.42
Ohio.....	8	4.6	5	89.33	252.58	393.71	679.79	815.83	957.51	7	318.24	1	5.84
Pennsylvania.	48	4.5	10	70.62	229.06	200.87	485.84	695.25	712.12	40	280.33	8	43.94
West Va..	25	4.6	1	106.25	221.46	276.13	599.60	659.36	757.80	17	263.22	8	64.96
Total..	183	4.7	28	86.44	254.18	236.58	563.50	578.52	663.56	117	199.83	66	76.81
Germany..	35	4.9	.....	9.70	128.29	114.20	252.19	232.04	250.13	16	15.51	18	17.80
Gt. Britain.	166	5.3	10	48.31	274.60	210.81	530.92	487.34	589.13	94	105.92	11	25.03
Total..	201	5.2	10	41.23	249.13	193.99	482.30	442.89	530.10	110	92.77	29	20.57
Grand total	384	5.0	38	61.41	251.54	214.29	521.00	507.52	593.70	227	147.95	95	59.64

TABLE XXI.—STEEL: RECAPITULATION OF COST OF LIVING, BY STATES—Concluded.

## G.—RECAPITULATION OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

State or country.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
Alabama.....	2	3.5	.....	\$17.14	\$36.47	\$59.14	\$112.75	\$100.00
Illinois.....	38	4.5	1	20.95	67.89	59.13	147.60	161.52
New York.....	62	5.1	11	16.25	51.32	41.69	106.32	103.13
Ohio.....	8	4.6	5	29.78	54.61	35.13	146.98	207.03
Pennsylvania.....	48	4.5	10	16.07	51.14	44.85	108.47	158.99
West Virginia.....	25	4.6	1	23.39	48.14	60.03	130.35	164.74
Total.....	183	4.7	28	18.57	54.15	50.40	120.05	141.36
Germany.....	35	4.9	.....	1.99	26.26	23.37	51.62	51.20
Great Britain.....	166	5.3	10	9.17	51.92	39.86	100.36	111.38
Total.....	201	5.2	10	7.93	47.74	37.17	92.41	101.57
Grand total.....	384	5.0	38	12.39	50.62	43.13	104.85	119.49

## H.—RECAPITULATION OF MEANS OF SUPPORT.

[Two other natural combinations suggest themselves as lacking in this table, namely, "Husband and wife" and "Husband and children," but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of "Husband, wife, and children" consists of "Husband and children."]

State or country.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
Alabama.....	2	.....	2	.....	.....	.....	.....	.....	.....
Illinois.....	38	21	10	2	1	4	.....	.....	.....
New York.....	62	10	12	3	13	10	6	3	5
Ohio.....	8	4	.....	1	1	2	.....	.....	.....
Pennsylvania.....	48	34	3	.....	.....	6	.....	.....	.....
West Virginia.....	25	12	4	1	2	4	2	.....	.....
Total.....	183	81	36	7	17	26	8	3	5
Germany.....	35	a 15	11	2	3	.....	3	.....	1
Great Britain.....	166	b 59	8	c 49	1	d 30	2	e 17	.....
Total.....	201	f 74	19	c 51	4	d 30	5	e 17	1
Grand total.....	384	f 155	55	c 58	21	d 56	13	e 20	6

a In one case expenditure equals income.

b In thirty cases expenditure equals income.

c In thirteen cases expenditure equals income

d In sixteen cases expenditure equals income.

e In two cases expenditure equals income.

f In thirty-one cases expenditure equals income.

TABLE XXI.—BITUMINOUS COAL: RECAPITULATION OF COST OF LIVING, BY STATES.

## A.—RECAPITULATION OF CONDITION AS TO CHILDREN.

State or country.	Children at work.			Children at school.			Children at home.			Children, condition unk.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
Alabama...	14	19	1.4	22	38	1.7	39	88	2.3	29	174	3.6	11	60
Indiana.....	5	6	1.2	.....	.....	.....	26	39	1.5	36	81	2.7	6	36
Ohio.....	40	61	1.5	62	135	2.2	72	129	1.8	21	346	3.7	10	103
Pennsylvania	107	181	1.7	87	172	2.0	241	628	2.6	.....	981	3.7	34	301
W. Virginia	5	6	1.2	5	9	1.8	5	6	1.2	8	29	3.6	.....	8
Total...	171	273	1.6	176	354	2.0	383	890	2.3	94	1,611	3.6	61	508
Belgium....	5	12	2.4	8	19	2.4	5	8	1.6	1	40	4.4	1	10
Germany....	7	9	1.3	13	32	2.5	15	32	2.1	1	74	4.4	1	18
Gt. Britain..	70	116	1.7	119	267	2.2	110	176	1.6	5	564	3.6	10	166
Total...	82	137	1.7	140	318	2.3	130	216	1.7	7	678	3.7	12	194
Grand total.	253	410	1.6	316	672	2.1	513	1,106	2.2	101	2,289	3.6	73	702

## B.—RECAPITULATION OF SOURCES OF INCOME.

State or country.	Families—						Income—					
	Total.	Average size.	Income from—				Per family from—					Per individual.
			Husbands.	Wives.	Children.	Boarders.	Husbands.	Wives.	Children.	Boarders.	Average.	
Alabama...	60	5.1	60	4	14	9	\$575.79	\$130.00	\$311.64	\$106.67	\$673.17	\$133.30
Indiana.....	36	4.3	36	1	5	6	338.46	125.00	195.60	33.17	374.63	87.57
Ohio.....	103	5.5	103	2	32	13	366.69	302.00	213.73	160.69	459.23	83.72
Pennsylvania	301	5.4	301	2	85	70	428.72	110.00	392.41	152.37	575.69	106.05
W. Virginia	8	6.0	8	.....	4	6	404.30	.....	161.25	202.14	636.53	106.09
Total..	508	5.3	508	9	140	104	426.73	163.22	329.86	145.45	650.30	103.39
Belgium....	10	6.0	10	.....	5	.....	291.50	.....	270.10	.....	426.55	71.09
Germany....	18	7.1	18	.....	7	11	257.51	.....	165.11	114.17	391.49	55.49
Gt. Britain..	166	5.4	166	1	70	11	376.72	131.40	262.86	104.14	495.25	91.55
Total..	194	5.6	194	1	82	22	361.26	131.40	254.96	109.16	482.08	86.20
Grand total	702	5.4	702	10	222	126	408.64	160.04	302.19	139.11	531.45	98.46



TABLE XXI.—BITUMINOUS COAL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## C.—RECAPITULATION OF EXPENDITURE FOR RENT.

State or country.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
Alabama .....	60	5.1	6	54	2.7	---	\$46.89	\$9.66
Indiana.....	36	4.3	5	9	3.7	22	52.90	12.33
Ohio .....	103	5.5	26	74	3.8	3	48.53	9.35
Pennsylvania.....	301	5.4	97	190	4.3	14	69.96	12.94
West Virginia.....	8	6.0	.....	8	3.6	.....	89.23	14.87
Total .....	508	5.3	134	335	3.9	39	61.19	11.76
Belgium .....	10	6.0	1	6	3.3	3	18.96	3.10
Germany .....	18	7.1	.....	18	3.3	.....	38.64	5.48
Great Britain.....	166	5.4	1	165	3.8	.....	47.50	8.79
Total .....	194	5.6	2	189	3.8	3	45.47	8.13
Grand total.....	702	5.4	136	524	3.8	42	55.84	10.47

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (1.)

State or country.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	60	5.1	58	\$27.93	59	\$24.47	43	\$16.88	14	\$8.57	9	\$3.27	49	\$7.57
Indiana .....	36	4.3	-----	-----	-----	-----	35	34.85	-----	-----	-----	-----	24	10.20
Ohio .....	103	5.5	-----	-----	22	32.48	103	62.21	5	5.40	18	6.50	70	13.82
Pennsylvania .....	301	5.4	-----	-----	22	20.60	301	73.58	-----	-----	-----	-----	58	13.19
W. Virginia .....	8	6.0	-----	-----	-----	-----	8	75.75	-----	-----	2	4.20	8	9.77
Total ...	508	5.3	58	27.93	103	25.35	490	63.48	19	7.74	29	5.34	209	11.61
Belgium .....	10	6.0	9	34.59	3	7.18	1	69.48	-----	-----	-----	-----	5	4.73
Germany .....	18	7.1	8	35.94	8	34.63	10	51.12	-----	-----	-----	-----	6	6.79
Gt. Britain .....	166	5.4	-----	-----	153	17.47	166	70.54	-----	-----	26	10.53	149	10.06
Total ...	194	5.6	17	35.23	164	18.12	177	69.43	-----	-----	26	10.53	160	9.77
Grand total .....	702	5.4	75	20.58	267	20.91	667	65.06	19	7.74	55	7.79	369	10.81

**TABLE XXI.—BITUMINOUS COAL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.****D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (2.)**

State or country.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	60	5.1	18	\$6.08	45	\$15.76	42	\$6.51	42	\$7.02	57	\$12.15	59	\$24.78
Indiana.....	36	4.3	20	6.11	32	13.58	.....	.....	5	4.73	34	9.77	34	13.17
Ohio.....	103	5.5	58	9.26	82	25.25	34	8.49	93	7.81	91	9.11	103	19.58
Pennsylvania.	301	5.4	127	13.88	243	30.36	53	9.39	237	9.34	201	11.28	297	22.88
W. Virginia.	8	6.0	6	13.85	7	32.30	4	5.40	5	3.17	7	17.12	8	16.00
Total ...	508	5.3	229	11.41	409	26.45	133	8.13	382	8.57	390	10.88	501	21.66
Belgium.....	10	6.0	8	8.98	10	49.20	.....	.....	.....	.....	10	16.13	7	4.44
Germany....	18	7.1	10	7.48	15	26.78	1	4.99	.....	.....	14	19.16	13	2.47
Gt. Britain..	166	5.4	159	16.52	163	22.04	2	4.77	162	16.03	20	5.16	162	10.19
Total ...	194	5.6	177	15.67	188	23.87	3	4.84	162	16.03	44	12.11	182	9.42
Grand total.	702	5.4	406	13.27	597	25.64	136	8.06	544	10.79	434	11.00	683	18.40

**D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (3.)**

State or country.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	60	5.1	45	\$3.39	57	\$12.92	60	\$43.42	10	\$4.03	6	\$1.59	47	\$4.51
Indiana.....	36	4.3	1	1.00	1	3.00	35	22.79	.....	.....	.....	.....	1	40.00
Ohio.....	103	5.5	61	3.73	65	10.35	103	35.03	25	3.98	36	4.47	64	6.37
Pennsylvania.	301	5.4	43	6.83	174	9.69	299	43.99	.....	.....	24	4.88	41	10.52
W. Virginia.	8	6.0	5	6.36	7	8.17	8	33.01	5	3.15	.....	.....	5	8.51
Total ...	508	5.3	155	4.56	304	10.38	505	40.45	40	3.89	66	4.35	158	7.17
Belgium.....	10	6.0	.....	.....	6	7.46	10	68.79	.....	.....	.....	.....	.....	.....
Germany....	18	7.1	.....	.....	4	16.39	11	21.67	14	42.43	.....	.....	.....	.....
Gt. Britain..	166	5.4	16	2.99	143	6.34	166	36.21	18	25.65	4	1.28	7	11.61
Total ...	194	5.6	16	2.99	153	6.65	187	37.09	32	32.99	4	1.28	7	11.61
Grand total.	702	5.4	171	4.41	457	9.13	692	39.54	72	16.82	70	4.18	165	7.36

**TABLE XXI.—BITUMINOUS COAL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.****D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (4.)**

State or country.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
Alabama ...	60	5.1	57	\$9.43	59	\$4.59	-----	-----	54	\$24.81	\$229.25	\$45.40
Indiana.....	36	4.3	29	5.22	1	1.50	1	\$0.60	35	17.83	123.43	28.85
Ohio.....	103	5.5	68	9.53	47	8.36	32	1.49	102	10.09	213.56	38.93
Pennsylvania.	301	5.4	250	11.64	111	11.98	5	2.17	300	47.33	260.49	47.99
W. Virginia.	8	6.0	8	12.66	8	12.02	8	1.44	8	13.47	251.89	41.98
Total...	508	5.3	412	10.55	226	9.25	46	1.54	499	34.67	237.44	44.61
Belgium ....	10	6.0	9	17.63	3	.32	2	.56	9	11.90	218.26	36.38
Germany ....	18	7.1	17	16.20	18	7.15	2	2.26	18	15.55	193.60	27.44
Gt. Britain..	166	5.4	160	9.65	117	4.90	-----	-----	165	27.44	246.35	45.54
Total...	194	5.6	186	10.64	138	5.09	4	1.41	192	25.60	240.01	42.91
Grand total.	702	5.4	593	10.58	364	7.68	50	1.53	691	32.15	238.15	44.12

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

State or country.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	60	5.1	45	\$14.54	60	\$7.21	60	\$54.92	60	\$34.77	49	\$80.67
Indiana.....	36	4.3	36	17.34	36	3.60	36	42.53	36	21.01	29	41.98
Ohio.....	103	5.5	90	21.70	103	3.15	103	28.61	102	17.94	93	54.68
Pennsylvania.	301	5.4	261	13.18	301	4.26	301	30.27	301	17.16	263	55.93
W. Virginia.	8	6.0	8	29.11	8	2.19	8	40.25	8	33.13	8	101.00
Total...	508	5.3	440	15.69	508	4.30	508	33.87	507	19.92	442	53.31
Belgium ....	10	6.0	9	14.42	10	3.75	10	18.41	10	9.17	9	35.25
Germany ....	18	7.1	18	10.66	18	3.40	18	17.28	18	9.86	17	38.58
Gt. Britain..	166	5.4	162	15.43	164	5.35	165	17.83	161	15.20	156	33.27
Total...	194	5.6	189	14.92	192	5.08	193	17.81	189	14.37	182	33.86
Grand total.	702	5.4	629	15.46	700	4.52	701	29.45	696	18.42	624	51.18



**TABLE XXI.—BITUMINOUS COAL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.****E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

State or country.	Families.		Pit expenses.		Taxes.		Insurance.				Organizations.			
							Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	60	5.1	43	\$50.30	55	\$5.35	---	---	---	---	15	\$9.13	23	\$12.35
Indiana.....	36	4.3	---	---	36	4.56	4	\$1.60	2	\$18.50	34	8.72	5	5.84
Ohio.....	103	5.5	---	---	27	5.38	12	4.84	3	11.00	50	4.86	28	6.14
Pennsylvania.	301	5.4	91	31.17	273	5.16	66	3.40	10	17.11	160	4.32	142	7.94
W. Virginia.	8	6.0	---	---	8	6.96	2	9.00	2	10.80	5	3.00	5	5.00
Total ...	508	5.3	134	37.31	399	5.19	84	3.66	17	15.45	264	5.24	203	8.07
Belgium.....	10	6.0	---	---	1	1.54	7	.97	---	---	4	2.17	---	---
Germany.....	18	7.1	3	7.54	18	3.71	3	1.70	12	13.51	10	1.09	10	1.97
Gt. Britain...	166	5.4	---	---	1	19.47	1	1.22	145	11.05	95	7.37	116	6.76
Total ...	194	5.6	3	7.54	20	4.39	11	1.19	157	11.24	109	6.61	126	6.38
Grand total.	702	5.4	137	36.65	419	5.15	95	3.37	174	11.65	373	5.64	329	7.42

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

State or country.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	60	5.1	41	\$6.62	53	\$2.86	60	\$25.66	38	\$2.97	48	\$14.58
Indiana.....	36	4.3	18	3.78	36	9.61	36	11.44	23	3.60	8	9.83
Ohio.....	103	5.5	35	8.41	91	3.59	29	25.97	79	3.91	25	8.58
Pennsylvania.	301	5.4	214	7.06	223	4.28	240	23.90	260	6.21	111	9.53
W. Virginia.	8	6.0	6	6.03	4	4.50	4	29.38	8	5.46	---	---
Total ...	508	5.3	314	6.94	407	4.41	369	23.19	408	5.30	192	10.68
Belgium.....	10	6.0	4	.51	5	.52	10	9.07	4	1.33	6	8.21
Germany.....	18	7.1	15	1.11	13	.71	18	5.17	17	2.77	5	4.28
Gt. Britain...	166	5.4	82	4.65	71	2.57	146	4.78	158	4.07	111	15.07
Total ...	194	5.6	101	3.96	89	2.18	174	5.07	179	3.89	122	14.29
Grand total.	702	5.4	415	6.22	496	4.01	543	17.39	587	4.87	314	12.08

TABLE XXI.—BITUMINOUS COAL: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

State or country.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per Individual.
Alabama.....	60	5.1	45	\$19.76	52	\$15.15	60	\$18.92	60	\$37.35	\$352.13	\$69.73
Indiana.....	36	4.3	19	6.11	33	11.05	36	16.97	35	13.83	204.31	47.76
Ohio.....	103	5.5	55	8.39	86	9.35	87	17.21	103	22.86	192.30	35.06
Pennsylvania.	301	5.4	189	21.78	257	7.74	266	20.50	300	33.21	241.06	44.41
W. Virginia..	8	6.0	1	8.00	8	13.79	8	34.25	8	7.22	305.80	50.97
Total...	508	5.3	309	18.09	436	9.30	457	19.63	506	29.84	242.71	45.60
Belgium.....	10	6.0	9	26.50	10	5.39	10	4.34	10	11.60	137.93	22.99
Germany.....	18	7.1	16	11.48	16	3.86	13	21.08	9	8.54	137.15	19.44
Gt. Britain..	166	5.4	137	22.65	148	10.79	139	6.95	56	15.64	163.76	30.27
Total...	194	5.6	162	21.76	174	9.85	162	7.92	75	14.25	159.96	28.60
Grand total.	702	5.4	471	19.35	610	9.46	619	16.56	581	27.83	219.84	40.73

## F.—RECAPITULATION OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

State or country.	Families.		Own house	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Families.	Average.	Families.	Average.
Alabama..	60	5.1	6	\$46.89	\$229.25	\$352.13	\$623.58	\$575.79	\$673.17	34	\$147.22	26	\$78.07
Indiana...	36	4.3	5	52.90	123.43	204.31	373.29	338.46	374.63	16	31.29	18	25.15
Ohio.....	103	5.5	26	48.58	213.56	192.30	441.71	366.69	459.23	51	89.43	52	52.99
Pennsylvania	301	5.4	07	69.96	260.49	241.06	548.27	428.72	575.69	169	88.18	106	62.72
W. Virg'a..	8	6.0	.....	89.23	251.89	305.80	646.92	404.30	636.53	3	75.38	5	61.85
Total..	508	5.3	134	61.19	237.44	242.71	524.71	426.73	550.30	273	92.29	207	58.91
Belgium...	10	6.0	1	18.06	218.26	137.93	371.36	291.50	426.55	8	75.13	2	24.55
Germany...	18	7.1	.....	32.64	193.60	137.15	369.39	257.51	391.49	8	85.67	10	28.74
Gt. Britain..	166	5.4	1	47.50	246.35	193.76	457.32	376.72	495.25	114	58.54	19	19.78
Total..	194	5.6	2	45.47	240.01	159.96	444.73	361.26	482.08	130	61.23	31	22.98
Grand total	702	5.4	136	55.84	238.15	219.84	502.61	408.64	531.45	403	82.27	238	54.23

**TABLE XXI.—BITUMINOUS COAL: RECAPITULATION OF COST OF LIVING, BY STATES—Concluded.****G.—RECAPITULATION OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

State or country.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
Alabama .....	60	5.1	6	\$9.66	\$45.40	\$69.73	\$123.48	\$133.30
Indiana .....	36	4.3	5	12.33	28.85	47.76	87.26	87.57
Ohio .....	103	5.5	26	9.35	38.93	35.06	80.52	83.72
Pennsylvania .....	301	5.4	97	12.94	47.99	44.41	101.00	106.05
West Virginia .....	8	6.0	.....	14.87	41.98	50.97	107.82	106.09
Total .....	503	5.3	134	11.76	44.61	45.60	98.58	103.39
Belgium .....	10	6.0	1	3.10	36.38	22.99	61.89	71.09
Germany .....	18	7.1	.....	5.48	27.44	19.44	52.36	55.49
Great Britain .....	166	5.4	1	8.79	45.54	30.27	84.54	91.55
Total .....	194	5.6	2	8.13	42.91	28.60	79.52	86.20
Grand total .....	702	5.4	136	10.47	44.12	40.73	93.12	98.46

**II.—RECAPITULATION OF MEANS OF SUPPORT.**

[Two other natural combinations suggest themselves as lacking in this table, namely, "Husband and wife" and "Husband and children," but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of "Husband, wife, and children" consists of "Husband and children."]

State or country.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
Alabama .....	60	20	16	11	4	2	5	1	1
Indiana .....	36	a 13	14	2	1	a 2	2	1	1
Ohio .....	103	39	32	13	15	5	4	3	1
Pennsylvania .....	301	b 93	74	c 52	12	d 34	14	16	6
West Virginia .....	8	2	.....	.....	.....	.....	2	1	3
Total .....	508	e 158	136	c 78	32	e 43	27	22	12
Belgium .....	10	4	1	4	1	.....	.....	.....	.....
Germany .....	18	.....	4	2	1	3	4	3	1
Great Britain .....	166	f 78	10	g 58	9	h 7	.....	4	.....
Total .....	194	f 82	15	g 64	11	h 10	4	7	1
Grand total .....	702	i 240	151	j 142	43	k 53	31	29	13

a In one case expenditure equals income.

b In nineteen cases expenditure equals income.

c In four cases expenditure equals income.

d In three cases expenditure equals income.

e In twenty cases expenditure equals income.

f In twenty-six cases expenditure equals income.

g In five cases expenditure equals income.

h In two cases expenditure equals income.

i In forty-six cases expenditure equals income.

j In nine cases expenditure equals income.

k In six cases expenditure equals income.



TABLE XXI.—COKE: RECAPITULATION OF COST OF LIVING, BY STATES.

## A.—RECAPITULATION OF CONDITION AS TO CHILDREN.

State or country.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families with out children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
Alabama....	5	8	1.6	10	14	1.4	11	24	2.2	8	54	2.8	11	30
Pennsylvania	19	29	1.5	88	199	2.3	128	259	2.0	30	517	3.3	30	187
Tennessee..	3	3	1.0	5	9	1.8	11	23	2.1	.....	35	2.9	3	15
W. Virginia.	3	3	1.0	8	13	1.6	13	26	2.0	.....	42	2.8	2	17
Total...	30	43	1.4	111	235	2.1	163	332	2.0	38	648	3.2	46	249
Belgium....	3	8	2.7	3	9	3.0	2	3	1.5	.....	20	5.0	.....	4
Germany...	2	4	2.0	6	11	1.8	8	15	1.9	4	34	3.4	.....	10
Gt. Britain..	5	6	1.2	8	20	2.5	6	8	1.3	.....	34	2.6	2	15
Total...	10	18	1.8	17	40	2.4	16	26	1.6	4	88	3.3	2	29
Grand total.	40	61	1.5	128	275	2.1	179	358	2.0	42	736	3.2	48	278

## B.—RECAPITULATION OF SOURCES OF INCOME.

State or country.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands.	Wives.	Children.	Boarders.	Husbands.	Wives.	Children.	Boarders.	Average.	
Alabama..	30	4.2	30	.....	5	11	\$462.06	.....	\$236.00	\$92.82	\$535.43	\$128.50
Pennsylvania	187	5.0	187	.....	19	20	562.21	.....	361.92	199.98	620.37	124.47
Tennessee..	15	4.6	15	.....	3	4	221.59	.....	50.17	31.50	240.29	52.24
W. Virginia.	17	4.8	17	.....	3	4	369.31	.....	100.00	78.75	405.49	85.10
Total..	249	4.8	249	.....	30	39	516.46	.....	283.56	140.14	572.57	118.12
Belgium...	4	7.0	4	.....	3	.....	195.05	.....	244.27	.....	378.26	54.04
Germany...	10	6.5	10	.....	2	5	273.70	.....	281.08	119.19	389.51	59.92
Gt. Britain..	15	4.1	15	.....	5	.....	322.80	.....	168.87	.....	379.09	91.72
Total..	29	5.3	29	.....	10	5	288.25	.....	213.93	119.19	382.57	71.58
Grand total.	278	4.9	278	.....	40	44	492.65	.....	266.16	137.76	552.75	112.82

TABLE XXI.—COKE: RECAPITULATION OF COST OF LIVING, BY STATES—  
Continued.

## C.—RECAPITULATION OF EXPENDITURE FOR RENT.

State or country.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not re- porting rooms.	Rent per—	
				Families	Rooms per family.		Family.	Indi- vidual.
Alabama .....	30	4.2	2	28	2.3	.....	\$47.71	\$11.72
Pennsylvania.....	187	5.0	27	157	3.6	3	64.40	12.96
Tennessee .....	15	4.6	3	12	1.8	.....	29.75	7.14
West Virginia.....	17	4.8	1	14	4.5	2	32.86	6.97
Total .....	249	4.8	33	211	3.4	5	58.19	12.13
Belgium .....	4	7.0	1	3	2.0	.....	25.67	3.85
Germany .....	10	6.5	.....	10	3.5	.....	38.87	5.98
Great Britain.....	15	4.1	.....	15	2.9	.....	34.64	8.45
Total .....	29	5.3	1	28	3.0	.....	35.35	6.73
Grand total.....	278	4.9	34	239	3.3	5	55.51	11.45

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (1.)

State or country.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	30	4.2	29	\$21.90	27	\$23.05	22	\$16.14	9	\$7.22	5	\$1.92	26	\$5.59
Pennsylvania.	187	5.0	.....	.....	14	26.36	187	62.62	1	4.50	9	6.97	173	13.01
Tennessee ..	15	4.6	.....	.....	.....	.....	15	44.92	.....	.....	.....	.....	9	5.86
W. Virginia..	17	4.8	.....	.....	.....	.....	17	50.97	.....	.....	.....	.....	11	10.62
Total ...	249	4.8	29	21.90	41	24.18	241	56.45	10	6.95	14	5.17	219	11.72
Belgium ....	4	7.0	.....	.....	.....	.....	4	40.05	.....	.....	.....	.....	4	5.98
Germany ....	10	6.5	.....	.....	.....	.....	10	55.36	.....	.....	.....	.....	.....	.....
Gt. Britain ..	15	4.1	.....	.....	13	14.14	14	58.07	.....	.....	1	2.43	11	9.38
Total ...	29	5.3	.....	.....	13	14.14	28	54.53	.....	.....	1	2.43	15	8.48
Grand total..	278	4.9	29	21.90	54	21.76	269	56.25	10	6.95	15	4.99	234	11.51

TABLE XXI.—COKE: RECAPITULATION OF COST OF LIVING, BY STATES—  
Continued.

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (2.)

State or country.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Aver. age size.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.
Alabama ...	30	4.2	12	\$5.02	23	\$5.33	8	\$4.95	18	\$3.31	27	\$10.08	29	\$18.19
Pennsylvania ...	187	5.0	146	14.56	158	30.51	109	5.22	160	6.81	165	9.96	183	16.00
Tennessee ...	15	4.6	9	5.47	12	11.94	.....	.....	.....	.....	15	11.43	15	9.55
W. Virginia ...	17	4.8	12	5.92	14	15.08	.....	.....	1	5.00	17	11.09	17	10.80
Total ...	249	4.8	179	12.94	207	25.59	117	5.20	179	6.45	224	10.16	244	15.50
Belgium ....	4	7.0	4	9.41	4	43.91	1	1.03	.....	.....	4	14.34	4	3.14
Germany ...	10	6.5	10	9.91	10	23.80	.....	.....	.....	.....	10	17.48	6	4.28
Gt. Britain ...	15	4.1	14	14.04	14	14.74	6	8.44	14	13.79	1	4.38	14	8.90
Total ...	29	5.3	28	11.90	28	22.14	7	7.51	14	13.79	15	15.76	24	6.78
Grand total.	278	4.9	207	12.80	235	25.18	124	5.33	193	6.98	239	10.51	268	14.72

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (3.)

State or country.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Aver. age size.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.	Fam. ilies.	Aver. age cost.
Alabama ...	30	4.2	25	\$3.85	30	\$13.22	30	\$37.71	1	\$7.00	4	\$2.71	14	\$2.70
Pennsylvania ...	187	5.0	109	2.98	152	6.58	187	35.45	58	4.47	15	3.98	179	5.08
Tennessee ...	15	4.6	.....	.....	.....	.....	15	24.43	.....	.....	.....	.....	.....	.....
W. Virginia ...	17	4.8	.....	.....	.....	.....	17	34.81	.....	.....	.....	.....	.....	.....
Total ...	249	4.8	134	3.15	182	7.68	249	35.02	59	4.51	19	3.72	193	4.91
Belgium ....	4	7.0	.....	.....	.....	.....	.....	.....	4	70.88	.....	.....	.....	.....
Germany ...	10	6.5	.....	.....	.....	.....	2	3.54	10	52.67	.....	.....	.....	.....
Gt. Britain ...	15	4.1	2	1.22	13	5.07	14	30.79	1	15.82	.....	.....	1	6.33
Total ...	29	5.3	2	1.22	13	5.07	16	27.39	15	55.07	.....	.....	1	6.33
Grand total.	278	4.9	136	3.12	195	7.50	265	34.56	74	14.76	19	3.72	194	4.91



**TABLE XXI.—COKE: RECAPITULATION OF COST OF LIVING, BY STATES—**  
Continued.**D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (4.)**

State or country.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified.)		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
Alabama....	30	4.2	30	\$6.08	30	\$2.85	.....	.....	30	\$26.90	\$189.32	\$45.44
Pennsylvania.	187	5.0	176	12.28	171	11.55	181	\$2.14	180	15.26	235.92	47.33
Tennessee..	15	4.6	14	5.76	.....	.....	.....	.....	15	11.49	123.55	26.86
W. Virginia.	17	4.8	15	11.54	.....	.....	.....	.....	17	22.95	164.57	34.54
Total...	249	4.8	235	11.05	201	10.25	181	2.14	248	16.96	218.66	45.11
Belgium....	4	7.0	4	19.69	.....	.....	.....	.....	4	4.06	211.93	30.28
Germany....	10	6.5	10	18.11	10	6.68	.....	.....	10	11.81	199.09	30.63
Gt. Britain..	15	4.1	14	8.37	7	6.08	.....	.....	15	29.70	200.33	48.47
Total...	29	5.3	28	13.47	17	6.43	.....	.....	29	19.99	201.50	37.70
Grand total.	278	4.9	263	11.31	218	9.95	181	2.14	277	17.28	216.87	44.27

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

State or country.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama....	30	4.2	19	\$14.63	30	\$4.42	30	\$49.57	30	\$28.77	20	\$63.40
Pennsylvania.	187	5.0	113	15.00	184	2.57	187	42.30	183	28.09	154	58.63
Tennessee..	15	4.6	13	14.27	15	3.02	15	15.30	15	11.29	12	19.23
W. Virginia.	17	4.8	16	12.00	17	3.07	17	14.12	17	10.95	15	39.81
Total...	249	4.8	161	14.00	246	2.86	249	39.62	245	25.96	201	55.36
Belgium....	4	7.0	4	15.44	4	6.87	4	19.78	3	8.04	4	46.80
Germany....	10	6.5	10	8.57	10	4.61	10	23.92	10	13.45	10	27.13
Gt. Britain..	15	4.1	15	18.69	15	3.81	15	15.70	13	13.85	13	23.77
Total...	29	5.3	29	14.75	29	4.51	29	19.10	26	13.03	27	28.43
Grand total.	278	4.9	190	14.62	275	3.03	278	37.48	271	24.72	228	52.17

TABLE XXI.—**COKE**: RECAPITULATION OF COST OF LIVING, BY STATES—  
Continued.**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

State or country.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	30	4.2	22	\$4.18	.....	.....	.....	.....	2	\$4.50	7	\$9.86
Pennsylvania.	187	5.0	139	3.95	11	\$9.36	14	\$14.48	73	3.67	24	6.64
Tennessee ..	15	4.6	12	2.46	.....	.....	.....	.....	1	6.00	1	3.00
W. Virginia ..	17	4.8	17	2.65	.....	.....	7	11.86	.....	.....	7	4.57
Total ...	249	4.8	190	3.77	11	9.36	21	13.60	76	3.73	39	6.76
Belgium ....	4	7.0	1	4.83	1	6.76	.....	.....	1	2.32	.....	.....
Germany ....	10	6.5	10	3.95	1	1.42	2	7.60	4	.88	3	2.86
Gt. Britain ..	15	4.1	.....	.....	.....	.....	14	11.45	5	6.33	3	5.45
Total ...	29	5.3	11	4.03	2	4.09	16	10.97	10	3.75	6	4.15
Grand total.	278	4.9	201	3.78	13	8.55	37	12.47	86	3.73	45	6.41

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

State or country.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
Alabama ...	30	4.2	23	\$6.24	29	\$2.07	30	\$15.67	15	\$3.64	23	\$11.52
Pennsylvania.	187	5.0	102	7.93	110	4.67	59	29.53	127	5.27	7	44.62
Tennessee ..	15	4.6	6	3.07	5	.70	13	6.19	9	1.83	1	5.00
W. Virginia ..	17	4.8	6	1.67	17	2.44	17	11.13	14	2.89	17	7.29
Total ...	249	4.8	137	7.16	161	3.84	119	20.85	165	4.73	48	14.72
Belgium ....	4	7.0	4	.58	4	2.03	4	7.48	1	.58	4	4.35
Germany ....	10	6.5	10	1.33	9	.91	10	8.93	8	2.40	7	11.73
Gt. Britain ..	15	4.1	7	3.77	5	1.27	10	2.29	14	2.85	2	21.42
Total ...	29	5.3	21	2.00	18	1.26	24	5.92	23	2.60	13	10.95
Grand total.	278	4.9	158	6.47	179	3.58	143	18.35	188	4.47	61	13.91

TABLE XXI.—COKE: RECAPITULATION OF COST OF LIVING, BY STATES—  
Continued.

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

State or country.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
Alabama....	30	4.2	25	\$15.72	26	\$12.75	30	\$14.20	30	\$31.03	\$242.44	\$58.19
Pennsylvania..	187	5.0	60	24.62	167	8.19	146	17.73	186	11.04	198.19	39.77
Tennessee..	15	4.6	8	8.75	15	10.77	15	13.73	14	7.00	103.98	22.60
W. Virginia..	17	4.8	11	15.14	15	9.63	17	12.00	17	14.26	152.38	31.98
Total...	249	4.8	104	20.25	223	8.99	208	16.47	247	13.46	194.72	40.17
Belgium....	4	7.0	4	29.14	2	8.30	3	8.36	4	10.13	162.69	23.24
Germany...	10	6.5	10	20.14	8	4.52	10	16.99	8	11.14	155.36	23.90
Gt. Britain..	15	4.1	11	18.47	12	11.27	14	3.84	3	19.63	124.00	30.00
Total...	29	5.3	25	20.85	22	8.55	27	9.22	15	12.57	140.15	26.22
Grand total.	278	4.9	129	20.37	245	8.95	235	15.63	262	13.41	189.03	38.58

## F.—RECAPITULATION OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

State or country.	Families.		Own house	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Aver- age size.		Rent.	Food.	Other pur- poses.	All pur- poses.	Hns. band.	All sources.	Surplns.		Deficit.	
										Fam- ilies.	Aver- age.	Fam- ilies.	Aver- age.
Alabama..	30	4.2	2	\$47.71	\$189.32	\$242.44	\$476.29	\$462.06	\$535.43	16	\$145.64	14	\$39.73
Pennsylv'a	187	5.0	27	64.40	235.92	198.19	488.18	562.21	620.37	155	172.54	32	63.21
Tennessee.	15	4.6	3	29.75	123.55	103.98	251.32	221.59	240.29	4	10.44	11	18.84
W.Virginia	17	4.8	1	33.86	164.57	152.38	344.83	369.31	405.49	16	64.97	1	8.30
Total..	249	4.8	33	58.19	218.66	194.72	462.69	516.46	572.57	191	157.88	58	48.18
Belgium...	4	7.0	1	25.67	211.93	162.69	393.86	195.05	378.26	1	78.90	3	47.11
Germany...	10	6.5	.....	38.87	199.09	155.36	393.32	273.70	389.51	3	28.24	7	17.54
Gt. Britain	15	4.1	.....	34.94	200.33	124.00	359.27	322.80	379.09	8	46.15	4	17.97
Total..	29	5.3	1	35.35	201.50	140.15	375.78	288.25	382.57	12	44.40	14	24.00
Grand total	278	4.9	34	55.51	216.87	189.03	453.62	492.65	552.75	203	151.17	72	43.48



TABLE XXI.—COKE: RECAPITULATION OF COST OF LIVING, BY STATES—  
Concluded.

## G.—RECAPITULATION OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

State or country.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
Alabama .....	30	4.2	2	\$11.72	\$45.44	\$58.19	\$114.31	\$128.50
Pennsylvania.....	187	5.0	27	12.96	47.33	39.77	97.05	124.47
Tennessee.....	15	4.6	3	7.14	26.36	22.60	54.63	52.24
West Virginia.....	17	4.8	1	6.97	34.54	31.98	72.37	85.10
Total .....	249	4.8	33	12.13	45.11	40.17	95.45	118.12
Belgium .....	4	7.0	1	3.85	30.28	23.24	56.27	54.04
Germany.....	10	6.5	.....	5.98	30.63	23.90	60.51	59.92
Great Britain.....	15	4.1	.....	8.45	48.47	30.00	86.92	91.72
Total .....	29	5.3	1	6.73	37.70	26.22	70.31	71.58
Grand total .....	278	4.9	34	11.45	44.27	38.58	92.59	112.82

## H.—RECAPITULATION OF MEANS OF SUPPORT.

[Two other natural combinations suggest themselves as lacking in this table, namely, "Husband and wife" and "Husband and children," but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of "Husband, wife, and children" consists of "Husband and children."]

State or country.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
Alabama .....	30	7	9	3	.....	5	4	1	1
Pennsylvania.....	187	126	25	14	2	14	4	1	1
Tennessee.....	15	2	6	1	2	1	3	.....	.....
West Virginia.....	17	11	.....	1	1	3	.....	1	.....
Total.....	249	146	40	19	5	23	11	3	2
Belgium.....	4	.....	1	1	2	.....	.....	.....	.....
Germany.....	10	2	3	.....	.....	.....	3	1	1
Great Britain.....	15	a 6	4	5	.....	.....	.....	.....	.....
Total.....	20	a 8	8	6	2	.....	3	1	1
Grand total .....	278	a 154	48	25	7	23	14	4	3

a In three cases expenditure equals income.

TABLE XXI.—IRON ORE: RECAPITULATION OF COST OF LIVING, BY STATES.

## A.—RECAPITULATION OF CONDITION AS TO CHILDREN.

State or country.	Children at work.			Children at school.			Children at home.			Child- dren, condi- tion unkn.	Total child- dren.	Aver- age child- dren per fam- ily.	Fam- ilies with- out child- dren.	Total fam- ilies.
	Fam- ilies.	Child- dren.	Aver- age.	Fam- ilies.	Child- dren.	Aver- age.	Fam- ilies.	Child- dren.	Aver- age.					
New York..	4	5	1.3	12	36	3.0	29	61	2.1	11	113	3.5	6	38
Ohio .....	1	3	3.0	15	38	2.5	22	40	1.8	2	83	3.2	3	29
Pennsylvania..	16	26	1.6	12	20	1.7	54	115	2.1	1	162	2.7	12	73
Tennessee...	3	3	1.0	1	2	2.0	7	21	3.0	1	27	3.9	2	9
Virginia.....	1	2	2.0	-----	-----	-----	10	29	2.9	11	42	3.5	4	16
Total...	25	39	1.6	40	96	2.4	122	266	2.2	26	427	3.1	27	165
Germany...	8	13	1.6	14	36	2.6	15	32	2.1	2	83	4.4	-----	19
Grand total.	33	52	1.6	54	132	2.4	137	298	2.2	28	510	3.2	27	184

## B.—RECAPITULATION OF SOURCES OF INCOME.

State or country.	Families—						Income—					
	Total.	Aver- age size.	With income from—				Per family from—					Per indi- vidual.
			Hus- bands	Wives.	Child- dren.	Board- ers.	Hus- bands.	Wives.	Child- dren.	Board- ers.	Aver- age.	
New York.	38	6.7	38	.....	3	18	\$393.03	.....	\$234.67	\$258.63	\$534.07	\$80.22
Ohio .....	29	5.2	29	.....	1	8	346.15	.....	620.00	87.49	390.63	75.52
Pennsylvania	73	4.3	73	.....	15	30	278.64	.....	153.34	77.99	342.20	78.80
Tennessee	9	5.6	9	.....	3	3	297.78	.....	176.67	108.67	392.89	70.72
Virginia...	16	5.3	16	.....	1	11	319.48	.....	156.00	64.14	383.32	72.15
Total ..	165	5.2	165	.....	23	70	322.82	.....	187.39	124.24	401.65	77.51
Germany ..	19	6.6	19	.....	8	8	254.07	.....	148.54	76.22	348.71	53.00
• Grand total	184	5.3	184	.....	31	78	315.72	.....	177.37	119.31	396.18	74.39

## C.—RECAPITULATION OF EXPENDITURE FOR RENT.

State or country.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families	Rooms per family.		Family.	Indi-vidual.
New York.....	38	6.7	9	27	4.1	2	\$37.80	\$5.55
Ohio.....	29	5.2	8	19	2.6	2	37.61	7.22
Pennsylvania.....	73	4.3	17	52	3.7	4	31.40	7.39
Tennessee.....	9	5.6	1	8	1.9	.....	18.00	3.69
Virginia.....	16	5.3	9	5	3.0	2	32.70	8.18
Total.....	165	5.2	44	111	3.4	10	33.11	6.53
Germany.....	19	6.6	12	7	2.4	.....	31.38	5.78
Grand total.....	184	5.3	56	118	3.4	10	33.01	6.48

TABLE XXI.—IRON ORE: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (1.)

State or country.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
New York..	38	6.7	38	\$34.63	32	\$29.98	20	\$21.60	.....	.....	26	\$3.25	26	\$8.10
Ohio.....	29	5.2	.....	.....	2	18.93	28	59.45	.....	.....	5	6.20	14	10.79
Pennsylvania.	73	4.3	19	23.54	17	25.98	52	59.33	.....	.....	.....	.....	7	7.95
Tennessee..	9	5.6	9	8.44	9	12.33	7	19.00	6	\$5.50	.....	.....	3	2.50
Virginia....	16	5.3	.....	.....	16	30.50	14	12.44	13	2.81	14	.94	15	2.63
Total..	165	5.2	66	27.87	76	26.81	121	45.36	19	3.66	45	2.86	65	7.14
Germany...	19	6.6	.....	.....	7	23.09	19	33.41	.....	.....	.....	.....	12	6.38
Grand total.	184	5.3	66	27.87	83	26.50	140	43.74	19	3.66	45	2.86	77	7.02

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (2.)

State or country.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
New York..	38	6.7	22	\$14.63	38	\$35.17	18	\$2.18	38	\$11.74	29	\$7.82	38	\$21.85
Ohio.....	29	5.2	10	9.22	15	28.13	5	7.72	18	4.41	29	9.56	27	14.03
Pennsylvania.	73	4.3	39	8.02	51	18.34	.....	.....	20	3.85	69	7.68	71	14.34
Tennessee..	9	5.6	1	4.00	6	9.50	3	1.14	1	2.40	9	15.08	8	14.49
Virginia....	16	5.3	10	2.69	15	8.19	9	.69	4	2.58	15	11.37	16	11.78
Total...	165	5.2	82	9.24	125	22.99	35	2.50	81	7.59	151	8.88	160	15.83
Germany...	19	6.6	13	7.64	17	34.41	.....	.....	.....	.....	19	14.76	18	3.28
Grand total.	184	5.3	95	9.02	142	24.36	35	2.50	81	7.59	170	9.53	178	14.56

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (3.)

State or country.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
New York..	38	6.7	23	\$2.79	34	\$7.92	38	\$49.69	20	\$2.97	14	\$1.40	29	\$4.87
Ohio.....	29	5.2	17	2.12	17	8.34	29	33.67	6	3.75	6	2.29	15	6.65
Pennsylvania.	73	4.3	31	6.60	22	8.64	72	32.29	1	11.00	.....	.....	13	7.09
Tennessee..	9	5.6	9	2.89	9	12.28	9	42.54	.....	.....	.....	.....	3	2.67
Virginia....	16	5.3	15	1.65	16	10.06	16	47.20	.....	.....	7	1.43	12	2.97
Total...	165	5.2	95	3.74	98	8.90	164	38.59	27	3.44	27	1.61	72	5.23
Germany...	19	6.6	.....	.....	1	23.80	12	9.08	19	44.37	1	2.38	.....	.....
Grand total.	184	5.3	95	3.74	99	9.05	176	36.57	46	20.34	28	1.63	72	5.23



**TABLE XXI.—IRON ORE: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.****D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (4.)**

State or country.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
New York..	38	6.7	34	\$12.13	34	\$4.62	.....	.....	37	\$16.97	\$259.03	\$38.91
Ohio .....	29	5.2	18	7.39	18	6.37	24	\$1.25	28	9.35	172.50	33.35
Pennsylvania..	73	4.3	56	9.07	6	8.28	.....	.....	73	16.68	157.55	36.28
Tennessee...	9	5.6	9	8.43	9	3.29	.....	.....	8	20.25	163.76	29.48
Virginia.....	16	5.3	12	2.60	13	5.12	16	2.34	16	7.06	156.93	29.54
Total ...	165	5.2	129	9.00	80	5.22	40	1.69	162	14.71	183.83	35.48
Germany ...	19	6.6	16	14.20	14	2.55	3	2.41	19	9.07	174.60	26.54
Grand total.	184	5.3	145	9.57	94	4.82	43	1.74	181	14.12	182.88	34.34

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

State or country.	Families.		Fuel.		Lighting.		Clothing.					
							Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
New York..	38	6.7	38	\$56.17	38	\$3.03	38	\$38.61	37	\$16.54	31	\$46.06
Ohio .....	29	5.2	13	14.31	29	2.68	29	30.69	29	18.07	26	41.42
Pennsylvania..	73	4.3	70	15.13	73	3.01	73	25.63	72	15.56	61	33.88
Tennessee...	9	5.6	9	12.36	9	4.42	9	21.11	9	12.33	7	47.14
Virginia.....	16	5.3	16	18.41	15	4.87	16	32.35	16	21.76	12	28.71
Total ...	165	5.2	146	25.93	164	3.20	165	29.91	163	16.66	137	38.30
Germany ...	19	6.6	19	11.39	19	3.68	19	18.61	19	10.41	19	36.33
Grand total	184	5.3	165	24.25	183	3.25	184	28.74	182	16.01	156	38.06

**E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

State or country.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
New York..	38	6.7	11	\$3.11	6	\$2.23	1	\$7.20	.....	.....	13	\$5.96
Ohio .....	29	5.2	12	3.61	2	3.15	.....	.....	.....	.....	1	20.00
Pennsylvania..	73	4.3	64	3.48	15	1.83	2	15.50	.....	.....	14	5.88
Tennessee...	9	5.6	8	4.09	.....	.....	.....	.....	.....	.....	.....	.....
Virginia.....	16	5.3	13	2.32	1	.60	1	10.00	.....	.....	2	3.10
Total ...	165	5.2	108	3.36	24	1.99	4	12.05	....	.....	30	6.20
Germany ...	19	6.6	19	4.54	13	2.70	19	7.11	3	\$1.52	4	..38
Grand total.	184	5.3	127	5.54	37	2.24	23	7.97	3	1.52	34	5.64

**TABLE XXI.—IRON ORE: RECAPITULATION OF COST OF LIVING, BY STATES—Continued.****E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

State or country.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
New York..	38	6.7	24	\$8.52	3	\$1.33	38	\$16.29	20	\$3.20	10	\$5.90
Ohio.....	29	5.2	8	2.19	5	2.50	15	36.93	22	3.99	2	100.80
Pennsylvania..	73	4.3	54	2.15	5	2.50	62	19.29	47	4.00	10	6.10
Tennessee...	9	5.6	6	3.17	0	1.00	8	17.60	2	1.50	6	3.25
Virginia....	16	5.3	13	5.05	7	1.00	15	21.75	12	3.23	16	6.87
Total...	165	5.2	105	4.03	26	1.62	133	20.55	103	3.71	44	10.25
Germany...	19	6.6	19	1.48	15	.64	19	12.86	16	2.41	5	3.00
Grand total.	184	5.3	124	3.64	41	1.26	157	19.62	119	3.54	49	9.51

**E.—RECAPITULATION OF EXPENDITURES OTHER THAN FOR RENT AND FOOD. (4.)**

State or country.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
New York..	38	6.7	4	\$17.00	37	\$7.66	33	\$15.49	34	\$26.03	\$228.01	\$34.25
Ohio.....	29	5.2	10	4.05	25	8.95	21	12.60	29	32.84	178.58	34.53
Pennsylvania..	73	4.3	32	9.70	59	10.36	66	22.24	59	21.72	163.64	37.68
Tennessee...	9	5.6	6	4.50	7	14.83	9	16.78	9	26.00	168.76	30.38
Virginia....	16	5.3	14	8.57	13	13.14	16	17.20	16	23.14	199.32	37.52
Total...	165	5.2	66	8.53	141	9.88	150	18.32	147	25.87	184.83	35.67
Germany...	19	6.6	17	7.53	18	4.01	18	13.87	19	43.08	178.83	27.19
Grand total.	184	5.3	83	8.36	159	9.21	168	17.84	166	27.84	184.21	34.59

**F.—RECAPITULATION OF CONTRASTED FAMILY INCOME AND EXPENDITURE.**

State or country.	Families.		Own house	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Aver- age size.		Rent.	Food.	All pur- poses.	Allpur- poses.	Hus- bands.	All sources	Surplus.		Deficit.	
										Fam- ilies.	Aver- age.	Fam- ilies.	Aver- age.
New York.	38	6.7	9	\$37.80	\$259.03	\$228.01	\$513.90	\$393.03	\$534.07	21	\$97.32	17	\$75.13
Ohio.....	29	5.2	8	37.61	172.50	178.58	375.73	346.15	390.63	17	52.80	12	38.79
Pennsylvania..	73	4.3	17	31.40	157.55	163.64	343.56	278.64	342.20	29	48.85	44	34.45
Tennessee...	9	5.6	1	18.00	163.76	168.76	348.52	297.78	392.89	8	52.20	1	18.27
Virginia....	16	5.3	9	32.70	156.93	199.32	360.47	329.48	383.32	8	49.25	8	15.55
Total..	165	5.2	44	33.11	183.83	184.83	390.93	322.82	401.65	83	62.28	82	41.48
Germany..	19	6.6	12	31.38	174.60	178.85	365.01	254.07	348.71	8	31.80	11	51.35
Grand total	184	5.3	56	33.01	182.88	184.21	388.26	315.72	396.18	91	59.61	93	42.64

**TABLE XXI.—IRON ORE: RECAPITULATION OF COST OF LIVING, BY STATES—Concluded.****G.—RECAPITULATION OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

State or country.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
New York.....	33	6.7	9	\$5.55	\$38.91	\$34.25	\$77.19	\$80.22
Ohio.....	29	5.2	8	7.22	33.35	34.53	72.64	75.52
Pennsylvania.....	73	4.3	17	7.39	36.28	37.68	79.12	78.80
Tennessee.....	9	5.6	1	3.69	29.48	30.98	62.73	70.72
Virginia.....	16	5.3	9	8.18	29.54	37.52	68.98	72.15
Total.....	165	5.2	44	6.53	35.48	35.67	75.44	77.51
Germany.....	19	6.6	12	5.78	26.54	27.19	55.48	53.00
Grand total.....	184	5.3	56	6.48	34.34	34.59	72.90	74.99

**H.—RECAPITULATION OF MEANS OF SUPPORT.**

[Two other natural combinations suggest themselves as lacking in this table, namely, "Husband and wife" and "Husband and children," but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report, are, from recollection, considered as hardly 40, so that practically the column of "Husband, wife, and children" consists of "Husband and children."]

State or country.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
New York.....	38	8	10	.....	2	12	5	1	.....
Ohio.....	29	9	11	1	.....	7	1	.....	4
Pennsylvania.....	73	13	21	7	13	8	6	1	.....
Tennessee.....	9	4	.....	2	.....	1	1	1	.....
Virginia.....	16	2	2	1	1	5	5	.....	.....
Total.....	165	36	44	11	16	33	18	3	4
Germany.....	19	2	5	2	3	2	2	2	1
Grand total.....	184	38	49	13	19	35	20	5	5



**TABLE XXII.—PIG IRON: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES.****A.—SUMMARY OF CONDITION AS TO CHILDREN.**

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Fam-ilies.	Chil-dren.	Aver-age.	Fam-ilies.	Chil-dren.	Aver-age.	Fam-ilies.	Chil-dren.	Aver-age.					
<i>United States</i>														
American...	53	76	1.4	187	370	2.0	313	584	1.9	87	1,117	2.9	89	476
Austrian...							3	4	1.3		4	1.3		3
Bohemian...	2	2	1.0	5	10	2.0	8	17	2.1		29	3.2	2	11
Canadian...	1	1	1.0	2	5	2.5	2	4	2.0		10	5.0		2
English...	6	8	1.3	16	39	2.4	28	54	1.9	8	109	3.5	6	37
Fr. Canadian				1	2	2.0	2	6	3.0	4	12	6.0		2
German...	12	17	1.4	51	102	2.0	65	128	2.0	9	256	3.3	9	87
Hungarian...				1	1	1.0	2	4	2.0		5	2.5	1	3
Irish...	28	36	1.3	69	172	2.5	95	188	2.0	5	401	3.7	15	124
Italian...				1	1	1.0	1	1	1.0		2	2.0		1
Polish...													1	1
Scotch...				5	16	3.2	7	11	1.6	3	30	3.8	3	11
Swedish...				1	3	3.0	1	1	1.0		4	4.0		1
Welsh...				1	1	1.0	1	2	2.0	4	7	2.3		3
Total...	102	140	1.4	340	722	2.1	528	1,004	1.9	120	1,986	3.1	126	762
<i>Europe.</i>														
Belgian...	8	18	2.3	5	10	2.0	5	8	1.6	5	41	4.6	2	11
English...	2	2	1.0	12	27	2.3	14	17	1.2	1	47	2.5	2	21
Irish...	2	3	1.5	4	10	2.5	5	5	1.0		18	3.0		6
Scotch...	7	15	2.1	14	31	2.2	13	16	1.2	8	70	3.3		21
Welsh...	5	10	2.0	10	23	2.3	11	14	1.3		47	3.1	2	17
Total...	24	48	2.0	45	101	2.2	48	60	1.3	14	223	3.2	6	76
Grand total.	126	188	1.5	385	823	2.1	576	1,064	1.8	134	2,209	3.1	132	838

**B.—SUMMARY OF SOURCES OF INCOME.**

Nationality of husband.	Families—						Income—					
	Total.	Aver- age size.	With income from—				Per family from—					Per indi- vidual.
			Hus- bands.	Wives.	Chil- dren.	Board- ers, etc.	Hus- bands.	Wives.	Chil- dren.	Board- ers, etc.	Aver- age.	
<i>United States</i>												
American...	476	4.8	476	7	50	166	\$503.13	\$149.14	\$255.06	\$111.16	\$570.88	\$118.77
Austrian...	3	4.7	3			2	355.00			36.00	379.00	81.21
Bohemian...	11	4.6	11		2	1	485.04		140.00	160.00	525.04	113.24
Canadian...	2	7.5	2		1	1	704.15		120.00	240.00	884.15	117.89
English...	37	5.3	37		6	11	540.11		302.84	136.18	629.70	118.87
Fr. Canad'n	2	9.0	2			1	593.23			240.00	713.23	79.25
German...	87	5.1	87		12	23	547.31		163.17	136.30	605.85	118.71
Hungarian...	3	8.7	3			3	328.33			221.00	549.33	63.38
Irish...	124	5.6	124		28	46	518.01		265.33	192.59	649.37	116.03
Italian...	1	4.0	1				509.00				509.00	127.25
Polish...	1	6.0	1			1	360.00			144.00	504.00	84.00
Scotch...	11	5.8	11			3	592.00			213.00	650.09	111.73
Swedish...	1	6.0	1				505.40				505.40	84.23
Welsh...	3	4.3	3				704.86				704.86	162.66
Total..	762	5.0	762	7	99	258	513.52	149.14	246.04	132.18	591.61	117.43
<i>Europe.</i>												
Belgian.....	11	5.8	11		8		203.41		235.29		374.53	64.37
English.....	21	4.3	21		2	2	417.49		170.33	118.26	444.97	102.69
Irish.....	6	5.0	6		2		390.62		182.50		451.45	90.29
Scotch.....	21	5.3	21		7	14	380.98		310.77	48.67	517.01	96.94
Welsh.....	17	4.9	17		5	2	309.39		264.74	100.98	399.13	81.75
Total...	76	5.0	76		24	18	350.11		253.63	62.21	444.94	88.99
Grand total..	838	5.0	838	7	123	276	498.70	149.14	247.52	127.61	578.31	114.87

TABLE XXII.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## C.—SUMMARY OF EXPENDITURE FOR RENT.

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>United States.</i>								
American.....	476	4.8	83	376	2.6	17	\$64.32	\$13.56
Austrian.....	3	4.7	.....	3	3.3	.....	50.67	10.86
Bohemian.....	11	4.6	4	.....	.....	7	56.57	13.66
Canadian.....	2	7.5	.....	2	3.5	.....	78.00	10.40
English.....	37	5.3	10	24	4.5	3	65.44	12.99
French Canadian.....	2	9.0	.....	2	3.5	.....	84.00	9.33
German.....	87	5.1	53	28	3.7	6	82.09	17.37
Hungarian.....	3	8.7	.....	3	4.0	.....	60.00	6.92
Irish.....	124	5.6	39	80	4.8	5	62.25	12.14
Italian.....	1	4.0	.....	1	5.0	.....	72.00	18.00
Polish.....	1	6.0	.....	1	4.0	.....	48.00	8.00
Scotch.....	11	5.8	.....	10	4.9	1	64.36	11.06
Swedish.....	1	6.0	.....	.....	.....	1	60.00	10.00
Welsh.....	3	4.3	.....	3	4.7	.....	68.00	15.69
Total.....	762	5.0	189	533	3.9	40	65.02	13.34
<i>Europe.</i>								
Belgian.....	11	5.8	.....	11	4.5	.....	31.72	5.45
English.....	21	4.3	.....	21	3.5	.....	40.12	9.26
Irish.....	6	5.0	.....	5	4.2	1	39.80	7.96
Scotch.....	21	5.3	.....	5	2.8	16	46.81	8.78
Welsh.....	17	4.9	.....	17	4.7	.....	29.49	6.04
Total.....	76	5.0	.....	59	4.0	17	38.35	7.67
Grand total.....	838	5.0	189	592	3.9	57	61.87	12.66

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	476	4.8	183	\$19.54	360	\$23.53	378	\$36.75	205	\$4.39	188	\$3.92	360	\$6.81
Austrian...	3	4.7	2	50.00	1	42.80	2	48.50	.....	.....	.....	.....	1	3.00
Bohemian...	11	4.6	.....	.....	.....	.....	9	107.67	.....	.....	.....	.....	9	6.32
Canadian...	2	7.5	1	18.00	1	20.00	1	25.00	.....	.....	1	.90	1	4.50
English.....	37	5.3	9	29.44	21	19.28	35	51.46	13	3.64	20	4.65	30	10.14
Fr Canadian	2	9.0	1	50.00	1	12.00	2	116.00	.....	.....	1	2.00	.....	.....
German.....	87	5.1	8	48.75	20	30.05	72	68.44	5	6.60	18	3.69	40	10.17
Hungarian...	3	8.7	3	39.33	1	30.00	3	20.67	.....	.....	2	2.90	1	7.20
Irish.....	124	5.6	29	40.03	71	26.46	115	59.97	42	4.29	86	5.78	91	10.18
Italian.....	1	4.0	.....	.....	.....	.....	1	50.00	.....	.....	1	12.00	1	5.04
Polish.....	1	6.0	1	30.00	1	2.80	1	26.00	.....	.....	.....	.....	1	3.00
Scotch.....	11	5.8	4	67.50	5	20.76	11	68.79	1	1.00	5	6.44	11	10.56
Swedish.....	1	6.0	.....	.....	.....	.....	1	112.50	.....	.....	.....	.....	1	12.00
Welsh.....	3	4.3	2	25.00	2	19.75	2	37.50	1	7.00	.....	.....	2	2.45
Total....	762	5.0	243	24.81	484	23.98	633	47.26	267	4.38	322	4.48	549	7.84
<i>Europe.</i>														
Belgian.....	11	5.8	.....	.....	.....	.....	11	32.53	.....	.....	.....	.....	8	6.09
English.....	21	4.3	.....	.....	17	16.58	21	48.00	.....	.....	8	9.23	10	7.91
Irish.....	6	5.0	.....	.....	4	16.87	6	63.27	.....	.....	2	12.66	2	8.76
Scotch.....	21	5.3	.....	.....	21	18.93	21	88.57	.....	.....	16	13.77	19	14.43
Welsh.....	17	4.9	.....	.....	1	18.98	17	56.94	.....	.....	.....	.....	1	12.65
Total....	76	5.0	.....	.....	43	17.81	76	60.18	.....	.....	26	12.29	40	10.80
Grand total.	838	5.0	243	24.81	527	23.47	709	48.65	267	4.38	348	5.07	589	8.04

TABLE XXII.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)**

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	476	4.8	261	\$12.39	404	\$20.11	202	\$2.55	298	\$6.43	416	\$11.26	437	\$18.45
Austrian...	3	4.7	2	12.00	3	10.53	1	3.50	-----	-----	2	9.50	3	12.50
Bohemian...	11	4.6	8	6.23	7	12.86	2	5.00	6	3.17	9	7.17	9	13.94
Canadian...	2	7.5	1	9.00	1	21.00	1	4.00	1	3.00	1	22.50	1	25.00
English...	37	5.3	28	11.07	33	27.31	23	4.25	34	12.30	28	8.88	36	22.18
Fr. Canadian	2	9.0	-----	-----	2	54.63	1	3.00	2	18.00	1	10.08	2	28.40
German...	87	5.1	59	13.52	62	26.20	19	3.46	42	5.66	70	12.19	71	14.95
Hungarian...	3	8.7	2	18.00	3	26.67	1	3.00	1	12.00	3	21.17	3	13.93
Irish...	124	5.6	92	14.18	106	29.35	74	2.61	112	14.43	79	8.79	117	24.39
Italian...	1	4.0	1	6.60	1	6.00	1	3.80	1	15.00	1	6.50	1	17.44
Polish...	1	6.0	1	24.00	1	22.00	-----	-----	-----	-----	1	25.00	1	12.00
Scotch...	11	5.8	9	14.60	11	33.34	7	4.51	10	13.35	9	8.38	10	18.88
Swedish...	1	6.0	1	9.00	1	22.88	-----	-----	1	3.00	1	9.20	1	10.50
Welsh...	3	4.3	3	17.42	3	23.17	1	5.76	3	8.33	3	9.34	3	26.40
Total...	762	5.0	463	12.80	638	22.85	333	2.81	511	8.68	624	10.90	695	19.24
<i>Europe.</i>														
Belgian...	11	5.8	7	19.29	11	38.89	6	6.24	-----	-----	11	23.20	7	3.04
English...	21	4.3	18	13.37	19	24.51	-----	-----	21	10.72	5	3.50	20	4.95
Irish...	6	5.0	5	12.23	6	28.48	-----	-----	6	13.64	1	3.65	6	7.58
Scotch...	21	5.3	21	20.24	20	32.32	-----	-----	21	16.25	14	5.91	21	8.95
Welsh...	17	4.9	17	7.01	17	29.50	-----	-----	17	15.50	-----	-----	17	7.10
Total...	76	5.0	68	14.43	73	30.31	6	6.24	65	14.03	31	11.58	71	6.68
Grand total.	838	5.0	536	13.00	711	23.62	339	2.87	576	9.28	655	10.94	766	18.07

**D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)**

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	476	4.8	301	\$3.51	391	\$10.13	444	\$35.38	165	\$4.34	164	\$2.23	322	\$9.99
Austrian...	3	4.7	2	.90	2	3.58	3	19.00	2	5.54	1	8.00	-----	-----
Bohemian...	11	4.6	1	4.00	-----	-----	9	22.67	-----	-----	-----	-----	9	3.17
Canadian...	2	7.5	1	1.00	1	14.00	1	43.30	1	3.00	-----	-----	-----	-----
English...	37	5.3	24	3.01	24	6.60	36	36.69	20	2.99	18	2.07	31	9.27
Fr. Canadian	2	9.0	1	.80	2	14.00	2	60.00	1	3.00	-----	-----	1	30.00
German...	87	5.1	44	3.28	29	7.90	72	33.08	17	4.03	10	1.23	60	6.95
Hungarian...	3	8.7	-----	-----	1	7.20	3	27.33	1	.90	-----	-----	2	1.10
Irish...	124	5.6	53	2.78	81	6.66	117	43.34	65	5.26	55	2.68	101	10.18
Italian...	1	4.0	1	1.80	1	4.00	1	14.60	1	1.20	-----	-----	1	2.60
Polish...	1	6.0	-----	-----	1	2.00	1	18.00	1	9.08	-----	-----	-----	-----
Scotch...	11	5.8	4	1.95	9	8.12	11	38.66	5	4.46	3	2.40	9	9.19
Swedish...	1	6.0	-----	-----	-----	-----	1	35.10	-----	-----	-----	-----	1	8.25
Welsh...	3	4.3	1	1.50	3	10.44	3	35.67	-----	-----	-----	-----	2	8.50
Total...	762	5.0	433	3.32	545	9.28	704	36.35	279	4.43	251	2.30	539	9.50
<i>Europe.</i>														
Belgian...	11	5.8	-----	-----	-----	-----	9	49.25	2	47.67	-----	-----	-----	-----
English...	21	4.3	-----	-----	-----	-----	19	14.94	7	17.73	-----	-----	-----	-----
Irish...	6	5.0	-----	-----	1	3.16	6	26.48	3	14.76	-----	-----	-----	-----
Scotch...	21	5.3	-----	-----	-----	-----	21	23.71	5	22.19	-----	-----	2	9.49
Welsh...	17	4.9	-----	-----	1	6.33	8	40.84	10	31.95	-----	-----	-----	-----
Total...	76	5.0	-----	-----	2	4.75	63	27.15	27	25.71	-----	-----	2	9.49
Grand total.	838	5.0	433	3.32	547	9.26	767	35.59	306	6.31	251	2.30	541	9.50



**TABLE XXII.—PIG IRON: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.****D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>United States</i>												
American...	476	4.8	399	\$8.05	394	\$5.44	195	\$4.29	475	\$34.88	\$219.23	\$45.61
Austrian...	3	4.7	3	13.77	3	2.75	.....	.....	3	8.67	173.00	37.07
Bohemian...	11	4.6	9	14.00	9	4.50	.....	.....	11	71.35	233.88	50.44
Canadian...	2	7.5	1	5.00	.....	.....	.....	.....	2	345.00	454.60	60.61
English.....	37	5.3	30	7.96	32	5.58	19	4.07	37	27.82	247.29	46.68
Fr. Canadian	2	9.0	2	19.00	2	12.75	.....	.....	2	12.50	390.72	43.41
German.....	87	5.1	62	11.00	36	7.53	24	1.73	86	63.76	239.04	46.84
Hungarian...	3	8.7	3	7.80	2	4.70	.....	.....	3	11.67	205.87	23.75
Irish.....	124	5.6	96	10.64	98	5.61	60	4.24	124	39.09	284.38	50.81
Italian.....	1	4.0	1	6.40	1	7.97	.....	.....	1	52.00	212.95	53.24
Polish.....	1	6.0	1	16.00	1	2.35	.....	.....	1	10.00	196.23	32.71
Scotch.....	11	5.8	10	11.10	10	6.02	3	4.43	11	24.15	297.79	51.18
Swedish....	1	6.0	1	11.00	.....	.....	.....	.....	1	24.00	257.43	42.91
Welsh.....	3	4.3	2	6.63	3	4.37	.....	.....	3	17.00	223.43	51.56
<b>Total...</b>	<b>762</b>	<b>5.0</b>	<b>620</b>	<b>8.95</b>	<b>501</b>	<b>5.60</b>	<b>301</b>	<b>4.06</b>	<b>760</b>	<b>39.33</b>	<b>235.66</b>	<b>46.78</b>
<i>Europe.</i>												
Belgian.....	11	5.8	.....	.....	4	9.84	6	1.06	.....	.....	169.79	29.18
English.....	21	4.3	21	6.32	18	5.54	.....	.....	21	22.58	171.67	39.62
Irish.....	6	5.0	6	10.57	5	7.71	.....	.....	6	22.58	216.11	43.22
Scotch.....	21	5.3	21	8.08	20	11.89	.....	.....	21	40.83	302.24	56.67
Welsh.....	17	4.9	17	12.92	5	3.48	.....	.....	17	17.79	188.04	38.51
<b>Total...</b>	<b>76</b>	<b>5.0</b>	<b>65</b>	<b>9.29</b>	<b>52</b>	<b>8.33</b>	<b>6</b>	<b>1.06</b>	<b>65</b>	<b>27.23</b>	<b>214.65</b>	<b>42.93</b>
<b>Grand total.</b>	<b>838</b>	<b>5.0</b>	<b>685</b>	<b>8.98</b>	<b>643</b>	<b>5.82</b>	<b>307</b>	<b>4.00</b>	<b>825</b>	<b>38.38</b>	<b>233.76</b>	<b>46.43</b>

**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
							Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	476	4.8	470	\$24.40	474	\$4.31	476	\$36.76	473	\$25.21	385	\$44.30
Austrian...	3	4.7	3	21.67	3	2.27	3	28.67	3	12.33	3	0.67
Bohemian...	11	4.6	11	30.36	10	8.51	11	47.77	11	28.27	9	41.44
Canadian...	2	7.5	2	39.00	2	7.60	2	42.50	2	45.00	2	72.50
English.....	37	5.3	37	31.75	37	3.74	37	36.88	37	19.67	31	55.30
Fr. Canadian	2	9.0	2	60.00	2	4.40	2	27.50	2	15.00	2	95.00
German.....	87	5.1	86	29.42	86	2.05	86	38.66	84	26.67	77	55.45
Hungarian...	3	8.7	3	30.33	3	3.20	3	35.67	3	17.00	2	33.00
Irish.....	124	5.6	124	33.54	124	3.47	124	38.86	116	25.27	107	63.15
Italian.....	1	4.0	1	21.00	1	7.50	1	12.00	1	12.00	1	20.00
Polish.....	1	6.0	1	16.50	1	3.00	1	30.00	1	12.00	.....	.....
Scotch.....	11	5.8	11	37.59	11	4.94	11	32.09	11	21.11	8	64.75
Swedish....	1	6.0	1	36.00	1	2.88	1	33.00	1	20.00	1	80.00
Welsh.....	3	4.3	3	26.33	3	3.20	3	31.67	3	18.67	3	48.33
<b>Total...</b>	<b>762</b>	<b>5.0</b>	<b>755</b>	<b>27.26</b>	<b>758</b>	<b>3.98</b>	<b>761</b>	<b>37.30</b>	<b>748</b>	<b>24.97</b>	<b>631</b>	<b>49.70</b>
<i>Europe.</i>												
Belgian.....	11	5.8	11	16.74	11	4.55	11	26.67	11	11.58	9	64.33
English.....	21	4.3	21	23.98	21	6.43	21	33.83	21	31.28	15	33.09
Irish.....	6	5.0	6	20.68	6	6.21	6	25.95	6	23.12	5	40.39
Scotch.....	21	5.3	21	13.62	21	5.10	21	18.31	21	18.54	21	43.45
Welsh.....	17	4.9	17	25.62	17	5.58	17	18.90	17	18.18	15	27.09
<b>Total...</b>	<b>76</b>	<b>5.0</b>	<b>76</b>	<b>20.18</b>	<b>76</b>	<b>5.58</b>	<b>76</b>	<b>24.54</b>	<b>76</b>	<b>21.33</b>	<b>65</b>	<b>39.94</b>
<b>Grand total.</b>	<b>838</b>	<b>5.0</b>	<b>831</b>	<b>26.62</b>	<b>834</b>	<b>4.13</b>	<b>837</b>	<b>36.14</b>	<b>824</b>	<b>24.63</b>	<b>696</b>	<b>48.79</b>

TABLE XXII.—**PIG IRON:** SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
	Total.	Average size.	Families.	Average cost.	Property.		Life.		Labor.		Other.	
					Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American ..	476	4.8	401	\$4.41	41	\$5.42	63	\$17.20	49	\$7.40	130	\$10.18
Austrian ..	3	4.7										
Bohemian ..	11	4.6	4	8.65	4	10.33	1	6.00	1	13.00		
Canadian ..	2	7.5	1	4.50								
English ..	37	5.3	24	5.90	5	12.63	5	21.57	5	8.38	8	7.15
Fr. Canadian	2	9.0	1	2.00								
German ..	87	5.1	66	10.10	51	4.41	26	17.59	18	6.83	12	13.45
Hungarian ..	3	8.7	2	1.00								
Irish ..	124	5.6	86	7.66	23	7.24	20	20.00	6	5.53	16	8.96
Italian ..	1	4.0							1	7.00	1	12.00
Polish ..	1	6.0										
Scotch ..	11	5.8	5	4.33			1	12.00	1	7.00	5	11.64
Swedish ..	1	6.0					1	15.00				
Welsh ..	3	4.3	2	3.25			1	57.20			1	6.00
Total ...	762	5.0	592	5.59	124	5.79	118	18.13	81	7.26	173	10.18
<i>Europe.</i>												
Belgian ..	11	5.8	11	.56					2	3.67	4	6.63
English ..	21	4.3					17	12.85	2	6.33	21	10.83
Irish ..	6	5.0	1	1.95			3	11.60	2	4.39	5	7.85
Scotch ..	21	5.3	20	1.76					9	2.70	1	7.30
Welsh ..	17	4.9					1	3.16	1	6.33	11	10.01
Total ...	76	5.0	32	1.35			21	12.21	16	3.71	42	9.78
Grand total.	838	5.0	624	5.37	124	5.79	139	17.23	97	6.67	215	10.11

**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	476	4.8	355	\$5.55	392	\$2.64	444	\$27.13	370	\$5.56	294	\$11.87
Austrian ..	3	4.7	1	6.50			3	4.00	1	3.00		
Bohemian ..	11	4.6			9	1.94	10	20.00	9	5.56	10	15.60
Canadian ..	2	7.5	2	7.50	1	2.00	2	32.50	1	24.00	1	16.00
English ..	37	5.3	26	11.54	27	3.22	36	26.93	33	5.69	17	9.72
Fr. Canadian	2	9.0	1	6.00	1	5.00	2	9.50				
German ..	87	5.1	61	10.77	41	2.98	59	17.58	79	5.44	26	7.90
Hungarian ..	3	8.7					2	31.00			1	2.40
Irish ..	124	5.6	114	12.14	79	3.16	117	20.86	98	6.22	34	8.05
Italian ..	1	4.0					1	5.00	1	4.00		
Polish ..	1	6.0					1	2.00				
Scotch ..	11	5.8	8	7.25	6	3.38	10	42.95	9	5.93	3	15.00
Swedish ..	1	6.0	1	20.00					1	10.00		
Welsh ..	3	4.3	1	5.60	1	2.00	3	17.67	2	7.83		
Total ...	762	5.0	570	7.76	557	2.76	690	25.13	604	5.70	386	11.28
<i>Europe.</i>												
Belgian ..	11	5.8	3	1.24	1	2.01	3	2.57	2	2.51	6	38.54
English ..	21	4.3	8	3.96	10	2.55	15	9.25	20	6.09	20	26.28
Irish ..	6	5.0	4	10.53			4	7.30	6	3.15	6	17.03
Scotch ..	21	5.3	16	1.98	3	2.43	20	5.59	20	4.99	19	12.68
Welsh ..	17	4.9	8	9.34			1	1.46	12	4.60	8	17.64
Total ...	76	5.0	44	4.32	14	2.49	43	6.72	60	5.01	59	21.03
Grand total.	838	5.0	614	7.51	571	2.76	733	24.05	664	5.64	445	12.57

TABLE XXII.—**PIG IRON**: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

(E).—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>United States</i>												
American...	476	4.8	298	\$13.62	419	\$12.82	463	\$20.72	450	\$34.79	\$252.14	\$52.46
Austrian...	3	4.7	2	33.00	2	8.00	3	23.33	3	12.67	145.10	31.09
Bohemian...	11	4.6	11	22.73	11	3.82	11	16.27	11	9.75	243.21	52.46
Canadian...	2	7.5	2	31.00	2	14.20	2	50.00	2	47.50	412.55	55.01
English...	37	5.3	27	27.43	33	10.10	35	19.49	37	50.42	293.61	55.43
Fr.Canadian	2	9.0	.....	.....	2	6.40	2	20.50	2	15.50	260.30	28.92
German...	87	5.1	54	27.85	68	9.13	80	23.84	83	34.07	270.84	53.07
Hungarian...	3	8.7	2	42.00	3	6.80	3	5.00	3	14.00	184.13	21.25
Irish...	124	5.6	83	19.46	109	9.55	111	20.28	122	46.42	290.54	51.91
Italian...	1	4.0	.....	.....	1	15.00	1	5.00	1	20.00	140.50	35.13
Polish...	1	6.0	1	60.00	1	6.00	1	4.00	1	10.00	143.50	23.92
Scotch...	11	5.8	5	8.00	10	8.11	11	18.82	11	27.65	264.40	45.44
Swedish...	1	6.0	.....	.....	1	6.00	1	30.00	1	8.75	261.63	43.61
Welsh...	3	4.3	2	47.50	3	8.87	3	26.00	3	18.33	261.52	60.35
<b>Total...</b>	<b>762</b>	<b>5.0</b>	<b>487</b>	<b>17.61</b>	<b>665</b>	<b>11.46</b>	<b>727</b>	<b>20.86</b>	<b>730</b>	<b>36.61</b>	<b>262.10</b>	<b>52.02</b>
<i>Europe.</i>												
Belgian...	11	5.8	7	9.65	9	5.54	7	25.50	8	6.85	171.00	29.39
English...	21	4.3	16	18.71	17	15.23	21	5.98	2	10.47	214.76	49.56
Irish...	6	5.0	5	14.99	3	12.65	6	4.33	.....	.....	178.95	35.79
Scotch...	21	5.3	8	31.02	6	18.66	19	4.43	.....	.....	146.80	27.52
Welsh...	17	4.9	10	23.00	8	18.41	17	3.04	6	38.21	153.97	31.54
<b>Total...</b>	<b>76</b>	<b>5.0</b>	<b>46</b>	<b>20.00</b>	<b>43</b>	<b>14.11</b>	<b>70</b>	<b>6.67</b>	<b>16</b>	<b>19.06</b>	<b>173.22</b>	<b>34.64</b>
<b>Grand total.</b>	<b>838</b>	<b>5.0</b>	<b>533</b>	<b>17.82</b>	<b>708</b>	<b>11.62</b>	<b>797</b>	<b>19.61</b>	<b>746</b>	<b>36.23</b>	<b>254.04</b>	<b>50.46</b>

(F).—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.		Deficit.	
										Families.	Average.	Families.	Average.
<i>United States</i>													
American ..	476	4.8	83	\$64.32	\$219.23	\$252.14	\$523.93	\$503.13	\$570.88	320	\$97.27	155	\$56.64
Austrian ..	3	4.7	.....	50.67	173.00	145.10	368.77	355.00	379.00	2	50.47	1	70.23
Bohemian ..	11	4.6	4	56.57	233.88	243.21	513.09	485.04	525.04	8	53.35	3	98.45
Canadian ..	2	7.5	.....	78.00	454.60	412.55	945.15	704.15	834.15	1	53.30	1	177.30
English ..	37	5.3	10	65.44	247.29	293.61	588.66	540.11	629.70	20	119.75	16	54.78
Fr.Canadian	2	9.0	.....	84.00	390.72	260.30	735.02	593.23	713.23	1	.....	1	43.70
German ..	87	5.1	53	82.09	239.04	270.84	541.02	547.31	605.85	63	124.13	24	90.83
Hungarian ..	3	8.7	.....	60.00	205.37	184.13	450.00	328.33	549.33	3	99.33	.....	.....
Irish .....	124	5.6	39	62.25	284.38	290.54	617.59	518.01	649.37	80	87.86	44	70.19
Italian .....	1	4.0	.....	72.00	212.95	140.50	425.45	509.00	509.00	1	83.55	.....	.....
Polish .....	1	6.0	.....	48.00	196.23	143.50	387.73	360.00	504.00	1	116.27	.....	.....
Scotch .....	11	5.8	.....	61.36	297.79	264.40	626.55	592.00	650.09	8	99.78	3	179.73
Swedish .....	1	6.0	.....	60.00	257.43	261.63	579.06	505.40	505.40	.....	.....	1	73.66
Welsh .....	3	4.3	.....	68.00	223.43	261.52	552.95	704.86	704.86	3	151.92	.....	.....
Total...	762	5.0	189	65.02	235.66	262.10	546.23	513.52	591.01	511	99.23	249	64.75
<i>Europe.</i>													
Belgian ....	11	5.8	.....	31.72	169.79	171.00	372.51	203.41	374.53	6	22.24	5	22.24
English .....	21	4.3	.....	40.12	171.67	214.76	426.55	417.49	444.97	10	38.68	.....	.....
Irish .....	6	5.0	.....	39.80	216.11	178.95	434.86	390.62	451.45	4	24.90	.....	.....
Scotch .....	21	5.3	.....	46.81	302.24	146.80	495.85	380.98	517.01	8	55.91	1	2.87
Welsh .....	17	4.9	.....	29.49	188.04	153.97	371.50	309.39	399.13	8	59.61	1	7.07
Total...	76	5.0	.....	38.35	214.65	173.22	426.22	350.11	444.94	36	42.89	7	17.30
Grand total.	838	5.0	189	61.87	233.76	254.04	535.34	498.70	578.31	547	95.52	256	63.45



TABLE XXII.—**PIG IRON:** SUMMARY OF COST OF LIVING, FOR ALL STATES COMBINED, BY NATIONALITIES—Concluded.**G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>United States.</i>								
American.....	476	4.8	83	\$13.56	\$45.61	\$52.46	\$109.00	\$118.77
Austrian.....	3	4.7	.....	10.86	37.07	31.09	79.02	81.21
Bohemian.....	11	4.6	4	13.66	50.44	52.46	110.67	113.24
Canadian.....	2	7.5	.....	10.40	60.61	55.01	126.02	117.89
English.....	37	5.3	10	12.99	46.68	55.43	111.13	118.87
French Canadian.....	2	9.0	.....	9.33	43.41	28.92	81.66	79.25
German.....	87	5.1	53	17.37	46.84	53.07	106.01	118.71
Hungarian.....	3	8.7	.....	6.92	23.75	21.25	51.92	63.38
Irish.....	124	5.6	39	12.14	50.81	51.91	110.55	116.03
Italian.....	1	4.0	.....	18.00	53.24	35.13	106.37	127.25
Polish.....	1	6.0	.....	8.00	32.71	23.92	64.63	84.00
Scotch.....	11	5.8	.....	11.06	51.18	45.44	107.68	111.73
Swedish.....	1	6.0	.....	10.00	42.91	43.61	96.52	84.23
Welsh.....	3	4.3	.....	15.69	51.56	60.35	127.60	162.66
Total.....	762	5.0	189	13.34	46.78	52.02	108.42	117.43
<i>Europe.</i>								
Belgian.....	11	5.8	.....	5.45	29.18	29.39	64.02	64.37
English.....	21	4.3	.....	9.26	39.62	49.56	98.44	102.69
Irish.....	6	5.0	.....	7.96	43.22	35.79	86.97	90.29
Scotch.....	21	5.3	.....	8.78	56.67	27.52	92.97	96.94
Welsh.....	17	4.9	.....	6.04	38.51	31.54	76.09	81.75
Total.....	76	5.0	.....	7.67	42.93	34.64	85.24	88.99
Grand total.....	838	5.0	189	12.66	46.43	50.46	106.33	114.87

**II.—SUMMARY OF MEANS OF SUPPORT.**

[Two other natural combinations suggest themselves as lacking in this table, *i. e.*, Husband and wife and Husband and children, but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of Husband, wife, and children consists of Husband and children.]

Nationality of husband.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
<i>United States.</i>									
American.....	476	a 199	78	28	7	78	64	17	5
Austrian.....	3	1				1	1		
Bohemian.....	11	6	2	1	1	1			
Canadian.....	2			1			1		
English.....	37	a 11	11	3	1	6	3	1	1
French Canadian.....	2		1			1			
German.....	87	41	15	5	3	13	6	4	
Hungarian.....	3					3			
Irish.....	124	37	27	11	4	21	11	11	2
Italian.....	1	1							
Polish.....	1					1			
Scotch.....	11	6	2			2	1		
Swedish.....	1		1						
Welsh.....	3	3							
Total.....	762	b 305	137	49	16	127	87	33	8
<i>Europe.</i>									
Belgian.....	11	1	2	5	3				
English.....	21	c 17		a 2		a 2			
Irish.....	6	a 4		a 2					
Scotch.....	21	b 2		b 5		d 11	1	a 2	
Welsh.....	17	e 10		b 4	1	2			
Total.....	76	f 34	2	e 18	4	g 15	1	a 2	
Grand total.....	838	h 339	139	e 67	20	g 142	88	a 35	8

a In one case expenditure equals income.

b In two cases expenditure equals income.

c In nine cases expenditure equals income.

d In seven cases expenditure equals income.

e In six cases expenditure equals income.

f In eighteen cases expenditure equals income.

g In eight cases expenditure equals income.

h In twenty cases expenditure equals income.

TABLE XXII.—BAR IRON: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES.

## A.—SUMMARY OF CONDITION AS TO CHILDREN.

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition un-kwn.	Total families.	Average children per family.	Families with out children.	Total families.
	Fam-ilies.	Chil-dren.	Aver-age.	Fam-ilies.	Chil-dren.	Aver-age.	Fam-ilies.	Chil-dren.	Aver-age.					
<i>United States</i>														
American....	34	44	1.3	155	291	1.9	214	353	1.6	37	725	2.8	52	309
Austrian....				1	3	3.0	1	2	2.0		5	5.0		1
Canadian....							1	1	1.0		1	1.0	1	2
English....	19	39	2.1	30	69	2.3	46	74	1.6	24	206	3.5	11	70
French....	1	1	1.0	3	7	2.3	4	10	2.5	2	20	5.0	2	6
Fr. Canadian				1	1	1.0	1	1	1.0		2	2.0		1
German....	6	6	1.0	34	78	2.3	40	67	1.7	17	168	3.1	10	65
Irish....	25	51	2.0	47	113	2.4	62	112	1.8	20	296	3.6	20	103
Italian....				2	4	2.0	1	1	1.0		5	2.5		2
Polish....	1	2	2.0	1	1	1.0	2	4	2.0		7	2.3		3
Scotch....	1	2	2.0	4	5	1.3	6	14	2.3	2	23	2.6	1	10
Swedish....	1	1	1.0	1	1	1.0	2	3	1.5	3	8	4.0	1	3
Welsh....	11	12	1.1	21	61	2.9	30	55	1.8	16	144	3.5	7	48
Total...	99	158	1.6	300	634	2.1	410	697	1.7	121	1,610	3.1	105	623
<i>Europe.</i>														
Belgian....	45	100	2.2	36	77	2.1	52	80	1.5	56	313	3.6	6	93
English....	29	40	1.4	56	145	2.6	49	66	1.3	5	256	3.3	14	91
French....	11	20	1.8				10	18	1.8	31	69	3.6	3	23
German....	1	2	2.0	2	10	5.0	5	8	1.6	10	30	3.3		9
Irish....	2	2	1.0	6	9	1.5	9	13	1.4		24	2.0	2	14
Polish....	2	3	1.5	4	13	3.3	13	26	2.0	11	53	4.1		13
Scotch....	5	10	2.0	4	10	2.5	3	4	1.3		24	4.8		5
Welsh....	1	4	4.0	2	4	2.0	2	2	1.0	2	12	4.0	1	4
Total...	96	181	1.9	110	268	2.4	143	217	1.5	115	781	3.5	26	251
Grand total	195	339	1.7	410	902	2.2	553	914	1.7	236	2,391	3.2	131	874

## B.—SUMMARY OF SOURCES OF INCOME.

Nationality of husband.	Families—						Income—						Per indi-vidual.
	Total.	Aver-age size.	With income from—				Per family from—						
			Hus-bands.	Wives.	Chil-dren.	Board-ers, etc.	Hus-bands.	Wives.	Chil-dren.	Board-ers, etc.	Aver-age.		
<i>United States</i>													
American.	309	4.6	309	7	34	54	\$674.27	\$145.71	\$249.06	\$178.58	\$736.18	\$159.30	
Austrian.	1	7.0	1				581.50				581.50	83.07	
Canadian.	2	2.5	2				869.00				869.00	347.60	
English.	70	5.2	70	1	18	19	691.00	150.00	293.71	111.76	799.01	152.40	
French.	6	5.3	6		1		579.94		180.00		609.94	114.36	
Fr. Canad'n	1	4.0	1				707.00				707.00	176.75	
German.	65	4.9	65		6	12	704.93		265.23	242.58	774.20	157.75	
Irish.	103	5.2	103		25	22	700.23		488.05	205.34	862.87	167.37	
Italian.	2	4.5	2	1			386.40	150.00			461.40	102.53	
Polish.	3	4.3	3	1	1		444.17	100.00	110.00		514.17	118.65	
Scotch.	10	4.4	10		1		813.28		284.00		812.08	191.38	
Swedish.	3	5.0	3		1		405.00		130.00		444.33	89.67	
Welsh.	48	5.1	48		11	11	886.00		252.68	151.69	978.66	192.52	
Total..	623	4.8	623	10	98	118	693.49	142.00	316.91	176.81	784.11	161.65	
<i>Europe.</i>													
Belgian....	93	5.5	93	2	45	20	242.06	173.70	267.38	57.13	387.40	69.97	
English....	91	4.9	91		20	7	463.10		186.22	122.83	531.89	109.51	
French....	22	5.0	22		11	7	307.55		213.83	55.69	432.18	81.66	
German....	9	5.6	9		1	5	234.11		77.11	97.33	296.75	53.42	
Irish....	14	3.8	14		2	1	324.94		132.85	113.88	352.06	93.00	
Polish....	13	6.2	13		2	5	250.71		92.82	18.56	272.13	43.67	
Scotch....	5	6.6	5		5	1	481.79		360.12	34.07	848.72	128.59	
Welsh....	4	5.0	4		1	2	236.21		632.64	63.27	426.01	85.20	
Total..	251	5.2	251	2	96	48	337.41	173.70	236.04	67.64	442.35	85.08	
Grand total	874	4.9	874	12	194	166	594.79	147.28	277.34	145.24	685.96	138.63	

TABLE XXII.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**C.—SUMMARY OF EXPENDITURE FOR RENT.**

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>United States.</i>								
American.....	309	4.6	52	217	4.9	40	\$109.26	\$23.86
Austrian.....	1	7.0	-----	1	3.0	-----	60.00	8.57
Canadian.....	2	2.5	-----	2	5.0	-----	108.00	43.20
English.....	70	5.2	10	56	5.2	4	103.73	18.90
French.....	6	5.3	2	4	4.5	-----	87.00	19.33
French Canadian.....	1	4.0	-----	1	5.0	-----	144.00	36.00
German.....	65	4.9	15	47	5.2	3	107.77	25.30
Irish.....	103	5.2	18	76	5.0	9	108.84	21.22
Italian.....	2	4.5	-----	2	4.0	-----	72.00	16.00
Polish.....	3	4.3	1	2	4.0	-----	82.00	20.50
Scotch.....	10	4.4	3	7	5.7	-----	105.43	26.36
Swedish.....	3	5.0	-----	3	4.3	-----	69.67	13.93
Welsh.....	48	5.1	11	23	5.0	14	104.62	20.92
Total.....	623	4.8	112	441	5.0	70	107.33	22.54
<i>Europe.</i>								
Belgian.....	93	5.5	5	62	3.5	26	34.01	6.07
English.....	91	4.9	-----	89	4.2	2	55.32	11.39
French.....	22	5.0	-----	3	4.0	19	29.65	5.88
German.....	9	5.6	1	7	1.9	1	20.61	4.01
Irish.....	14	3.8	-----	14	3.4	-----	40.36	12.25
Polish.....	13	6.2	-----	12	2.0	1	15.67	2.53
Scotch.....	5	6.6	-----	4	4.3	1	51.53	7.82
Welsh.....	4	5.0	-----	4	5.5	-----	32.91	6.58
Total.....	251	5.2	6	195	3.7	50	41.36	7.97
Grand total.....	874	4.9	118	636	4.6	120	86.04	17.56

**D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)**

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
United States														
American ..	309	4.6	60	\$31.76	106	\$21.01	282	\$65.63	53	\$12.02	195	\$10.67	259	\$9.43
Anstrian ..	1	7.0	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Canadian ..	2	2.5	.....	.....	.....	.....	2	92.00	.....	.....	.....	.....	.....	.....
English.....	70	5.2	20	48.25	21	17.30	66	67.22	.....	.....	43	8.86	48	10.16
French.....	6	5.3	1	20.00	3	25.37	5	61.90	.....	.....	3	3.82	6	15.51
Fr.Canadian	1	4.0	.....	.....	.....	.....	1	98.40	.....	.....	1	24.60	1	14.85
German.....	65	4.9	2	40.00	6	24.74	58	78.77	2	3.20	47	10.98	51	9.41
Irish.....	103	5.2	21	58.58	36	26.21	95	75.79	12	7.67	73	10.01	84	11.29
Italian.....	2	4.5	.....	.....	.....	.....	2	62.40	.....	.....	2	9.58	2	7.29
Polish.....	3	4.3	.....	.....	.....	.....	3	68.53	.....	.....	2	10.20	2	8.46
Scotch.....	10	4.4	5	42.00	2	12.00	9	66.59	.....	.....	6	5.33	5	11.92
Swedish.....	3	5.0	1	40.00	1	13.06	3	50.93	.....	.....	1	10.80	1	11.44
Welsh.....	48	5.1	8	68.36	19	14.89	33	95.71	4	2.64	17	7.63	27	13.11
Total...	623	4.8	118	42.35	194	21.02	559	70.74	71	10.51	390	10.14	486	10.13
Europe.														
Belgian.....	93	5.5	18	26.33	.....	.....	71	35.93	.....	.....	.....	.....	63	8.33
English.....	91	4.9	.....	.....	76	17.69	90	61.15	.....	.....	48	12.39	61	7.99
French.....	22	5.0	.....	.....	2	5.80	22	44.86	.....	.....	2	3.94	3	8.56
German.....	9	5.6	4	20.33	6	20.94	4	32.82	1	.74	3	2.87	3	4.08
Irish.....	14	3.8	.....	.....	9	14.06	13	59.86	.....	.....	8	11.07	10	6.52
Polish.....	13	6.2	4	23.32	5	23.55	4	27.94	1	3.71	4	2.48	3	4.98
Scotch.....	5	6.6	.....	.....	5	21.51	5	113.88	.....	.....	4	12.65	5	22.78
Welsh.....	4	5.0	.....	.....	.....	.....	3	60.10	.....	.....	.....	.....	1	12.65
Total...	251	5.2	26	25.71	103	17.80	212	51.00	2	2.23	69	11.02	149	8.43
Grand total.	874	4.9	144	39.35	297	19.90	771	65.32	73	10.28	459	10.27	635	9.73



TABLE XXII.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)**

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States.</i>														
American...	309	4.6	242	\$14.34	295	\$22.18	171	\$3.12	258	\$12.70	289	\$12.35	299	\$20.39
Austrian...	1	7.0												
Canadian...	2	2.5	1	12.00	1	23.00			1	7.00	2	11.50	2	26.00
English...	70	5.2	53	16.35	61	30.66	41	4.71	60	13.96	57	10.47	63	24.12
French...	6	5.3	5	13.84	6	23.26			5	13.46	4	9.58	6	17.41
Fr. Canadian...	1	4.0	1	18.00	1	54.00	1	3.00	1	25.00	1	12.50	1	29.25
German...	65	4.9	52	14.98	55	23.98	40	3.64	51	15.34	57	12.42	56	20.80
Irish...	105	5.2	91	17.23	97	33.88	64	3.79	97	16.42	84	10.05	97	26.17
Italian...	2	4.5	2	9.13	2	10.00	2	3.85	2	18.00	2	9.25	2	20.40
Polish...	3	4.3	2	12.60	2	17.08	2	3.15	2	15.50	2	8.75	2	18.40
Scotch...	10	4.4	9	16.11	9	32.66	5	4.44	9	10.94	5	7.86	9	22.30
Swedish...	3	5.0	3	7.67	3	25.50	1	2.25	3	18.17	3	11.17	3	22.37
Welsh...	48	5.1	36	17.34	39	33.39	18	3.74	39	10.99	38	11.45	39	22.91
Total...	623	4.8	497	15.33	571	26.20	345	3.55	528	13.71	544	11.65	579	22.01
<i>Europe.</i>														
Belgian...	93	5.5	60	10.37	87	33.67	42	3.95			91	18.26	74	4.68
English...	91	4.9	82	13.89	89	27.64	9	6.00	88	11.68	41	4.18	88	7.78
French...	22	5.0	8	10.61	17	24.59	10	4.57			19	17.77	16	7.26
German...	9	5.6	9	8.15	5	11.70					9	7.21	9	7.41
Irish...	14	3.8	13	10.57	13	18.96	2	6.33	13	8.79	3	4.26	13	6.66
Polish...	13	6.2	13	10.56	4	18.53					13	6.67	13	6.57
Scotch...	5	6.6	3	27.42	5	45.55			5	23.97	3	4.73	5	16.94
Welsh...	4	5.0	1	3.70	2	41.12			2	25.31			2	10.55
Total...	251	5.2	189	12.07	222	29.26	63	4.42	108	12.16	179	13.12	220	6.78
Grand total.	874	4.9	686	14.43	793	27.06	408	3.68	636	13.45	723	12.01	799	17.82

**D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)**

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States.</i>														
American...	309	4.6	216	\$2.79	237	\$7.54	299	\$25.72	170	\$7.57	20	\$1.16	223	\$7.40
Austrian...	1	7.0												
Canadian...	2	2.5			2	10.00	2	36.25						
English...	70	5.2	36	2.51	50	5.52	64	33.33	40	7.25	3	3.20	43	7.28
French...	6	5.3	2	1.66	2	4.75	6	24.60	2	22.01			2	2.75
Fr. Canadian...	1	4.0	1	6.00	1	6.30	1	9.00	1	13.00			1	12.00
German...	65	4.9	45	2.38	45	5.51	56	23.63	38	9.43	4	3.25	48	5.84
Irish...	103	5.2	58	2.56	78	7.16	98	34.41	69	8.43	12	1.81	88	7.54
Italian...	2	4.5	2	1.88	2	3.78	2	17.20	2	6.47			2	4.53
Polish...	3	4.3	2	2.40	2	4.59	2	14.90	3	16.81			2	3.40
Scotch...	10	4.4	4	2.36	6	5.25	9	27.78	6	3.83	3	2.67	9	8.58
Swedish...	3	5.0	2	1.95	2	3.57	3	16.87	2	8.25			1	3.00
Welsh...	48	5.1	18	3.18	12	7.42	38	33.78	8	24.06	6	2.43	21	11.36
Total...	623	4.8	386	2.69	439	6.95	580	28.27	341	8.43	49	1.88	440	7.40
<i>Europe.</i>														
Belgian...	93	5.5			17	7.19	48	39.52	50	50.00	3	2.20	7	2.72
English...	91	4.9			21	5.02	88	18.54	27	12.33			16	7.41
French...	22	5.0			12	11.87	4	42.85	22	64.91	2	2.78	3	3.78
German...	9	5.6					8	3.62	9	41.15	2	1.15	3	2.06
Irish...	14	3.8			2	4.75	12	13.68	2	22.14			4	6.57
Polish...	13	6.2					13	6.46	13	39.94	4	1.95	7	2.83
Scotch...	5	6.6					5	34.75	1	63.26			2	9.49
Welsh...	4	5.0					2	48.10						
Total...	251	5.2			52	7.30	180	23.60	124	42.40	11	2.02	42	5.24
Grand total.	874	4.9	386	2.69	491	6.98	760	27.16	465	17.49	59	1.90	482	7.22

TABLE XXII.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>United States</i>												
American...	309	4.6	288	\$9.01	277	\$9.24	47	\$2.62	302	\$36.77	\$261.19	\$56.52
Austrian...	1	7.0	-----	-----	-----	-----	-----	-----	1	360.00	360.00	51.43
Canadian...	2	2.5	2	5.50	2	9.75	-----	-----	2	31.00	243.00	97.20
English...	70	5.2	66	9.39	62	9.71	7	6.29	70	48.43	289.80	55.28
French...	6	5.3	5	9.90	3	6.35	1	1.00	6	20.83	222.24	41.67
Fr. Canadian	1	4.0	1	11.10	1	15.92	-----	-----	1	38.00	395.32	98.83
German...	65	4.9	54	8.65	52	9.16	17	3.23	64	67.23	281.97	57.45
Irish...	103	5.2	99	10.13	95	10.89	30	4.65	98	35.92	313.21	60.75
Italian...	2	4.5	2	7.84	2	7.68	-----	-----	2	32.50	231.76	51.50
Polish...	3	4.3	2	8.76	3	19.70	-----	-----	3	43.33	233.82	53.96
Scotch...	10	4.4	8	6.77	9	12.81	-----	-----	10	63.20	292.51	66.48
Swedish...	3	5.0	3	11.73	2	6.21	-----	-----	3	22.67	227.21	45.44
Welsh...	48	5.1	37	9.82	31	12.03	17	3.05	48	111.83	338.85	66.66
<b>Total...</b>	<b>623</b>	<b>4.8</b>	<b>567</b>	<b>9.25</b>	<b>539</b>	<b>9.84</b>	<b>119</b>	<b>3.48</b>	<b>610</b>	<b>47.81</b>	<b>281.21</b>	<b>58.05</b>
<i>Europe.</i>												
Belgian...	93	5.5	35	13.41	48	14.38	26	2.74	52	14.98	170.21	30.74
English...	91	4.9	88	7.69	84	5.52	-----	-----	89	40.64	224.33	46.19
French...	22	5.0	16	14.15	-----	-----	-----	-----	22	16.36	199.06	39.45
German...	9	5.6	7	8.49	8	5.65	9	2.16	9	14.54	142.89	25.72
Irish...	14	3.8	13	6.05	12	3.89	-----	-----	14	22.69	168.28	44.45
Polish...	13	6.2	12	9.03	12	5.20	13	1.86	13	29.22	150.80	24.20
Scotch...	5	6.6	5	11.47	5	18.98	-----	-----	5	76.56	432.24	65.49
Welsh...	4	5.0	2	15.45	-----	-----	-----	-----	4	91.01	210.43	42.09
<b>Total...</b>	<b>251</b>	<b>5.2</b>	<b>178</b>	<b>9.59</b>	<b>169</b>	<b>8.30</b>	<b>48</b>	<b>2.39</b>	<b>208</b>	<b>30.44</b>	<b>196.13</b>	<b>37.72</b>
<b>Grand total.</b>	<b>874</b>	<b>4.9</b>	<b>745</b>	<b>9.33</b>	<b>708</b>	<b>9.47</b>	<b>167</b>	<b>3.17</b>	<b>818</b>	<b>43.40</b>	<b>256.78</b>	<b>51.91</b>

**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	309	4.6	308	\$29.78	309	\$7.02	309	\$33.90	309	\$26.65	257	\$50.82
Austrian...	1	7.0	1	30.00	1	1.44	1	30.00	1	10.00	1	60.00
Canadian...	2	2.5	2	55.50	2	4.50	2	60.00	2	100.00	-----	-----
English...	70	5.2	70	35.21	70	6.41	69	37.97	70	26.97	57	63.09
French...	6	5.3	6	36.35	6	3.83	6	52.25	6	33.79	4	72.75
Fr. Canadian	1	4.0	1	29.50	1	8.50	1	10.00	1	15.00	1	20.00
German...	65	4.9	65	31.58	61	7.08	65	30.49	65	25.19	55	52.62
Irish...	103	5.2	103	33.32	103	6.30	103	36.02	102	27.93	81	84.71
Italian...	2	4.5	2	26.00	2	6.75	2	12.50	2	12.50	2	27.50
Polish...	3	4.3	3	26.00	3	4.85	3	17.67	3	12.00	3	23.33
Scotch...	10	4.4	10	39.61	10	5.66	10	39.40	10	36.70	9	43.00
Swedish...	3	5.0	3	29.87	3	3.67	3	25.00	3	14.00	2	60.00
Welsh...	48	5.1	48	40.91	48	4.78	48	52.20	47	48.16	40	74.78
<b>Total...</b>	<b>623</b>	<b>4.8</b>	<b>622</b>	<b>32.30</b>	<b>619</b>	<b>6.57</b>	<b>622</b>	<b>35.87</b>	<b>621</b>	<b>28.62</b>	<b>512</b>	<b>59.39</b>
<i>Europe.</i>												
Belgian...	93	5.5	90	13.28	88	4.65	93	27.17	91	15.59	86	45.86
English...	91	4.9	91	27.48	91	7.11	91	31.41	90	26.09	77	44.50
French...	22	5.0	22	7.51	22	4.44	22	20.40	20	14.67	19	35.96
German...	9	5.6	8	7.14	9	3.23	9	19.69	9	14.34	9	23.27
Irish...	14	3.8	14	27.77	14	5.88	14	14.67	14	13.21	12	12.09
Polish...	13	6.2	13	6.77	13	2.54	13	21.23	13	12.67	13	19.43
Scotch...	5	6.6	4	11.56	5	6.81	5	24.82	4	18.86	5	82.73
Welsh...	4	5.0	4	27.98	4	5.84	2	19.47	2	19.47	2	65.70
<b>Total...</b>	<b>251</b>	<b>5.2</b>	<b>246</b>	<b>18.51</b>	<b>246</b>	<b>5.51</b>	<b>249</b>	<b>26.73</b>	<b>243</b>	<b>19.15</b>	<b>223</b>	<b>41.28</b>
<b>Grand total.</b>	<b>874</b>	<b>4.9</b>	<b>868</b>	<b>28.39</b>	<b>865</b>	<b>6.27</b>	<b>871</b>	<b>33.26</b>	<b>864</b>	<b>25.95</b>	<b>735</b>	<b>53.90</b>

TABLE XXII.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
	Total.	Average size.	Families.	Average cost.	Property.		Life.		Labor.		Other.	
					Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	309	4.6	120	\$12.36	54	\$7.74	96	\$25.06	133	\$7.59	126	\$15.42
Austrian...	1	7.0									1	30.00
Canadian...	2	2.5			1	2.00			1	6.00		
English...	70	5.2	19	20.71	15	9.85	23	20.97	28	6.86	25	12.04
French...	6	5.3	2	9.18	3	2.27			2	6.50	2	4.00
Fr. Canadian...	1	4.0							1	8.00	1	12.00
German...	65	4.9	20	10.78	12	9.38	18	19.06	33	7.45	34	17.06
Irish...	103	5.2	40	12.10	16	6.41	29	23.74	45	7.37	40	12.45
Italian...	2	4.5							2	7.00		
Polish...	3	4.3	1	25.00	1	5.00			3	7.33	1	24.00
Scotch...	10	4.4	3	26.00	6	3.71	4	22.35	3	5.17	1	7.20
Swedish...	3	5.0					1	5.00	1	8.00	1	12.00
Welsh...	48	5.1	22	14.53	13	8.75	18	36.41	27	6.10	28	9.31
Total...	623	4.8	227	13.29	121	7.69	189	24.70	279	7.28	260	14.14
<i>Europe.</i>												
Belgian...	93	5.5	37	4.29	21	1.42	1	5.98	4	4.02	20	6.07
English...	91	4.9					64	11.16	37	3.16	78	10.58
French...	22	5.0	19	1.86	3	1.01	2	4.35				
German...	9	5.6	9	6.11	5	1.15	1	18.94			9	6.53
Irish...	14	3.8					6	7.23	1	.49	6	7.92
Polish...	13	6.2	13	4.55	2	.63					12	6.51
Scotch...	5	6.6	5	7.06			3	2.28			4	8.94
Welsh...	4	5.0										
Total...	251	5.2	83	4.14	31	1.29	77	10.36	42	3.18	129	9.04
Grand total.	874	4.9	310	10.84	152	6.39	266	20.55	321	6.74	389	12.45

**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	309	4.6	219	\$7.69	241	\$5.40	280	\$25.46	263	\$7.92	132	\$16.70
Austrian...	1	7.0	1	5.00	1	2.00	1	56.00	1	4.00	1	4.00
Canadian...	2	2.5	2	8.00	1	10.00	2	21.00	2	17.50	2	30.00
English...	70	5.2	44	11.24	41	5.33	53	34.57	58	9.30	29	35.57
French...	6	5.3	6	9.50	4	5.63	5	10.15	5	5.80	3	2.58
Fr. Canadian...	1	4.0	1	15.00	1	5.00	1	5.00	1	2.00		
German...	65	4.9	37	7.21	43	5.37	47	20.12	63	7.71	17	19.32
Irish...	103	5.2	93	12.81	61	6.80	88	20.95	91	6.75	31	22.37
Italian...	2	4.5	2	7.50			2	6.50	2	3.00		
Polish...	3	4.3	1	10.00			3	9.33	3	2.67	1	3.00
Scotch...	10	4.4	7	8.29	6	6.67	10	20.30	10	10.22	4	32.25
Swedish...	3	5.0	1	6.00	1	3.00	3	4.33	3	3.37	1	5.00
Welsh...	48	5.1	42	14.63	47	8.51	39	49.05	45	13.11	31	36.83
Total...	623	4.8	456	9.72	447	5.92	539	26.43	547	8.25	252	22.37
<i>Europe.</i>												
Belgian...	93	5.5	35	.95	20	.69	60	5.81	36	3.22	84	24.34
English...	91	4.9	40	5.29	72	1.61	83	8.69	88	5.89	79	22.36
French...	22	5.0			1	3.86	22	5.22	7	2.91	17	11.12
German...	9	5.6	9	.88	9	.79	8	6.37	7	3.63	5	3.19
Irish...	14	3.8	12	6.41	11	.79	11	2.59	10	4.28	10	7.69
Polish...	13	6.2	13	.74	12	.59	12	7.49	8	1.40	5	2.05
Scotch...	5	6.6	5	10.22	5	3.41	5	8.27	5	9.73	5	41.85
Welsh...	4	5.0	2	4.87					3	2.84		
Total...	251	5.2	125	3.58	130	1.34	201	6.94	164	4.53	205	21.04
Grand total.	874	4.9	581	8.40	577	4.89	740	21.14	711	7.46	457	21.77



TABLE XXII.—**BAR IRON:** SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)**

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>United States</i>												
American ..	309	4.6	125	\$23.93	251	\$13.64	279	\$25.53	295	\$35.09	\$286.92	\$62.09
Austrian ..	1	7.0	1	52.00	1	12.00	1	50.00	1	6.00	352.44	50.35
Canadian ..	2	2.5	1	50.00	2	17.75	2	77.50	2	28.25	454.00	181.60
English ..	70	5.2	32	23.94	52	11.74	56	21.12	66	36.10	311.38	59.39
French ..	6	5.3	5	49.68	6	13.77	3	23.83	5	12.19	287.49	53.90
Fr. Canadian ..	1	4.0	—	—	1	13.50	1	8.00	1	25.00	176.50	44.13
German ..	65	5.1	40	20.93	56	11.54	51	21.22	54	31.52	261.85	53.35
Irish ..	103	5.2	52	22.90	81	14.24	85	24.40	102	40.42	319.47	61.97
Italian ..	2	4.5	—	—	—	—	2	10.00	2	21.50	140.75	31.28
Polish ..	3	4.3	—	—	1	15.00	3	16.33	3	56.67	203.52	46.97
Scotch ..	10	4.4	5	57.60	9	14.67	10	16.50	8	22.63	311.12	70.71
Swedish ..	3	5.0	2	25.00	2	10.00	3	10.00	3	13.00	179.57	35.91
Welsh ..	48	5.1	30	29.35	33	11.36	45	39.79	39	29.69	423.55	83.32
Total....	623	4.8	293	25.10	495	13.17	541	25.51	581	34.94	302.43	62.43
<i>Europe.</i>												
Belgian ..	93	5.5	63	25.55	78	5.75	39	10.75	73	6.94	165.23	29.84
English ..	91	4.9	64	20.97	67	12.93	50	5.83	25	16.85	216.91	44.66
French ..	22	5.0	22	49.77	20	4.82	1	9.65	16	4.22	151.45	30.02
German ..	9	5.6	9	11.30	8	3.56	5	3.52	9	23.76	134.38	24.19
Irish ..	14	3.8	9	19.35	10	11.39	14	2.56	2	5.60	119.05	31.45
Polish ..	13	6.2	13	17.18	13	4.35	9	6.56	13	9.98	119.20	19.13
Scotch ..	5	6.6	—	—	—	—	—	—	—	—	220.61	33.43
Welsh ..	4	5.0	—	—	2	12.65	4	4.48	—	—	110.45	22.09
Total....	251	5.2	180	25.26	198	8.26	122	6.97	138	9.78	176.93	34.03
Grand total.	874	4.9	473	25.16	693	11.77	663	22.10	719	30.11	266.39	53.86

**F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.		Deficit.	
										Families.	Average.	Families.	Average.
<i>United States</i>													
American ..	309	4.6	52	\$109.26	\$261.19	\$286.92	\$638.99	\$674.27	\$736.18	197	\$178.07	103	\$48.99
Austrian ..	1	7.0	.....	60.00	360.00	352.44	772.44	581.50	581.50	.....	.....	1	190.94
Canadian ..	2	2.5	.....	108.00	243.00	454.00	805.00	869.00	869.00	1	176.10	1	48.10
English .....	70	5.2	10	103.78	289.80	311.38	688.65	691.00	799.01	43	236.90	26	94.70
French .....	6	5.3	2	87.00	222.24	287.49	567.73	579.94	609.94	5	54.06	1	17.02
Fr. Canadian ..	1	4.0	.....	144.00	395.32	176.50	715.82	707.00	707.00	.....	.....	1	8.82
German .....	65	4.9	15	107.77	281.97	261.85	626.72	704.93	774.20	46	236.36	19	67.69
Irish .....	103	5.2	18	108.84	313.21	319.47	722.50	700.33	862.87	65	255.56	38	56.66
Italian .....	2	4.5	.....	72.00	231.76	140.75	444.51	386.40	461.40	2	16.89	.....	.....
Polish .....	3	4.3	1	82.00	233.82	203.52	492.01	444.17	514.17	2	48.64	1	30.80
Scotch .....	10	4.4	3	105.43	292.51	311.12	677.43	813.23	842.08	9	190.60	1	68.88
Swedish .....	3	5.0	.....	69.67	227.21	179.57	476.45	405.00	448.33	1	14.40	2	49.37
Welsh .....	48	5.1	11	104.62	338.85	423.55	843.04	886.00	978.66	34	240.17	13	127.38
Total....	623	4.8	112	107.33	281.21	302.43	671.50	698.49	784.11	405	205.49	207	63.13
<i>Europe.</i>													
Belgian .....	93	5.5	5	34.01	170.21	105.23	367.62	242.06	387.46	48	80.56	45	44.92
English .....	91	4.9	.....	55.32	224.33	216.91	496.56	463.10	531.89	54	65.10	9	33.33
French .....	22	5.0	.....	29.65	199.00	151.45	380.16	307.55	432.18	16	83.56	6	32.11
German .....	9	5.6	1	20.61	142.89	134.38	293.29	234.11	296.75	6	19.05	3	27.71
Irish .....	14	3.8	.....	46.36	168.28	119.05	333.69	324.94	352.06	11	24.82	1	16.03
Polish .....	13	6.2	.....	15.67	150.80	119.20	284.46	250.71	272.13	3	11.80	10	19.57
Scotch .....	5	6.6	.....	51.58	432.24	220.61	704.43	481.79	848.72	4	180.36	.....	.....
Welsh .....	4	5.0	.....	32.91	210.43	110.45	353.79	236.21	426.01	3	100.61	1	12.94
Total....	251	5.2	6	41.36	196.13	176.93	413.09	337.41	442.35	145	70.10	75	37.62
Grand total	874	4.9	118	86.04	256.78	266.39	597.29	594.79	685.96	550	169.79	282	56.34

TABLE XXII.—**BAR IRON**: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditnre per individual for—				Income per indi- vidual.
	Total.	Aver- age size.		Rent.	Food.	Other purposes.	All purposes.	
<i>United States.</i>								
American.....	309	4.6	52	\$23.86	\$56.52	\$62.09	\$138.27	\$159.30
Anstrian.....	1	7.0	-----	8.57	51.43	50.35	110.35	83.07
Canadian.....	2	2.5	-----	43.20	97.20	181.60	322.00	347.60
English.....	70	5.2	10	18.90	55.28	59.39	131.35	152.40
French.....	6	5.3	2	19.33	41.67	53.90	106.45	114.36
French Canadian.....	1	4.0	-----	36.00	98.83	44.13	178.96	176.75
German.....	65	4.9	15	25.30	57.45	53.35	127.70	157.75
Irish.....	103	5.2	18	21.22	60.75	61.97	140.15	167.37
Italian.....	2	4.5	-----	16.00	51.50	31.28	98.78	102.53
Polish.....	3	4.3	1	20.50	53.96	46.97	113.54	118.65
Scotch.....	10	4.4	3	26.36	66.48	70.71	153.96	191.38
Swedish.....	3	5.0	-----	13.93	45.44	35.91	95.28	89.67
Welsh.....	48	5.1	11	20.92	66.66	83.32	165.84	192.52
Total.....	623	4.8	112	22.54	58.05	62.43	138.62	161.86
<i>Europe.</i>								
Belgian.....	93	5.5	5	6.07	30.74	29.84	66.39	69.97
English.....	91	4.9	-----	11.39	46.19	44.66	102.24	109.51
French.....	22	5.0	-----	5.88	39.45	30.02	75.35	85.66
German.....	9	5.6	1	4.01	25.72	24.19	52.79	53.42
Irish.....	14	3.8	-----	12.25	44.45	31.45	88.15	93.00
Polish.....	13	6.2	-----	2.58	24.20	19.13	45.65	43.67
Scotch.....	5	6.6	-----	7.82	65.49	33.43	106.74	128.59
Welsh.....	4	5.0	-----	6.58	42.09	22.09	70.76	85.20
Total.....	251	5.2	6	7.97	37.72	34.03	79.45	85.08
Grand total.....	874	4.9	118	17.56	51.91	53.86	120.76	138.68

TABLE XXII.—**BAR IRON: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Concluded.****II.—SUMMARY OF MEANS OF SUPPORT.**

[Two other natural combinations suggest themselves as lacking in this table, *i. e.*, Husband and wife and Husband and children, but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of Husband, wife, and children consists of Husband and children.]

Nationality of husband.	Total fam- ilies.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
<i>United States.</i>									
American .....	309	<i>a</i> 149	80	<i>a</i> 17	11	<i>b</i> 30	11	<i>c</i> 10	1
Austrian .....	1								
Canadian .....	2	1	1						
English .....	70	27	10	<i>b</i> 7	7	8	6	2	3
French .....	6	4	1	1					
French Canadian .....	1		1						
German .....	65	36	15	1	3	7	1	2	
Irish .....	103	41	23	9	8	9	5	6	2
Italian .....	2	1		1					
Polish .....	3	1		1	1				
Scotch .....	10	9			1				
Swedish .....	3	1	1		1				
Welsh .....	48	21	8	5	3	<i>b</i> 7	1	2	1
Total .....	623	<i>a</i> 291	141	<i>d</i> 42	35	<i>c</i> 61	24	<i>c</i> 22	7
<i>Europe.</i>									
Belgian .....	93	13	22	26	12	5	7	4	4
English .....	91	<i>e</i> 55	5	<i>f</i> 21	3	1	1	<i>b</i> 5	
French .....	22	5	1	7	2	2	3	2	
German .....	9	2	2	1		3	1		
Irish .....	14	<i>c</i> 10	1	2		1			
Polish .....	13	2	6			1	2		2
Scotch .....	5			<i>b</i> 4				1	
Welsh .....	4		1	1		2			
Total .....	251	<i>g</i> 87	38	<i>h</i> 62	17	15	14	<i>b</i> 12	6
Grand total .....	874	<i>i</i> 378	179	<i>j</i> 104	52	<i>c</i> 76	38	<i>a</i> 34	13

*a* In three cases expenditure equals income.

*b* In one case expenditure equals income.

*c* In two cases expenditure equals income.

*d* In four cases expenditure equals income.

*e* In twenty-two cases expenditure equals income.

*f* In five cases expenditure equals income.

*g* In twenty-four cases expenditure equals income.

*h* In six cases expenditure equals income.

*i* In twenty-seven cases expenditure equals income.

*j* In ten cases expenditure equals income.



**TABLE XXII.—STEEL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES.****A.—SUMMARY OF CONDITION AS TO CHILDREN.**

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>United States</i>														
American...	4	6	1.5	26	57	2.2	56	99	1.8	26	188	2.7	7	76
Austrian...							1	3	3.0		3	3.0		1
Canadian...				2	3	1.5	2	2	1.0		5	2.5		2
Danish...										1	1	1.0		1
English...				5	6	1.2	10	14	1.4	1	21	1.8	3	15
German...	2	4	2.0	6	12	2.0	15	33	2.2	2	51	2.7	3	22
Irish...	19	38	2.0	29	65	2.2	26	46	1.8	6	155	3.7	14	56
Norwegian...							1	2	2.0		2	2.0		1
Polish...	1	1	1.0	3	4	1.3	3	7	2.3		12	4.0		3
Scotch...	1	2	2.0	1	2	2.0	3	6	2.0		10	3.3	1	4
Swedish...	1	2	2.0	1	2	2.0					4	4.0	1	2
<b>Total...</b>	<b>28</b>	<b>53</b>	<b>1.9</b>	<b>73</b>	<b>151</b>	<b>2.1</b>	<b>117</b>	<b>212</b>	<b>1.8</b>	<b>36</b>	<b>452</b>	<b>2.9</b>	<b>29</b>	<b>183</b>
<i>Europe.</i>														
English...	16	23	1.4	31	75	2.4	33	59	1.8	1	158	3.9	4	45
German...	2	2	1.0	1	4	4.0	7	16	2.3	4	26	2.9	1	10
Irish...	5	8	1.6	7	12	1.7	7	9	1.3		29	3.2	2	11
Polish...	4	7	1.8				20	41	2.1	24	72	3.1	2	25
Scotch...	38	65	1.7	63	163	2.6	54	88	1.6	2	318	4.0	8	87
Welsh...	12	17	1.4	10	19	1.9	8	8	1.0		44	2.4	5	23
<b>Total...</b>	<b>77</b>	<b>122</b>	<b>1.6</b>	<b>112</b>	<b>273</b>	<b>2.4</b>	<b>129</b>	<b>221</b>	<b>1.7</b>	<b>31</b>	<b>647</b>	<b>3.6</b>	<b>22</b>	<b>201</b>
<b>Grand total.</b>	<b>105</b>	<b>175</b>	<b>1.7</b>	<b>185</b>	<b>424</b>	<b>2.3</b>	<b>246</b>	<b>433</b>	<b>1.8</b>	<b>67</b>	<b>1,099</b>	<b>3.3</b>	<b>51</b>	<b>384</b>

**B.—SUMMARY OF SOURCES OF INCOME.**

Nationality of husband.	Families—						Income—						Per individual.
	Total.	Average size.	With income from—				Per family from—						
			Husbands.	Wives.	Children.	Boards, etc.	Husbands.	Wives.	Children.	Boards, etc.	Average.		
<i>United States</i>													
American...	76	4.6	76	2	4	15	\$678.19	\$125.00	\$260.00	\$142.53	\$723.29	\$157.51	
Austrian ..	1	5.0	1	.....	.....	.....	600.00	.....	.....	.....	600.00	120.00	
Canadian ..	2	4.5	2	.....	.....	.....	616.25	.....	.....	.....	616.25	136.94	
Danish .....	1	3.0	1	.....	.....	.....	600.00	.....	.....	.....	600.00	200.00	
English.....	15	3.5	15	.....	.....	3	573.41	.....	.....	112.00	595.81	171.87	
German.....	22	4.6	22	.....	2	3	629.97	.....	241.50	264.33	687.97	148.38	
Irish.....	56	5.2	56	4	19	17	441.32	175.50	313.66	164.32	610.16	117.82	
Norwegian...	1	4.0	1	.....	.....	.....	620.00	.....	.....	.....	620.00	155.00	
Polish.....	3	6.0	3	.....	1	3	326.83	.....	100.00	64.67	424.83	70.81	
Scotch.....	4	4.5	4	.....	1	1	624.79	.....	574.00	50.00	780.79	173.51	
Swedish...	2	4.5	2	.....	1	.....	310.00	.....	150.00	.....	385.00	85.56	
<b>Total ...</b>	<b>183</b>	<b>4.7</b>	<b>183</b>	<b>6</b>	<b>28</b>	<b>42</b>	<b>578.52</b>	<b>158.67</b>	<b>296.67</b>	<b>150.11</b>	<b>663.56</b>	<b>141.36</b>	
<i>Europe.</i>													
English.....	45	5.5	45	.....	16	4	433.20	.....	142.44	36.92	487.12	88.75	
German.....	10	4.8	10	.....	2	1	242.50	.....	42.49	23.80	253.37	52.79	
Irish.....	11	4.5	11	.....	5	4	367.14	.....	219.97	43.80	483.06	106.27	
Polish.....	25	4.9	25	.....	4	3	227.85	.....	103.14	37.29	248.83	50.58	
Scotch.....	87	5.6	87	1	38	31	574.92	486.65	223.35	56.83	698.32	123.73	
Welsh.....	23	3.9	23	.....	12	5	319.51	.....	175.84	69.88	426.44	108.98	
<b>Total ...</b>	<b>201</b>	<b>5.2</b>	<b>201</b>	<b>1</b>	<b>77</b>	<b>48</b>	<b>442.89</b>	<b>486.65</b>	<b>187.97</b>	<b>53.53</b>	<b>530.10</b>	<b>101.57</b>	
<b>Grand total</b>	<b>384</b>	<b>5.0</b>	<b>384</b>	<b>7</b>	<b>105</b>	<b>90</b>	<b>507.52</b>	<b>205.52</b>	<b>216.95</b>	<b>98.60</b>	<b>593.70</b>	<b>119.49</b>	

TABLE XXII.—STEEL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## C.—SUMMARY OF EXPENDITURE FOR RENT.

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>United States.</i>								
American.....	76	4.6	12	61	5.0	3	\$84.70	\$18.89
Austrian.....	1	5.0	.....	1	4.0	.....	96.00	19.20
Canadian.....	2	4.5	.....	2	5.5	.....	85.50	19.00
Danish.....	1	3.0	.....	1	3.0	.....	84.00	28.00
English.....	15	3.5	4	10	4.8	1	72.50	21.97
German.....	22	4.6	2	20	3.9	.....	97.10	20.66
Irish.....	56	5.2	8	48	4.6	.....	88.77	17.32
Norwegian.....	1	4.0	.....	1	4.0	.....	90.00	22.50
Polish.....	3	6.0	1	2	3.0	.....	63.00	10.50
Scotch.....	4	4.5	.....	4	3.5	.....	82.50	18.33
Swedish.....	2	4.5	1	1	3.0	.....	66.00	11.00
Total.....	183	4.7	28	151	4.6	4	86.44	18.57
<i>Europe.</i>								
English.....	45	5.5	6	39	4.3	.....	50.70	9.24
German.....	10	4.8	.....	10	1.9	.....	9.11	1.90
Irish.....	11	4.5	.....	8	3.9	3	45.10	9.92
Polish.....	25	4.9	.....	23	2.0	2	9.93	2.02
Scotch.....	87	5.6	1	30	4.1	56	51.08	9.09
Welsh.....	23	3.9	3	20	4.2	.....	33.51	8.94
Total.....	201	5.2	10	130	3.6	61	41.23	7.93
Grand total.....	384	5.0	38	281	4.2	65	61.41	12.39

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	76	4.6	17	\$34.53	20	\$18.85	71	\$70.75	5	\$9.99	45	\$6.81	52	\$5.77
Austrian...	1	5.0	.....	.....	.....	.....	1	30.00	.....	.....	.....	.....	.....	.....
Canadian...	2	4.5	1	30.00	1	35.00	2	42.20	.....	.....	2	9.40	2	4.30
Danish...	1	3.0	.....	.....	.....	.....	1	75.00	.....	.....	.....	.....	.....	.....
English...	15	3.5	6	41.67	5	23.20	13	54.00	.....	.....	8	7.38	12	5.04
German...	22	4.6	1	40.00	2	18.40	17	74.35	.....	.....	11	4.31	15	9.26
Irish...	56	5.2	34	43.74	33	17.55	54	55.71	1	21.60	40	5.59	47	8.43
Norwegian...	1	4.0	.....	.....	1	12.00	1	147.00	1	7.20	.....	.....	1	9.00
Polish...	3	6.0	3	40.33	3	34.27	2	20.00	.....	.....	1	5.00	2	6.00
Scotch...	4	4.5	1	16.00	2	15.30	4	73.50	.....	.....	4	5.97	4	11.81
Swedish...	2	4.5	1	18.00	1	17.10	1	20.00	.....	.....	.....	.....	.....	.....
Total....	183	4.7	64	39.83	68	19.20	167	64.00	7	11.25	111	6.16	135	7.20
<i>Europe.</i>														
English.....	45	5.5	.....	.....	17	16.08	43	56.60	.....	.....	6	6.33	23	9.30
German.....	10	4.8	.....	.....	8	10.64	10	33.75	.....	.....	6	2.76	.....	.....
Irish.....	11	4.5	.....	.....	7	19.51	11	50.04	.....	.....	6	21.09	7	14.32
Polish.....	25	4.9	.....	.....	24	10.56	25	29.10	.....	.....	15	2.44	4	3.81
Scotch.....	87	5.6	.....	.....	81	20.06	87	91.93	.....	.....	77	14.58	78	16.77
Welsh.....	23	3.9	.....	.....	7	17.10	22	55.93	.....	.....	.....	.....	7	7.27
Total....	201	5.2	.....	.....	144	17.32	198	67.06	.....	.....	110	12.19	119	14.18
Grand total.	384	5.0	64	39.83	212	17.92	365	65.60	7	11.25	221	9.16	254	10.47

TABLE XXII.—STEEL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	76	4.6	59	\$15.03	64	\$25.38	34	\$3.32	66	\$11.03	71	\$10.77	72	\$17.34
Austrian...	1	5.0	1	7.32	1	26.00	—	—	—	—	—	—	1	24.00
Canadian...	2	4.5	2	10.20	2	24.75	2	2.20	2	15.00	1	12.00	2	15.68
Danish...	1	3.0	1	16.60	1	37.50	—	—	—	—	—	—	—	—
English...	15	3.5	14	13.37	14	23.74	10	3.27	13	14.42	11	6.26	14	19.50
German...	22	4.6	15	17.90	17	31.64	3	3.58	11	4.52	18	12.55	18	14.64
Irish...	56	5.2	46	14.47	51	34.17	20	3.25	50	13.61	36	11.32	54	25.58
Norwegian...	1	4.0	1	16.80	1	36.00	—	—	—	—	1	28.80	1	14.40
Polish...	3	6.0	3	12.00	3	30.00	1	2.80	2	12.00	3	5.30	3	19.17
Scotch...	4	4.5	3	21.73	4	24.38	1	1.80	4	7.75	3	10.57	4	22.00
Swedish...	2	4.5	1	8.00	1	10.00	—	—	1	3.50	1	6.00	1	13.50
Total...	183	4.7	146	14.92	159	28.83	71	3.25	149	11.64	145	10.77	170	19.97
<i>Europe.</i>														
English...	45	5.5	41	11.88	41	24.81	2	11.07	41	16.38	4	6.75	40	8.23
German...	10	4.8	8	10.00	6	11.58	—	—	—	—	10	6.80	10	8.13
Irish...	11	4.5	10	15.24	11	23.29	2	4.99	11	14.98	3	3.78	11	8.18
Polish...	25	4.9	25	7.92	16	6.59	—	—	—	—	25	6.10	25	8.64
Scotch...	87	5.6	84	21.51	87	35.46	9	5.98	85	17.03	51	6.03	87	10.02
Welsh...	23	3.9	18	7.12	22	25.44	1	6.33	21	17.25	—	—	21	6.78
Total...	201	5.2	186	15.34	183	27.83	14	6.59	158	16.74	93	6.09	194	8.92
Grand total.	384	5.0	332	15.15	342	28.30	85	3.80	307	14.27	238	8.94	364	14.08

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	76	4.6	41	\$2.30	50	\$5.32	74	\$25.41	45	\$7.57	—	—	46	\$5.60
Austrian...	1	5.0	—	—	1	16.00	1	40.00	—	—	—	—	—	—
Canadian...	2	4.5	2	2.13	2	5.25	2	25.62	2	2.53	—	—	2	2.85
Danish...	1	3.0	—	—	1	4.00	1	18.00	—	—	—	—	1	20.00
English...	15	3.5	6	2.38	14	3.64	14	21.16	11	1.61	—	—	10	3.79
German...	22	4.6	7	2.50	16	5.82	18	23.21	14	4.24	—	—	12	10.21
Irish...	56	5.2	16	3.41	49	4.51	53	34.46	40	13.00	4	\$1.05	25	6.19
Norwegian...	1	4.0	1	3.60	1	12.00	1	18.00	—	—	—	—	—	—
Polish...	3	6.0	—	—	3	2.00	3	23.00	2	30.00	1	.80	—	—
Scotch...	4	4.5	3	4.53	4	4.13	4	24.48	2	3.60	—	—	1	19.74
Swedish...	2	4.5	—	—	1	1.00	1	39.50	—	—	—	—	—	—
Total...	183	4.7	76	2.66	142	4.91	172	27.64	116	8.71	5	1.00	97	6.37
<i>Europe.</i>														
English...	45	5.5	1	3.16	23	5.23	38	33.40	13	16.19	—	—	2	11.19
German...	10	4.8	—	—	—	—	9	4.01	10	28.50	1	1.90	4	1.48
Irish...	11	4.5	—	—	3	5.03	11	25.54	2	6.33	—	—	—	—
Polish...	25	4.9	—	—	—	—	25	4.24	25	32.80	5	1.84	9	2.24
Scotch...	87	5.6	2	2.13	3	4.22	86	27.62	31	23.29	—	—	25	8.55
Welsh...	23	3.9	1	1.82	6	3.45	20	29.97	9	14.00	—	—	—	—
Total...	201	5.2	4	2.31	35	4.82	189	24.75	90	24.18	6	1.85	40	6.55
Grand total.	384	5.0	80	2.64	177	4.89	361	26.13	206	15.47	11	1.46	137	6.43



TABLE XXII.—STEEL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>United States</i>												
American...	76	4.6	73	\$8.38	66	\$7.76	9	\$1.09	75	\$28.18	\$238.06	\$51.84
Austrian...	1	5.0	1	20.00	1	20.00	—	—	1	32.00	215.32	43.06
Canadian...	2	4.5	2	7.00	2	3.16	—	—	2	29.00	239.76	53.23
Danish...	1	3.0	1	8.00	1	20.00	—	—	1	30.00	229.10	76.37
English...	15	3.5	14	6.05	14	3.40	—	—	15	49.42	237.32	68.46
German...	22	4.6	16	7.52	15	9.33	13	1.57	20	84.79	253.18	54.61
Irish...	56	5.2	53	9.03	53	5.86	8	1.76	56	29.52	233.85	54.81
Norwegian...	1	4.0	1	15.00	—	—	—	—	1	15.00	334.80	83.70
Polish...	3	6.0	3	8.50	3	5.25	—	—	3	20.30	248.32	41.39
Scotch...	4	4.5	4	7.86	4	9.80	2	1.30	3	9.67	246.02	54.67
Swedish...	2	4.5	1	9.00	1	5.20	—	—	2	129.00	204.40	45.42
Total ..	183	4.7	169	8.39	160	6.98	32	1.47	179	37.36	254.18	54.15
<i>Europe.</i>												
English.....	45	5.5	41	10.97	22	4.07	—	—	44	38.62	208.38	37.96
German.....	10	4.8	8	6.80	9	3.36	3	2.19	10	9.17	124.96	26.03
Irish.....	11	4.5	11	11.44	8	8.79	—	—	11	32.66	224.86	49.47
Polish.....	25	4.9	25	9.01	24	5.24	5	2.53	25	8.66	129.63	26.35
Scotch.....	87	5.6	87	9.37	82	14.02	—	—	87	52.47	338.90	60.05
Welsh.....	23	3.9	21	10.29	5	2.58	—	—	22	30.60	184.78	47.22
Total ...	201	5.2	193	9.78	150	9.85	8	2.41	199	38.21	249.13	47.74
Grand total.	384	5.0	362	9.13	310	8.37	40	1.65	378	37.81	251.54	50.62

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	76	4.6	74	\$25.60	74	\$5.05	76	\$31.82	76	\$24.55	69	\$42.28
Austrian...	1	5.0	1	30.00	1	4.50	1	50.00	1	12.00	1	25.00
Canadian...	2	4.5	2	28.00	2	5.50	2	28.00	2	18.50	2	43.00
Danish...	1	3.0	1	35.00	1	5.00	1	35.00	1	25.00	1	10.00
English...	15	3.5	15	28.03	15	6.67	15	31.17	15	21.33	12	37.17
German...	22	4.6	21	31.21	22	3.79	22	46.27	22	29.55	19	45.63
Irish...	56	5.2	56	32.72	56	4.03	56	31.93	53	20.75	42	82.05
Norwegian...	1	4.0	1	26.00	1	2.40	1	25.00	1	20.00	1	40.00
Polish...	3	6.0	3	12.00	3	2.00	3	26.67	3	11.00	3	43.33
Scotch...	4	4.5	4	27.63	4	2.86	4	46.25	4	24.00	3	52.33
Swedish...	2	4.5	2	22.50	2	1.60	2	20.00	2	18.00	1	50.00
Total ...	183	4.7	180	23.63	181	4.56	183	33.69	180	23.31	154	53.09
<i>Europe.</i>												
English.....	45	5.5	45	25.25	45	4.97	45	24.55	44	23.12	41	38.99
German.....	10	4.8	10	9.17	10	3.05	10	24.59	10	11.67	8	13.98
Irish.....	11	4.5	11	17.25	11	6.11	11	23.45	10	24.09	9	38.66
Polish.....	25	4.9	25	8.57	25	2.16	25	24.26	24	10.84	23	11.78
Scotch.....	87	5.6	87	13.40	87	8.08	87	26.56	86	24.83	79	55.93
Welsh.....	23	3.9	23	24.18	23	5.19	23	23.06	23	21.58	18	34.61
Total ...	201	5.2	201	16.69	201	5.96	201	25.15	197	21.66	178	41.41
Grand total.	384	5.0	381	22.33	382	5.30	384	29.22	377	22.44	332	46.83

TABLE XXII.—STEEL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	76	4.6	25	\$10.42	11	\$14.14	21	\$10.20	25	\$5.56	23	\$9.15
Austrian...	1	5.0					1	8.50	1	4.00		
Canadian...	2	4.5									1	12.00
Danish...	1	3.0					1	8.00	1	4.00		
English...	15	3.5	3	24.67	3	7.92	5	20.30	5	5.10	4	13.50
German...	22	4.6	12	4.96	5	5.30	5	27.76	7	4.39	4	7.63
Irish...	56	5.2	13	18.00	9	8.18	18	23.08	11	4.09	6	6.83
Norwegian...	1	4.0										
Polish...	3	6.0	1	18.00	1	2.35	1	2.60				
Scotch...	4	4.5	1	3.00					2	4.50		
Swedish...	2	4.5	1	3.20					1	3.00		
Total...	183	4.7	56	11.64	29	9.71	52	19.52	53	4.91	38	9.15
<i>Europe.</i>												
English...	45	5.5	7	26.42	2	24.34	16	8.28	15	3.70	43	8.69
German...	10	4.8	8	2.33							2	3.85
Irish...	11	4.5	6	7.99			4	2.54	7	9.16	6	5.86
Polish...	25	4.9	23	1.95	1	.78					8	1.30
Scotch...	87	5.6	81	6.71	4	1.83	50	3.29	53	10.01	26	4.17
Welsh...	23	3.9	3	4.10	1	1.46	5	5.46	5	5.65	20	8.22
Total...	201	5.2	128	6.66	8	7.28	75	4.46	80	8.48	105	6.67
Grand total.	384	5.0	184	8.17	37	9.19	127	10.63	133	7.06	143	7.33

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	76	4.6	53	\$6.81	63	\$3.63	02	\$23.75	67	\$7.80	34	\$13.03
Austrian...	1	5.0					1	4.00				
Canadian...	2	4.5	1	12.00	2	2.50	2	5.00	2	4.00	1	1.00
Danish...	1	3.0					1	4.50	1	3.65		
English...	15	3.5	10	6.20	13	2.46	15	34.00	14	6.23	4	4.50
German...	22	4.6	15	7.07	10	4.53	8	32.00	19	6.70	7	13.00
Irish...	50	5.2	45	9.55	29	4.40	41	6.80	38	5.46	15	12.60
Norwegian...	1	4.0	1	4.00					1	3.00	1	4.00
Polish...	3	6.0	1	10.00			2	5.00	1	3.00	1	1.50
Scotch...	4	4.5	2	7.50	2	2.00	2	20.50	3	4.33	1	2.00
Swedish...	2	4.5	1	7.00	1	2.00			1	4.00		
Total...	183	4.7	129	7.81	126	3.74	134	19.31	147	6.66	64	11.71
<i>Europe.</i>												
English...	45	5.5	16	4.05	19	3.23	26	4.55	37	4.33	25	21.22
German...	10	4.8	6	1.00	6	1.59	8	10.38	6	2.58	7	8.26
Irish...	11	4.5	10	7.28	5	4.86	7	4.35	9	3.80	9	27.98
Polish...	25	4.9	13	.95	21	.83	25	8.98	6	1.29	21	5.85
Scotch...	87	5.6	67	8.87	59	6.86	75	10.58	82	6.51	85	34.24
Welsh...	23	3.9	12	9.20	3	1.78	8	17.94	19	8.29	11	18.96
Total...	201	5.2	124	6.94	113	4.62	149	9.35	159	5.73	158	25.83
Grand total.	384	5.0	253	7.38	239	4.16	283	14.06	306	6.18	222	21.76

TABLE XXII.—STEEL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>United States</i>												
American...	76	4.6	20	\$22.85	45	\$11.25	71	\$19.80	72	\$27.92	\$236.70	\$51.55
Austrian...	1	5.0	1	104.00	1	26.00	2	6.50	1	25.00	299.00	59.80
Canadian...	2	4.5	1	24.00	2	9.75	1	25.00	2	17.50	180.75	40.17
Danish...	1	3.0	1	24.00	1	2.40	1	10.00	1	13.50	192.65	64.22
English...	15	3.5	6	19.71	12	10.65	13	19.69	14	21.75	236.57	68.24
German...	22	4.6	8	41.09	19	9.20	16	25.69	18	12.68	243.47	62.51
Irish...	56	5.2	27	24.23	51	10.17	53	20.40	56	18.15	244.78	47.27
Norwegian...	1	4.0	1	18.00	1	2.40	1	10.00	1	9.00	163.80	40.95
Polish...	3	6.0	3	21.33	3	10.67	2	10.00	3	17.33	166.82	27.80
Scotch...	4	4.5	2	27.00	4	12.55	4	83.75	3	7.67	227.28	50.51
Swedish...	2	4.5	1	36.00	2	4.90	2	7.25	1	12.00	132.85	29.52
Total...	183	4.7	70	26.55	140	10.48	165	20.43	172	21.68	236.58	50.40
<i>Europe.</i>												
English...	45	5.5	29	34.49	34	11.54	38	4.87	3	64.30	190.73	34.75
German...	10	4.8	10	8.60	9	5.16	10	17.17	10	11.48	121.37	25.29
Irish...	11	4.5	7	23.71	6	12.83	6	2.34	3	29.69	183.70	40.41
Polish...	25	4.9	25	11.18	24	3.95	25	11.29	25	11.19	111.33	22.63
Scotch...	87	5.6	22	43.18	18	14.25	48	11.04	36	30.50	231.70	41.05
Welsh...	23	3.9	14	22.89	12	16.55	21	2.91	8	58.67	184.08	47.04
Total...	201	5.2	107	26.19	103	10.35	148	8.41	85	26.40	193.99	37.17
Grand total.	384	5.0	177	26.33	243	10.42	313	14.75	257	23.24	214.29	43.13

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house	Expenditure per family for—				Income per family from—		Balance per family.			
	To- tal.	Aver- age size.		Rent.	Food.	Other pur- poses.	All pur- poses.	Hns- band.	All sources.	Surplus.		Deficit.	
										Fam- ilies.	Aver- age.	Fam- ilies.	Aver- age.
<i>United States</i>													
American ..	76	4.6	12	\$84.70	\$238.06	\$236.70	\$546.09	\$678.19	\$723.29	57	\$258.63	19	\$67.08
Austrian...	1	5.0	.....	96.00	215.32	209.00	610.32	600.00	600.00	.....		1	10.32
Canadian ..	2	4.5	.....	85.50	239.76	180.75	506.01	616.25	616.25	1	236.00	1	15.52
Danish .....	1	3.0	.....	84.00	229.10	192.65	505.75	600.00	600.00	1	94.25	.....	
English .....	15	3.5	4	72.50	237.32	236.57	522.22	573.41	595.81	13	93.93	2	58.68
German .....	22	4.6	2	07.10	253.18	243.47	584.93	629.97	637.07	12	271.19	10	98.74
Irish .....	56	5.2	8	88.77	283.85	244.78	604.71	441.32	610.16	25	112.88	31	81.20
Norwegian ..	1	4.0	.....	90.00	334.80	163.80	588.60	620.00	620.00	1	31.40	.....	
Polish .....	3	6.0	1	63.00	248.32	166.82	457.13	326.83	424.83	1	50.05	2	73.48
Scotch .....	4	4.5	.....	82.50	246.02	227.28	555.80	624.79	780.79	4	224.99	.....	
Swedish .....	2	4.5	1	66.00	204.40	132.85	370.25	310.00	385.00	2	14.75	.....	
Total...	183	4.7	28	86.44	254.18	236.58	563.50	578.52	663.56	117	199.83	66	76.81
<i>Europe.</i>													
English .....	45	5.5	6	50.70	203.38	190.73	443.05	433.20	487.12	22	92.15	2	22.00
German .....	10	4.8	.....	9.11	124.96	121.37	255.44	242.50	253.37	5	23.45	5	27.58
Irish .....	11	4.5	.....	45.10	224.86	183.70	453.66	367.14	483.06	6	56.65	1	16.54
Polish .....	25	4.9	.....	9.93	129.63	111.33	250.89	227.85	248.83	11	11.91	13	14.05
Scotch .....	87	5.6	1	51.08	338.90	231.70	621.08	574.92	698.32	56	123.10	7	24.86
Welsh .....	23	3.9	3	33.51	184.78	184.08	398.00	319.51	426.44	10	69.55	1	41.35
Total...	201	5.2	10	41.23	249.13	193.99	482.30	442.89	530.10	110	92.77	29	20.57
Grand total.	384	5.0	38	61.41	251.54	214.29	521.00	507.52	593.70	227	147.95	95	59.64



TABLE XXII.—STEEL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Concluded.

## G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditnre per individual for—				Income per indi- vidual.
	Total.	Aver- age size.		Rent.	Food.	Other purposes.	All purposes.	
<i>United States.</i>								
American.....	76	4.6	12	\$18.89	\$51.84	\$51.55	\$118.92	\$157.51
Anstrian.....	1	5.0	.....	19.20	43.06	59.80	122.06	120.00
Canadian.....	2	4.5	.....	19.00	53.28	40.17	112.45	136.94
Danish.....	1	3.0	.....	28.00	76.37	64.22	168.59	200.00
English.....	15	3.5	4	21.97	68.46	68.24	150.64	171.87
German.....	22	4.6	2	20.66	54.61	52.51	126.16	148.38
Irish.....	56	5.2	8	17.32	54.81	47.27	116.77	117.82
Norwegian.....	1	4.0	.....	22.50	83.70	40.95	147.15	155.00
Polish.....	3	6.0	1	10.50	41.39	27.80	76.19	70.81
Scotch.....	4	4.5	.....	18.33	54.67	50.51	123.51	173.51
Swedish.....	2	4.5	1	11.00	45.42	29.52	82.28	85.56
Total.....	183	4.7	28	18.57	54.15	50.40	120.05	141.36
<i>Europe.</i>								
English.....	45	5.5	6	9.24	37.96	34.75	80.72	88.75
German.....	10	4.8	.....	1.90	26.03	25.29	53.22	52.79
Irish.....	11	4.5	.....	9.92	49.47	40.41	99.80	106.27
Polish.....	25	4.9	.....	2.02	26.35	22.63	51.00	50.58
Scotch.....	87	5.6	1	9.09	60.05	41.05	110.05	123.73
Welsh.....	23	3.9	3	8.94	47.22	47.04	101.71	108.98
Total.....	201	5.2	10	7.93	47.74	37.17	92.41	101.57
Grand total.....	384	5.0	38	12.39	50.62	43.13	104.85	119.49

## H.—SUMMARY OF MEANS OF SUPPORT.

[Two other natural combinations suggest themselves as lacking in this table, *i. e.*, Husband and wife and Husband and children, but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of Husband, wife, and children consists of Husband and children.]

		The family supported by earnings of—							
Nationality of husband.	Total families.	Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other sources.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
<i>United States.</i>									
American.....	76	42	14	2	3	12	2	1	.....
Austrian.....	1	.....	1	.....	.....	.....	.....	.....	.....
Canadian.....	2	1	1	.....	.....	.....	.....	.....	.....
Danish.....	1	1	.....	.....	.....	.....	.....	.....	.....
English.....	15	10	2	.....	.....	3	1	.....	.....
German.....	22	10	7	.....	2	2	1	.....	.....
Irish.....	56	13	11	3	12	7	4	2	4
Norwegian.....	1	1	.....	.....	.....	.....	.....	.....	.....
Polish.....	3	.....	.....	.....	.....	1	1	.....	1
Scotch.....	4	2	.....	1	.....	.....	.....	.....	.....
Swedish.....	2	1	.....	1	.....	.....	.....	.....	.....
Total.....	183	81	36	7	17	26	8	3	5
<i>Europe.</i>									
English.....	45	a 24	2	b 12	.....	c 6	.....	1	.....
German.....	10	4	3	1	1	.....	1	.....	.....
Irish.....	11	d 2	1	4	.....	e 3	.....	d 1	.....
Polish.....	25	d 11	8	1	2	.....	2	.....	1
Scotch.....	87	a 25	4	e 24	1	c 19	2	d 12	.....
Welsh.....	23	f 8	1	g 9	.....	e 2	.....	3	.....
Total.....	201	h 74	19	i 51	4	j 30	5	e 17	1
Grand total.....	384	h 155	55	i 58	21	j 56	13	e 20	6

a In eleven cases expenditure equals income.

b In four cases expenditure equals income.

c In six cases expenditure equals income.

d In one case expenditure equals income.

e In two cases expenditure equals income.

f In seven cases expenditure equals income.

g In three cases expenditure equals income.

h In thirty-one cases expenditure equals income.

i In thirteen cases expenditure equals income.

j In sixteen cases expenditure equals income.

**TABLE XXII.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES.****A.—SUMMARY OF CONDITION AS TO CHILDREN.**

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition nnkn.	Total children.	Average children per family.	Families with out children.	Total families.
	Fam-ilies.	Chil-dren.	Aver-age.	Fam-ilies.	Chil-dren.	Aver-age.	Fam-ilies.	Chil-dren.	Aver-age.					
<i>United States</i>														
American...	41	63	1.5	61	131	2.1	143	291	2.0	70	555	3.4	31	196
Austrian...							1	2	2.0		2	2.0		1
Belgian...	1	1	1.0	2	3	1.5	2	3	1.5		7	3.5		2
Canadian...	1	1	1.0	1	1	1.0	1	1	1.0		3	3.0		1
Danish...							3	7	2.3		7	2.3		3
English...	31	46	1.5	26	45	1.8	67	163	2.4	3	257	3.3	7	85
French...	4	7	1.8	4	6	1.5	8	18	2.3	3	34	2.8	1	13
German...	26	38	1.5	31	60	2.1	44	97	2.2	6	207	4.0	8	60
Hungarian...	1	1	1.0	3	5	1.7	2	2	1.0		8	2.7		3
Irish...	20	39	2.0	24	52	2.2	30	63	2.1	7	161	4.2	7	45
Italian...							1	1	1.0		1	1.0		1
Scotch...	16	28	1.8	7	15	2.1	30	101	3.4	5	149	5.0	4	34
Swedish...							2	4	2.0		4	2.0		2
Swiss...				1	2	2.0	3	7	2.3		9	3.0		3
Welsh...	30	49	1.6	17	28	1.6	46	130	2.8		207	3.7	3	59
<b>Total....</b>	<b>171</b>	<b>273</b>	<b>1.6</b>	<b>176</b>	<b>354</b>	<b>2.0</b>	<b>383</b>	<b>890</b>	<b>2.3</b>	<b>94</b>	<b>1,611</b>	<b>3.6</b>	<b>61</b>	<b>508</b>
<i>Europe.</i>														
Belgian...	5	12	2.4	8	19	2.4	5	8	1.6	1	40	4.4	1	10
English...	50	83	1.7	91	208	2.3	84	140	1.7	5	436	3.7	5	124
German...	7	9	1.3	13	32	2.5	15	32	2.1	1	74	4.4	1	18
Irish...	3	6	2.0	3	7	2.3	1	1	1.0		14	3.5		4
Italian...	1	3	3.0	1	2	2.0	1	2	2.0		7	7.0		1
Scotch...	1	1	1.0	1	3	3.0	1	2	2.0		6	6.0		1
Welsh...	15	23	1.5	23	47	2.0	23	31	1.3		101	3.3	5	36
<b>Total....</b>	<b>82</b>	<b>137</b>	<b>1.7</b>	<b>140</b>	<b>318</b>	<b>2.3</b>	<b>130</b>	<b>216</b>	<b>1.7</b>	<b>7</b>	<b>678</b>	<b>3.7</b>	<b>12</b>	<b>194</b>
<b>Grand total.</b>	<b>253</b>	<b>410</b>	<b>1.6</b>	<b>316</b>	<b>672</b>	<b>2.1</b>	<b>513</b>	<b>1,106</b>	<b>2.2</b>	<b>101</b>	<b>2,289</b>	<b>3.6</b>	<b>73</b>	<b>702</b>

**B.—SUMMARY OF SOURCES OF INCOME.**

Nationality of husband.	Families—						Income—						Per individual.
	Total.	Average size.	With income from—				Per family from—						
			Husbands.	Wives.	Children.	Boarders, etc.	Husbands.	Wives.	Children.	Boarders, etc.	Average.		
<i>Unit. States.</i>													
American...	196	4.9	196	5	38	34	\$419.88	\$133.00	\$266.71	\$106.30	\$493.42	\$99.70	
Austrian ..	1	4.0	1				428.26				428.26	107.07	
Belgian ....	2	5.5	2			1	392.56			90.00	437.56	79.56	
Canadian ....	1	5.0	1		1		375.25		150.00		525.25	105.05	
Danish .....	3	4.3	3			2	397.52			19.50	410.52	94.73	
English.....	85	5.2	85		28	18	418.04		316.00	164.59	556.99	106.87	
French .....	13	4.8	13	1	3	5	391.05	100.00	407.00	169.60	557.89	115.12	
German.....	60	5.6	60	1	10	11	453.27	100.00	355.54	181.49	547.47	98.35	
Hungarian...	3	4.7	3			1	443.36			42.60	457.56	98.05	
Irish.....	45	5.8	45	2	16	10	441.39	302.00	301.09	179.29	601.71	103.74	
Italian.....	1	3.0	1				465.00				465.00	155.00	
Scotch.....	34	6.5	34		15	6	498.73		521.97	108.63	748.18	115.10	
Swedish.....	2	4.0	2				385.00				385.00	96.25	
Swiss.....	3	5.0	3				378.75				378.75	75.75	
Welsh.....	59	5.7	59		29	16	396.06		331.84	193.06	611.52	106.43	
Total...	508	5.3	508	9	140	104	426.73	163.22	329.86	145.45	550.30	103.39	
<i>Europe.</i>													
Belgian.....	10	6.0	10		5		291.50		270.10		426.55	71.09	
English.....	124	5.5	124	1	50	8	385.98	131.40	270.01	34.07	498.12	90.57	
German.....	18	7.1	18		7	11	257.51		165.11	114.17	391.49	55.49	
Irish.....	4	5.5	4		3		403.92		415.27		715.38	130.07	
Italian.....	1	9.0	1		1		202.45		301.73		504.18	56.02	
Scotch.....	1	8.0	1		1		408.79		48.67		457.46	57.18	
Welsh.....	36	4.9	36		15	3	345.72		220.26	291.01	461.74	93.91	
Total...	194	5.6	194	1	82	22	361.26	131.40	254.96	109.16	482.08	86.20	
Grand total	702	5.4	702	10	222	126	408.64	160.04	302.19	139.11	531.45	98.46	

**TABLE XXII.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.****C.—SUMMARY OF EXPENDITURE FOR RENT.**

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families	Rooms per family.		Family.	Individual.
<i>United States.</i>								
American.....	196	4.9	34	135	3.5	27	\$55.01	\$11.52
Austrian.....	1	4.0	1	.....	.....	.....	.....	.....
Belgian.....	2	5.5	.....	2	2.5	.....	46.50	8.45
Canadian.....	1	5.0	.....	1	6.0	.....	57.00	11.40
Danish.....	3	4.3	3	.....	.....	.....	.....	.....
English.....	85	5.2	22	58	4.0	5	63.06	11.79
French.....	13	4.8	3	10	3.4	.....	59.00	10.93
German.....	60	5.6	31	27	3.3	2	60.93	11.92
Hungarian.....	3	4.7	2	1	4.0	.....	81.00	16.80
Irish.....	45	5.8	17	26	4.4	2	65.64	11.71
Italian.....	1	3.0	1	.....	.....	.....	.....	.....
Scotch.....	34	6.5	8	26	4.4	.....	71.73	11.10
Swedish.....	2	4.0	1	1	3.0	.....	48.00	12.00
Swiss.....	3	5.0	.....	3	4.0	.....	60.00	12.00
Welsh.....	59	5.7	11	45	4.8	3	72.19	12.98
Total.....	508	5.3	134	335	3.9	39	61.19	11.76
<i>Europe.</i>								
Belgian.....	10	6.0	1	6	3.3	3	18.96	3.10
English.....	124	5.5	1	123	4.0	.....	49.69	9.04
German.....	18	7.1	.....	18	3.3	.....	38.64	5.48
Irish.....	4	5.5	.....	4	4.3	.....	50.61	9.20
Italian.....	1	9.0	.....	1	3.0	.....	47.45	5.27
Scotch.....	1	8.0	.....	1	4.0	.....	50.61	6.33
Welsh.....	36	4.9	.....	36	3.4	.....	39.57	8.05
Total.....	194	5.6	2	189	3.8	3	45.47	8.13
Grand total.....	702	5.4	136	524	3.8	42	55.84	10.47

**D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)**

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States.</i>	196	4.0	41	\$25.61	54	\$25.23	184	\$48.75	11	\$7.55	12	\$3.97	96	\$9.85
American.....	1	4.0	.....	.....	.....	.....	1	51.79	.....	.....	.....	.....	.....	.....
Austrian.....	2	5.5	.....	.....	.....	.....	2	45.00	.....	.....	.....	.....	1	5.40
Belgian.....	1	5.0	.....	.....	.....	.....	1	100.00	.....	.....	.....	.....	.....	.....
Canadian.....	3	4.3	.....	.....	.....	.....	3	50.67	.....	.....	.....	.....	.....	.....
Danish.....	85	5.2	6	37.67	15	26.98	82	68.89	3	7.33	3	4.52	30	12.81
English.....	13	4.8	1	50.00	2	33.03	12	81.08	.....	.....	.....	.....	2	8.70
French.....	60	5.6	1	36.00	10	17.59	60	67.44	1	5.00	5	4.68	14	11.46
German.....	3	4.7	.....	.....	.....	.....	3	68.50	.....	.....	.....	.....	1	17.40
Hungarian.....	45	5.8	2	26.00	0	19.13	44	80.24	2	6.00	0	7.80	26	13.22
Irish.....	1	3.0	.....	.....	.....	.....	1	70.00	.....	.....	.....	.....	.....	.....
Italian.....	34	6.5	7	29.43	7	27.86	33	81.94	2	12.50	.....	.....	12	12.80
Scotch.....	2	4.0	.....	.....	.....	.....	2	42.00	.....	.....	.....	.....	.....	.....
Swedish.....	3	5.0	.....	.....	.....	.....	3	49.00	.....	.....	.....	.....	2	18.65
Swiss.....	59	5.7	.....	.....	6	39.15	59	73.45	.....	.....	.....	.....	25	14.45
Welsh.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	508	5.3	58	27.03	103	25.35	490	63.48	10	7.74	29	5.84	209	11.61
<i>Europe.</i>	10	6.0	9	34.59	3	7.18	1	69.48	.....	.....	.....	.....	5	4.73
Belgian.....	124	5.5	.....	.....	113	17.37	124	70.47	.....	.....	21	10.32	114	9.80
English.....	18	7.1	8	35.94	8	34.63	10	51.12	.....	.....	.....	.....	6	6.79
German.....	4	5.5	.....	.....	4	22.15	4	85.04	.....	.....	2	18.98	3	14.03
Irish.....	1	9.0	.....	.....	1	37.96	1	75.92	.....	.....	.....	.....	1	9.73
Italian.....	1	8.0	.....	.....	1	6.33	1	55.96	.....	.....	1	2.11	1	12.65
Scotch.....	36	4.9	.....	.....	34	17.01	36	69.30	.....	.....	2	8.48	30	10.20
Welsh.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Total.....	194	5.6	17	35.23	164	18.12	177	69.43	.....	.....	26	10.53	160	9.77
Grand total.....	702	5.4	75	29.58	267	20.91	667	65.06	19	7.74	55	7.70	369	10.81



TABLE XXII.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	196	4.9	82	\$9.56	156	\$21.08	46	\$5.89	125	\$5.78	176	\$11.10	191	\$19.07
Austrian...	1	4.0					1	4.23	1	2.53	1	18.34	1	19.24
Belgian...	2	5.5	1	18.25	2	27.30					2	16.23	2	12.13
Canadian...	1	5.0			1	43.20			1	3.00	1	12.50	1	36.00
Danish...	3	4.3			2	18.50			3	7.00	3	13.71	3	13.00
English...	85	5.2	39	11.05	72	26.44	21	9.83	78	10.44	53	7.10	85	22.48
French...	13	4.8	5	13.34	11	22.50	5	6.78	9	4.14	11	17.49	13	18.87
German...	60	5.6	23	12.57	41	24.79	20	6.97	47	5.49	57	14.54	60	18.81
Hungarian...	3	4.7			1	26.00	1	6.70	2	4.45	3	13.87	3	21.67
Irish...	45	5.8	26	12.75	36	31.09	11	6.67	37	11.68	36	10.70	44	24.96
Italian...	1	3.0	1	18.25	1	20.80							1	24.00
Scotch...	34	6.5	15	17.52	27	38.71	9	9.42	25	14.40	14	8.33	34	29.91
Swedish...	2	4.0	2	7.00	2	26.40			2	5.40	2	4.60	2	12.00
Swiss...	3	5.0	3	15.33	3	9.73	2	17.30	2	5.00	3	5.01	3	14.00
Welsh...	59	5.7	32	11.02	54	35.81	17	13.35	50	11.88	28	7.77	58	26.47
Total...	508	5.3	229	11.41	409	26.45	133	8.13	382	8.57	390	10.88	501	21.66
<i>Europe.</i>														
Belgian...	10	6.0	8	8.98	10	49.20					10	16.13	7	4.44
English...	124	5.5	119	17.00	121	21.89	2	4.77	120	15.12	19	5.24	120	10.43
German...	18	7.1	10	7.48	15	26.78	1	4.99			14	19.16	13	2.47
Irish...	4	5.5	4	19.71	4	22.14			4	18.92			4	13.85
Italian...	1	9.0	1	12.65	1	18.25			1	23.20			1	20.28
Scotch...	1	8.0	1	21.90	1	31.63			1	14.60			1	12.65
Welsh...	36	4.9	34	14.42	36	22.39			36	18.55	1	3.65	36	8.65
Total...	194	5.6	177	15.67	188	23.87	3	4.84	162	16.03	44	12.11	182	9.42
Grand total.	702	5.4	406	13.27	597	25.64	136	8.06	544	10.79	434	11.00	683	18.40

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	196	4.9	80	\$4.44	117	\$10.15	194	\$34.81	14	\$3.46	24	\$3.36	75	\$5.93
Austrian...	1	4.0					1	49.29			1	3.54	1	1.05
Belgian...	2	5.5					2	34.40						
Canadian...	1	5.0	1	5.00	1	24.00	1	38.35			1	3.00		
Danish...	3	4.3			2	6.58	3	28.80						
English...	85	5.2	24	5.13	49	10.81	85	39.73	4	2.50	8	5.09	24	10.51
French...	13	4.8	1	4.20	11	10.55	13	40.74	1	3.00	1	5.20	2	6.13
German...	60	5.6	13	3.27	32	8.48	60	44.70	4	3.14	10	4.98	19	6.22
Hungarian...	3	4.7	2	3.27	1	8.30	3	37.60			1	3.25		
Irish...	45	5.8	13	3.78	25	9.79	44	47.53	14	4.27	9	5.27	16	7.00
Italian...	1	3.0					1	19.20						
Scotch...	34	6.5	8	4.26	23	12.90	34	55.19	3	7.27	1	8.50	7	11.89
Swedish...	2	4.0			1	8.00	2	30.00						
Swiss...	3	5.0	2	3.30	2	10.00	3	21.23			1	2.40	2	2.50
Welsh...	59	5.7	11	7.23	40	10.90	59	44.40			9	4.79	12	8.41
Total...	508	5.3	155	4.56	304	10.38	505	40.45	40	3.89	66	4.35	158	7.17
<i>Europe.</i>														
Belgian...	10	6.0			6	7.46	10	63.79						
English...	124	5.5	10	3.24	109	6.53	124	36.46	13	27.76				
German...	18	7.1			4	16.39	11	21.67	14	42.43	4	1.28	6	12.49
Irish...	4	5.5			2	9.49	4	43.50						
Italian...	1	9.0			1	24.33	1	58.40						
Scotch...	1	8.0					1	39.74						
Welsh...	36	4.9	6	2.57	31	4.90	36	33.83	5	20.14			1	6.33
Total...	194	5.6	16	2.99	153	6.65	187	37.09	32	32.99	4	1.28	7	11.61
Grand total.	702	5.4	171	4.41	457	9.13	692	39.54	72	16.82	70	4.18	165	7.36

TABLE XXII.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>United States</i>												
American...	196	4.9	164	\$8.69	84	\$7.31	15	\$1.55	190	\$27.43	\$200.34	\$40.48
Austrian...	1	4.0					1	1.40	1	34.49	185.70	46.43
Belgian...	2	5.5	1	19.50					2	36.25	190.18	34.58
Canadian...	1	5.0	1	7.50					1	15.00	292.95	58.59
Danish...	3	4.3	3	6.40					3	52.47	188.76	43.56
English...	85	5.2	71	11.74	42	9.88	5	1.65	85	39.65	250.62	48.09
French...	13	4.8	11	10.70	3	7.07			13	38.25	248.92	51.36
German...	60	5.6	36	10.26	12	8.27	10	1.30	60	37.81	233.89	42.02
Hungarian...	3	4.7	2	12.75					3	35.82	211.65	45.35
Irish...	45	5.8	30	12.47	21	9.79	14	1.60	45	29.82	270.41	46.62
Italian...	1	3.0	1	9.00	1	12.00			1	19.84	193.09	64.36
Scotch...	34	6.5	32	12.69	22	12.10			32	55.75	321.97	49.53
Swedish...	2	4.0	2	9.30	1	7.00			2	26.93	171.13	42.78
Swiss...	3	5.0	3	10.33	3	4.33			3	8.00	175.61	35.12
Welsh...	59	5.7	55	12.56	37	11.83	1	2.25	58	40.39	280.37	48.80
<b>Total...</b>	<b>508</b>	<b>5.3</b>	<b>412</b>	<b>10.55</b>	<b>226</b>	<b>9.25</b>	<b>46</b>	<b>1.54</b>	<b>499</b>	<b>34.67</b>	<b>237.44</b>	<b>44.61</b>
<i>Europe.</i>												
Belgian...	10	6.0	9	17.63	3	.32	2	.56	9	11.90	208.26	36.38
English...	124	5.5	118	9.59	96	4.86			123	25.38	244.50	44.46
German...	18	7.1	17	16.20	18	7.15	2	2.26	18	15.55	193.60	27.44
Irish...	4	5.5	4	11.34	3	2.51			4	32.20	296.38	53.89
Italian...	1	9.0	1	14.60	1	14.60			1	14.60	324.52	36.06
Scotch...	1	8.0	1	6.57					1	21.57	225.71	28.21
Welsh...	36	4.9	36	9.62	17	4.95			36	34.49	245.54	49.94
<b>Total...</b>	<b>194</b>	<b>5.6</b>	<b>186</b>	<b>10.64</b>	<b>138</b>	<b>5.09</b>	<b>4</b>	<b>1.41</b>	<b>192</b>	<b>25.60</b>	<b>240.01</b>	<b>42.91</b>
<b>Grand total.</b>	<b>702</b>	<b>5.4</b>	<b>598</b>	<b>10.58</b>	<b>364</b>	<b>7.68</b>	<b>50</b>	<b>1.53</b>	<b>691</b>	<b>32.15</b>	<b>238.15</b>	<b>44.12</b>

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	196	4.9	174	\$16.09	196	\$4.12	196	\$38.90	195	\$23.80	162	\$51.18
Austrian...	1	4.0	1	17.50	1	2.03	1	11.50	1	6.00	1	15.00
Belgian...	2	5.5	1	7.50	2	1.10	2	15.55	2	4.35	2	32.70
Canadian...	1	5.0	1	21.00	1	3.60	1	25.00	1	10.00	1	50.00
Danish...	3	4.3	3	7.08	3	3.79	3	32.60	3	19.67	3	14.93
English...	85	5.2	73	14.71	85	4.72	85	31.44	85	17.40	79	49.14
French...	13	4.8	9	9.74	13	2.23	13	21.88	13	13.52	12	37.63
German...	60	5.6	47	16.45	60	3.07	60	28.57	60	14.52	49	60.03
Hungarian...	3	4.7	2	8.00	3	2.67	3	24.17	3	9.67	3	20.00
Irish...	45	5.8	38	19.61	45	4.21	45	31.62	45	18.86	38	90.07
Italian...	1	3.0	1	20.00	1	4.80	1	55.00	1	60.00	1	15.00
Scotch...	34	6.5	30	12.24	34	7.45	34	37.55	34	23.39	30	97.69
Swedish...	2	4.0	2	9.00	2	3.69	2	26.00	2	11.00	2	24.00
Swiss...	3	5.0	3	20.00	3	1.70	3	28.33	3	13.33	3	23.33
Welsh...	59	5.7	55	15.93	59	4.70	59	30.18	59	17.91	56	62.27
<b>Total...</b>	<b>508</b>	<b>5.3</b>	<b>440</b>	<b>15.63</b>	<b>508</b>	<b>4.30</b>	<b>508</b>	<b>33.87</b>	<b>507</b>	<b>19.92</b>	<b>442</b>	<b>58.31</b>
<i>Europe.</i>												
Belgian...	10	6.0	9	14.42	10	3.75	10	18.41	10	9.17	9	35.25
English...	124	5.5	120	14.95	122	5.71	123	18.44	120	15.55	119	33.48
German...	18	7.1	18	10.66	18	3.40	18	17.28	18	9.86	17	38.58
Irish...	4	5.5	4	16.24	4	5.24	4	17.03	4	15.21	4	41.37
Italian...	1	9.0	1	12.16	1	4.87	1	12.16	1	9.73	1	58.40
Scotch...	1	8.0	1	19.47	1	4.87	1	14.60	1	14.60	1	48.67
Welsh...	36	4.9	36	16.89	36	4.19	36	16.09	35	14.18	31	30.09
<b>Total...</b>	<b>194</b>	<b>5.6</b>	<b>189</b>	<b>14.92</b>	<b>192</b>	<b>5.08</b>	<b>193</b>	<b>17.81</b>	<b>189</b>	<b>14.37</b>	<b>182</b>	<b>33.86</b>
<b>Grand total.</b>	<b>702</b>	<b>5.4</b>	<b>629</b>	<b>15.46</b>	<b>700</b>	<b>4.52</b>	<b>701</b>	<b>29.45</b>	<b>696</b>	<b>18.42</b>	<b>624</b>	<b>51.18</b>



**TABLE XXII.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.****E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

Nationality of husband.	Families.		Pit expenses.		Taxes.		Insurance.				Organizations.			
							Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	196	4.9	51	\$33.50	152	\$5.01	22	\$3.50	4	\$19.77	92	\$6.59	75	\$9.01
Austrian...	1	4.0	1	25.65	1	4.56	—	—	—	—	—	—	—	—
Belgian...	2	5.5	2	27.76	1	1.58	—	—	—	—	—	—	1	2.10
Canadian...	1	5.0	—	—	1	3.00	—	—	—	—	1	6.00	1	4.60
Danish...	3	4.3	—	—	3	6.55	2	6.07	—	—	1	6.50	—	—
English...	85	5.2	19	37.66	62	4.78	12	4.40	3	11.27	46	5.24	46	6.96
French...	13	4.8	9	19.20	10	6.08	4	2.71	—	—	5	5.40	5	2.76
German...	60	5.6	23	34.79	54	5.75	23	2.82	7	18.40	25	3.85	20	5.85
Hungarian...	3	4.7	3	39.84	2	7.10	2	1.80	—	—	—	—	1	3.50
Irish...	45	5.8	4	52.25	32	5.06	9	4.24	—	—	26	4.33	11	5.89
Italian...	1	3.0	—	—	1	.52	—	—	—	—	1	3.00	—	—
Scotch...	84	6.5	8	79.87	32	4.40	2	4.25	1	6.00	21	4.38	11	13.44
Swedish...	2	4.0	—	—	2	4.60	—	—	—	—	2	3.00	1	5.20
Swiss...	3	5.0	—	—	—	—	—	—	—	—	2	4.00	—	—
Welsh...	59	5.7	9	42.17	46	6.18	8	5.01	2	7.60	42	4.24	31	9.13
<b>Total...</b>	<b>508</b>	<b>5.3</b>	<b>134</b>	<b>37.31</b>	<b>399</b>	<b>5.19</b>	<b>84</b>	<b>3.66</b>	<b>17</b>	<b>15.45</b>	<b>264</b>	<b>5.24</b>	<b>203</b>	<b>8.07</b>
<i>Europe.</i>														
Belgian...	10	6.0	—	—	1	1.54	7	.97	—	—	4	2.17	—	—
English...	124	5.5	—	—	1	19.47	1	1.22	107	11.08	73	7.06	91	6.92
German...	18	7.1	3	7.54	18	3.71	3	1.70	12	13.51	10	1.09	10	1.97
Irish...	4	5.5	—	—	—	—	—	—	3	7.03	3	25.31	4	10.14
Italian...	1	9.0	—	—	—	—	—	—	—	—	—	—	—	—
Scotch...	1	8.0	—	—	—	—	—	—	1	6.33	—	—	1	7.33
Welsh...	36	4.9	—	—	—	—	—	—	34	11.46	19	5.74	20	5.29
<b>Total...</b>	<b>194</b>	<b>5.6</b>	<b>3</b>	<b>7.54</b>	<b>20</b>	<b>4.39</b>	<b>11</b>	<b>1.19</b>	<b>157</b>	<b>11.24</b>	<b>109</b>	<b>6.61</b>	<b>126</b>	<b>6.38</b>
<b>Grand total.</b>	<b>702</b>	<b>5.4</b>	<b>137</b>	<b>36.65</b>	<b>419</b>	<b>5.15</b>	<b>95</b>	<b>3.37</b>	<b>174</b>	<b>11.65</b>	<b>373</b>	<b>5.64</b>	<b>329</b>	<b>7.42</b>

**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	196	4.9	113	\$4.62	153	\$4.93	147	\$25.18	151	\$4.47	86	\$10.71
Austrian...	1	4.0	—	—	1	1.75	—	—	—	—	—	—
Belgian...	2	5.5	1	3.50	1	2.50	1	1.00	1	.40	—	—
Canadian...	1	5.0	—	—	1	3.25	—	—	1	.25	1	8.00
Danish...	3	4.3	1	3.00	1	5.00	2	23.25	2	3.38	1	3.00
English...	85	5.2	45	9.01	58	4.86	66	25.31	68	5.73	30	10.69
French...	13	4.8	6	5.33	10	3.43	10	12.07	11	4.16	2	10.00
German...	60	5.6	40	6.87	52	3.18	39	21.98	48	4.15	12	7.25
Hungarian...	3	4.7	3	4.33	3	1.83	2	5.65	3	2.00	—	—
Irish...	45	5.8	38	0.93	38	4.36	21	21.00	38	5.72	13	8.38
Italian...	1	3.0	1	12.00	1	4.50	1	13.00	1	16.00	1	12.00
Scotch...	34	6.5	23	6.61	32	4.02	30	25.87	28	7.63	20	11.55
Swedish...	2	4.0	1	4.00	1	4.00	2	9.70	2	4.50	—	—
Swiss...	3	5.0	—	—	3	4.00	1	35.00	3	5.33	—	—
Welsh...	59	5.7	42	9.07	52	4.37	47	18.41	51	7.22	26	13.07
<b>Total...</b>	<b>508</b>	<b>5.3</b>	<b>314</b>	<b>6.94</b>	<b>407</b>	<b>4.41</b>	<b>369</b>	<b>23.19</b>	<b>408</b>	<b>5.30</b>	<b>192</b>	<b>10.68</b>
<i>Europe.</i>												
Belgian...	10	6.0	4	.51	5	.52	10	9.07	4	1.38	6	8.21
English...	124	5.5	62	3.73	49	2.42	114	4.82	120	4.24	83	14.54
German...	18	7.1	15	1.11	13	.71	18	5.17	17	2.77	5	4.28
Irish...	4	5.5	2	24.33	2	8.52	4	7.91	4	8.27	4	53.53
Italian...	1	9.0	—	—	—	—	—	—	—	—	1	2.43
Scotch...	1	8.0	1	2.43	1	1.22	1	2.43	1	3.16	1	19.47
Welsh...	36	4.9	17	5.62	19	2.39	27	4.23	33	3.90	22	10.44
<b>Total...</b>	<b>194</b>	<b>5.6</b>	<b>101</b>	<b>3.96</b>	<b>89</b>	<b>2.18</b>	<b>174</b>	<b>5.07</b>	<b>179</b>	<b>3.89</b>	<b>122</b>	<b>14.29</b>
<b>Grand total.</b>	<b>702</b>	<b>5.4</b>	<b>415</b>	<b>6.22</b>	<b>496</b>	<b>4.01</b>	<b>543</b>	<b>17.39</b>	<b>587</b>	<b>4.87</b>	<b>314</b>	<b>12.08</b>



**TABLE XXII.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.****E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)**

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<b>United States</b>												
American...	196	4.9	106	\$11.22	168	\$10.22	180	\$19.30	195	\$24.68	\$233.86	\$47.25
Austrian...	1	4.0	1	13.00	1	5.30	1	3.50	1	21.40	127.19	31.80
Belgian...	2	5.5	1	2.00	2	4.00	1	3.00	2	32.50	129.75	23.59
Canadian...	1	5.0	1	5.00	1	10.00	1	12.00	1	6.00	167.70	33.54
Danish...	3	4.3	2	8.00	3	6.93	3	11.83	3	16.70	133.05	35.32
English...	85	5.2	54	19.25	65	8.98	78	19.39	83	33.55	237.92	45.65
French...	13	4.8	10	21.27	11	5.77	10	30.43	13	32.02	197.15	40.68
German...	60	5.6	50	20.65	54	6.93	48	18.25	60	29.88	230.58	41.42
Hungarian...	3	4.7	3	34.42	3	6.17	3	3.83	3	25.27	190.06	40.73
Irish...	45	5.8	27	19.75	41	11.50	39	20.15	45	27.22	256.48	44.22
Italian...	1	3.0	1	25.00	1	13.20	1	15.00	1	30.00	299.02	99.67
Scotch...	34	6.5	19	43.32	30	10.93	31	24.68	33	29.05	325.08	50.01
Swedish...	2	4.0	.....	.....	2	4.50	2	14.00	2	23.40	143.99	36.00
Swiss...	3	5.0	3	9.67	3	4.47	3	8.00	3	32.00	164.50	32.90
Welsh...	59	5.7	31	18.32	51	8.25	53	19.98	59	44.60	264.05	45.96
<b>Total...</b>	<b>508</b>	<b>5.3</b>	<b>309</b>	<b>18.09</b>	<b>436</b>	<b>9.30</b>	<b>457</b>	<b>19.03</b>	<b>506</b>	<b>29.84</b>	<b>242.71</b>	<b>45.60</b>
<b>Europe.</b>												
Belgian...	10	6.0	9	26.50	10	5.39	10	4.34	10	11.60	137.93	22.09
English...	124	5.5	101	23.97	109	10.81	109	7.30	50	15.60	166.83	30.33
German...	18	7.1	16	11.48	16	3.86	13	21.08	9	8.54	137.15	19.44
Irish...	4	5.5	4	31.27	3	10.87	3	15.30	1	4.87	267.73	48.68
Italian...	1	9.0	.....	.....	.....	.....	1	1.05	.....	.....	100.80	11.20
Scotch...	1	8.0	1	12.65	1	6.33	1	43.80	.....	.....	207.41	25.93
Welsh...	36	4.9	31	17.50	25	10.87	34	4.28	5	18.20	142.14	28.91
<b>Total...</b>	<b>194</b>	<b>5.6</b>	<b>162</b>	<b>21.76</b>	<b>174</b>	<b>9.85</b>	<b>162</b>	<b>7.92</b>	<b>75</b>	<b>14.25</b>	<b>159.66</b>	<b>28.60</b>
<b>Grand total.</b>	<b>702</b>	<b>5.4</b>	<b>471</b>	<b>19.35</b>	<b>610</b>	<b>9.46</b>	<b>619</b>	<b>16.56</b>	<b>581</b>	<b>27.83</b>	<b>219.84</b>	<b>40.73</b>

**F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplus.	Deficit.	Families.	Average.
<b>Unit. States</b>													
American...	196	4.9	34	\$55.01	\$200.34	\$233.86	\$479.11	\$419.88	\$493.42	96	\$86.10	95	\$57.48
Austrian...	1	4.0	1	.....	185.70	127.19	312.89	428.26	428.20	1	115.87	.....	.....
Belgian...	2	5.5	.....	46.50	190.18	129.75	366.43	392.56	437.56	2	71.13	.....	.....
Canadian...	1	5.0	.....	57.00	292.95	167.70	517.65	375.25	525.25	1	7.60	.....	.....
Danish...	3	4.3	3	.....	188.76	153.05	341.81	397.52	410.52	3	68.71	.....	.....
English...	85	5.2	22	63.06	250.62	237.92	535.28	418.04	556.99	45	86.85	35	58.94
French...	13	4.8	3	59.00	248.92	197.15	491.46	391.05	557.89	8	116.94	4	17.96
German...	60	5.6	31	60.93	233.89	230.58	491.89	453.27	547.47	36	123.60	17	65.58
Hungarian...	3	4.7	2	84.00	211.65	190.06	429.71	443.36	457.50	2	41.78	.....	.....
Irish...	45	5.8	17	65.64	270.41	256.48	567.74	441.39	601.71	25	104.13	19	56.55
Italian...	1	3.0	1	.....	193.09	299.02	492.11	465.00	465.00	.....	.....	1	27.11
Scotch...	34	6.5	8	71.73	321.97	325.08	701.89	498.73	748.18	22	89.03	8	48.12
Swedish...	2	4.0	1	48.00	171.13	143.99	339.11	375.00	385.00	2	45.89	.....	.....
Swiss...	3	5.0	.....	60.00	175.61	164.50	400.11	378.75	378.75	.....	.....	3	21.36
Welsh...	59	5.7	11	72.19	280.37	264.05	603.15	396.06	611.52	30	80.97	25	77.39
<b>Total...</b>	<b>508</b>	<b>5.3</b>	<b>134</b>	<b>61.19</b>	<b>237.44</b>	<b>242.71</b>	<b>524.71</b>	<b>426.73</b>	<b>550.30</b>	<b>273</b>	<b>92.29</b>	<b>207</b>	<b>58.91</b>
<b>Europe.</b>													
Belgian...	10	6.0	1	18.96	218.26	137.93	371.36	291.50	426.55	8	75.13	2	24.55
English...	124	5.5	1	49.69	244.50	166.83	460.63	385.98	498.12	87	56.20	12	20.09
German...	18	7.1	.....	38.64	193.60	137.15	369.39	257.51	391.49	8	85.67	10	28.74
Irish...	4	5.5	.....	50.61	296.38	267.73	614.72	403.92	715.38	3	134.21	.....	.....
Italian...	1	9.0	.....	47.45	324.52	100.80	472.77	202.45	504.18	1	31.41	.....	.....
Scotch...	1	8.0	.....	50.61	225.71	207.41	483.73	408.79	457.46	.....	.....	1	26.27
Welsh...	36	4.9	.....	39.57	245.54	142.14	427.25	345.72	461.74	23	58.68	6	18.06
<b>Total...</b>	<b>194</b>	<b>5.6</b>	<b>2</b>	<b>45.47</b>	<b>240.01</b>	<b>169.96</b>	<b>444.73</b>	<b>301.26</b>	<b>482.08</b>	<b>130</b>	<b>61.23</b>	<b>31</b>	<b>22.98</b>
<b>Grand total</b>	<b>702</b>	<b>5.4</b>	<b>136</b>	<b>55.84</b>	<b>238.15</b>	<b>219.84</b>	<b>502.61</b>	<b>408.64</b>	<b>531.45</b>	<b>403</b>	<b>82.27</b>	<b>238</b>	<b>54.23</b>

TABLE XXII.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>United States.</i>								
American.....	196	4.9	34	\$11.52	\$40.48	\$47.25	\$96.81	\$99.70
Austrian.....	1	4.0	1	.....	46.43	31.80	78.22	107.07
Belgian.....	2	5.5	.....	8.45	34.58	23.59	66.62	79.56
Canadian.....	1	5.0	.....	11.40	58.59	33.54	103.53	105.05
Danish.....	3	4.3	3	.....	43.56	35.32	78.88	94.73
English.....	85	5.2	22	11.79	48.09	45.65	102.71	106.87
French.....	13	4.8	3	10.93	51.36	40.68	101.41	115.12
German.....	60	5.6	31	11.92	42.02	41.42	88.36	98.35
Hungarian.....	3	4.7	2	16.80	45.35	40.73	92.08	98.05
Irish.....	45	5.8	17	11.71	46.62	44.22	97.89	103.74
Italian.....	1	3.0	1	.....	64.36	99.67	164.04	155.00
Scotch.....	34	6.5	8	11.10	49.53	50.01	107.98	115.10
Swedish.....	2	4.0	1	12.00	42.78	36.00	84.78	96.25
Swiss.....	3	5.0	.....	12.00	35.12	32.90	80.02	75.75
Welsh.....	59	5.7	11	12.98	48.80	45.96	104.97	106.43
Total.....	508	5.3	134	11.76	44.61	45.60	98.58	103.39
<i>Europe.</i>								
Belgian.....	10	6.0	1	3.10	36.38	22.99	61.89	71.09
English.....	124	5.5	1	9.04	44.46	30.33	83.75	90.57
German.....	18	7.1	.....	5.48	27.44	19.44	52.36	55.49
Irish.....	4	5.5	.....	9.20	53.89	48.68	111.77	130.07
Italian.....	1	9.0	.....	5.27	36.06	11.20	52.53	56.02
Scotch.....	1	8.0	.....	6.33	28.21	25.93	60.47	57.18
Welsh.....	36	4.9	.....	8.05	49.94	28.91	86.90	93.91
Total.....	194	5.6	2	8.13	42.91	28.60	79.52	86.20
Grand total.....	702	5.4	136	10.47	44.12	40.73	93.12	98.46

TABLE XXII.—BITUMINOUS COAL: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Concluded.

## H.—SUMMARY OF MEANS OF SUPPORT.

[Two other natural combinations suggest themselves as lacking in this table, i. e., Hnsband and wife and Hnsband and children, but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of Husband, wife, and children consists of Husband and children.] •

Nationality of husband.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
<i>United States.</i>									
American .....	196	a 62	65	24	11	b 13	14	2	5
Austrian .....	1	1							
Belgian .....	2	1				1			
Canadian .....	1			1					
Danish .....	3	1				2			
English .....	85	c 19	29	16	3	d 7	2	8	1
French .....	13	d 5	2	1		2	1	1	1
German .....	60	e 30	14	4	1	5	1	4	1
Hungarian .....	3	2				d 1			
Irish .....	45	16	5	d 6	8	3	5	1	1
Italian .....	1		1						
Scotch .....	34	e 9	7	11	1	3		3	
Swedish .....	2	2							
Swiss .....	3		3						
Welsh .....	59	d 10	10	a 15	8	6	4	3	3
Total .....	508	f 158	136	c 78	32	e 43	27	22	12
<i>Europe.</i>									
Belgian .....	10	4	1	4	f				
English .....	124	g 61	7	h 43	5	d 5		3	
German .....	18		4	2	1	3	4	3	1
Irish .....	4	d 1		3					
Italian .....	1			1					
Scotch .....	1				1				
Welsh .....	36	i 16	3	11	3	d 2		1	
Total .....	194	j 82	15	h 64	11	b 10	4	7	1
Grand total .....	702	k 240	151	l 142	43	i 53	31	29	13

a In three cases expenditure equals income.

b In two cases expenditure equals income.

c In four cases expenditure equals income.

d In one case expenditure equals income.

e In seven cases expenditure equals income.

f In twenty cases expenditure equals income.

g In nineteen cases expenditure equals income.

h In five cases expenditure equals income.

i In six cases expenditure equals income.

j In twenty-six cases expenditure equals income.

k In forty-six cases expenditure equals income.

l In nine cases expenditure equals income.



TABLE XXII.—COKE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES.

## A.—SUMMARY OF CONDITION AS TO CHILDREN.

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>United States</i>														
American ..	13	16	1.2	54	112	2.1	73	144	2.0	16	288	3.1	25	118
English .....	3	4	1.3	11	25	2.3	12	25	2.1	.....	54	3.6	4	19
French .....	.....	.....	.....	2	3	1.5	1	2	2.0	.....	5	2.5	1	3
German .....	3	4	1.3	15	32	2.1	27	49	1.8	6	91	2.9	7	38
Hungarian .....	.....	.....	.....	1	2	2.0	3	5	1.7	1	8	2.6	2	6
Irish .....	11	19	1.7	24	51	2.1	31	78	2.5	11	159	3.9	3	44
Italian .....	.....	.....	.....	2	5	2.5	3	8	2.7	.....	13	4.3	2	5
Polish .....	.....	.....	.....	2	5	2.5	12	19	1.6	4	28	2.2	1	14
Scotch .....	.....	.....	.....	.....	.....	.....	1	2	2.0	.....	2	2.0	1	2
Total ...	30	43	1.4	111	235	2.1	163	332	2.0	38	648	3.2	46	249
<i>Europe.</i>														
Belgian .....	3	8	2.7	3	9	3.0	2	3	1.5	.....	20	5.0	.....	4
English .....	3	3	1.0	6	13	2.2	4	5	1.3	.....	21	2.1	2	12
German .....	2	4	2.0	6	11	1.8	8	15	1.9	4	34	3.4	.....	10
Irish .....	2	3	1.5	2	7	3.5	2	3	1.5	.....	13	4.3	.....	3
Total ...	10	18	1.8	17	40	2.4	16	26	1.6	4	88	3.3	2	29
Grand total.	40	61	1.5	128	275	2.1	179	358	2.0	42	736	3.2	48	278

## B.—SUMMARY OF SOURCES OF INCOME.

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands.	Wives.	Children.	Boarders, etc.	Husbands.	Wives.	Children.	Boarders, etc.	Average.	
<i>United States</i>												
American ..	118	4.6	118	.....	13	28	\$467.24	.....	\$168.84	\$95.63	\$508.53	\$109.70
English .....	19	4.9	19	.....	3	.....	529.79	.....	330.67	.....	582.06	118.90
French .....	3	3.7	3	.....	.....	.....	548.00	.....	.....	.....	548.00	149.45
German .....	38	4.5	38	.....	3	3	566.64	.....	272.33	87.33	595.04	131.46
Hungarian ..	6	5.8	0	.....	.....	2	449.67	.....	.....	492.00	613.67	105.20
Irish .....	44	5.0	44	.....	11	3	586.56	.....	469.36	112.00	696.53	124.08
Italian .....	5	4.6	5	.....	.....	.....	615.00	.....	.....	.....	615.00	133.70
Polish .....	14	5.2	14	.....	.....	3	553.21	.....	.....	402.06	639.36	122.62
Scotch .....	2	3.0	2	.....	.....	.....	447.50	.....	.....	.....	447.50	149.17
Total ...	249	4.8	249	.....	30	39	516.46	.....	283.56	140.14	572.57	118.12
<i>Europe.</i>												
Belgian .....	4	7.6	4	.....	3	.....	195.05	.....	244.27	.....	378.26	54.64
English .....	12	3.6	12	.....	3	.....	324.50	.....	73.81	.....	342.95	95.71
German .....	10	6.5	10	.....	2	5	273.70	.....	281.08	119.19	389.51	59.92
Irish .....	3	6.3	3	.....	2	.....	316.06	.....	311.46	.....	523.64	82.68
Total ...	29	5.3	29	.....	16	5	288.25	.....	213.93	119.19	382.57	71.58
Grand total.	278	4.9	278	.....	40	44	492.65	.....	266.16	137.76	552.75	112.82

TABLE XXII.—COKE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## C.—SUMMARY OF EXPENDITURE FOR RENT.

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>United States.</i>								
American.....	118	4.6	18	96	3.1	4	\$49.33	\$10.84
English.....	19	4.9	3	15	3.4	1	63.20	13.17
French.....	3	3.7	.....	3	3.7	.....	76.00	20.73
German.....	38	4.5	5	33	3.4	.....	61.18	13.46
Hungarian.....	6	5.8	.....	6	3.2	.....	65.00	11.14
Irish.....	44	5.6	7	37	3.9	.....	66.00	11.91
Italian.....	5	4.6	.....	5	4.0	.....	70.60	15.35
Polish.....	14	5.2	.....	14	4.0	.....	74.43	14.27
Scotch.....	2	3.0	.....	2	4.0	.....	60.00	20.00
Total.....	249	4.8	33	211	3.4	5	58.19	12.13
<i>Europe.</i>								
Belgian.....	4	7.0	1	3	2.0	.....	25.67	3.85
English.....	12	3.6	.....	12	2.8	.....	32.61	9.10
German.....	10	6.5	.....	10	3.5	.....	38.87	5.98
Irish.....	3	6.3	.....	3	3.7	.....	41.28	6.90
Total.....	29	5.3	1	28	3.0	.....	35.35	6.73
Grand total.....	278	4.9	34	239	3.3	5	55.51	11.45

## D.—SUMMARY OF EXPENDITURE FOR FOOD.

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	118	4.6	29	\$21.90	35	\$24.92	110	\$47.10	10	\$6.95	7	\$2.47	97	\$9.80
English.....	19	4.9	.....	.....	1	15.00	19	62.14	.....	.....	.....	.....	17	11.24
French.....	3	3.7	.....	.....	.....	.....	3	48.00	.....	.....	1	3.69	3	13.00
German.....	38	4.5	.....	.....	4	24.50	38	60.00	.....	.....	1	3.75	36	12.09
Hungarian.....	6	5.8	.....	.....	.....	.....	6	52.00	.....	.....	.....	.....	5	10.04
Irish.....	44	5.6	.....	.....	.....	.....	44	78.00	.....	.....	3	9.60	43	16.38
Italian.....	5	4.6	.....	.....	.....	.....	5	50.00	.....	.....	2	9.43	4	12.21
Polish.....	14	5.2	.....	.....	1	6.00	14	45.70	.....	.....	.....	.....	12	10.18
Scotch.....	2	3.0	.....	.....	.....	.....	2	70.00	.....	.....	.....	.....	2	12.47
Total...	249	4.8	29	21.90	41	24.18	241	56.45	10	6.95	14	5.17	219	11.72
<i>Europe.</i>														
Belgian.....	4	7.0	.....	.....	.....	.....	4	40.05	.....	.....	.....	.....	4	5.98
English.....	12	3.6	.....	.....	11	12.07	12	51.67	.....	.....	1	2.43	9	7.03
German.....	10	6.5	.....	.....	.....	.....	10	55.36	.....	.....	.....	.....	.....	.....
Irish.....	3	6.3	.....	.....	2	25.55	2	96.48	.....	.....	.....	.....	2	19.96
Total...	29	5.3	.....	.....	13	14.14	28	54.53	.....	.....	1	2.43	15	8.48
Grand total...	278	4.9	29	21.90	54	21.76	269	56.25	10	6.95	15	4.99	234	11.51

TABLE XXII.—COKE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American....	118	4.6	73	\$10.10	93	\$19.47	41	\$4.36	71	\$4.78	108	\$10.31	117	\$14.41
English.....	19	4.9	16	15.78	18	31.73	11	3.94	16	3.75	17	12.49	19	15.90
French.....	3	3.7	3	15.21	3	31.83	.....	.....	3	2.67	3	9.61	3	10.30
German.....	38	4.5	33	13.66	36	27.85	24	5.59	36	2.91	38	11.33	36	14.32
Hungarian....	6	5.8	6	9.17	6	22.58	3	5.48	.....	.....	4	9.97	6	6.47
Irish.....	44	5.6	30	18.49	31	39.53	25	6.59	43	13.93	35	7.00	43	23.31
Italian.....	5	4.6	5	16.47	5	27.30	4	4.41	4	2.50	4	10.73	5	13.77
Polish.....	14	5.2	12	9.73	13	20.69	8	5.59	6	5.42	13	10.76	13	9.04
Scotch.....	2	3.0	1	21.90	2	25.80	1	8.32	.....	.....	2	11.34	2	10.13
Total....	249	4.8	179	12.94	207	25.59	117	5.20	179	6.45	224	10.16	244	15.50
<i>Europe.</i>														
Belgian.....	4	7.0	4	9.41	4	43.91	1	1.93	.....	.....	4	14.34	4	3.14
English.....	12	3.6	12	12.81	12	13.56	5	7.59	12	12.76	1	4.38	12	7.36
German.....	10	6.5	10	9.91	10	23.80	.....	.....	.....	.....	10	17.48	6	4.28
Irish.....	3	6.3	2	21.42	2	21.78	1	12.65	2	19.96	.....	.....	2	18.17
Total....	29	5.3	28	11.90	28	22.14	7	7.51	14	13.79	15	15.76	24	6.78
Grand total.	278	4.9	207	12.80	235	25.18	124	5.33	193	6.98	239	10.51	268	14.72

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American....	118	4.6	63	\$3.22	76	\$9.55	118	\$33.99	22	\$3.59	9	\$3.28	68	\$5.57
English.....	19	4.9	12	1.95	15	7.04	19	32.71	4	2.70	1	3.20	18	5.27
French.....	3	3.7	1	1.00	2	6.25	3	25.95	.....	.....	1	2.40	3	3.24
German.....	38	4.5	24	3.21	35	6.24	38	31.98	8	3.28	5	3.50	36	3.94
Hungarian....	6	5.8	4	3.30	4	3.83	6	21.47	3	2.71	.....	.....	6	3.73
Irish.....	44	5.6	17	1.93	36	6.91	44	45.60	18	6.69	3	6.00	42	5.85
Italian.....	5	4.6	4	6.26	4	3.58	5	37.46	.....	.....	.....	.....	5	2.96
Polish.....	14	5.2	8	5.68	8	4.43	14	29.16	3	4.25	.....	.....	13	2.82
Scotch.....	2	3.0	1	.80	2	10.80	2	31.40	1	9.10	.....	.....	2	1.23
Total....	249	4.8	134	3.15	182	7.68	249	35.02	59	4.51	19	3.72	193	4.91
<i>Europe.</i>														
Belgian.....	4	7.0	.....	.....	.....	.....	.....	.....	4	70.88	.....	.....	.....	.....
English.....	12	3.6	2	1.22	11	4.42	12	24.77	1	15.82	.....	.....	1	6.33
German.....	10	6.5	.....	.....	.....	.....	2	3.54	10	52.67	.....	.....	.....	.....
Irish.....	3	6.3	.....	.....	2	8.64	2	66.92	.....	.....	.....	.....	.....	.....
Total....	29	5.3	2	1.22	13	5.07	16	27.39	15	55.07	.....	.....	1	6.33
Grand total.	278	4.9	136	3.12	195	7.50	265	34.56	74	14.76	19	3.72	194	4.9



**TABLE XXII.—COKE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.****D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified.)		Vinegar, pickles, and condiments.		Food (not specified.)		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>United States</i>												
American....	118	4.6	109	\$8.90	80	\$8.24	54	\$1.88	118	\$19.92	\$195.75	\$42.23
English.....	19	4.9	17	11.60	17	13.52	17	1.75	18	11.59	228.54	46.69
French.....	3	3.7	3	9.68	3	9.90	3	1.23	3	7.71	195.21	53.24
German.....	38	4.5	36	11.67	35	11.36	36	1.74	38	9.69	221.12	48.85
Hungarian...	6	5.8	6	10.93	6	10.09	6	2.46	6	4.67	167.41	28.70
Irish.....	44	5.6	43	16.07	39	12.54	44	2.40	44	24.26	295.92	52.72
Italian.....	5	4.6	5	10.56	5	10.34	5	4.44	5	4.93	214.35	46.60
Polish.....	14	5.2	14	9.99	14	8.50	14	3.20	14	8.41	174.86	33.53
Scotch.....	2	3.0	2	21.15	2	11.58	2	1.00	2	9.34	236.30	78.77
Total...	249	4.8	235	11.05	201	10.25	181	2.14	248	16.96	218.66	45.11
<i>Europe.</i>												
Belgian.....	4	7.0	4	19.69	.....	.....	.....	.....	4	4.06	211.93	30.28
English.....	12	3.6	12	6.99	5	5.11	.....	.....	12	21.31	179.54	50.10
German.....	10	6.5	10	18.11	10	6.68	.....	.....	10	11.81	199.09	30.63
Irish.....	3	6.3	2	16.63	2	8.52	.....	.....	3	63.26	283.48	44.76
Total...	29	5.3	28	13.47	17	6.43	.....	.....	29	19.99	201.50	37.70
Grand total.	278	4.9	263	11.31	218	9.95	181	2.14	277	17.28	216.87	44.27

**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)**

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American....	118	4.6	77	\$15.43	116	\$3.01	118	\$38.06	117	\$25.45	94	\$50.55
English.....	19	4.9	7	16.31	19	2.49	19	32.26	18	22.39	14	59.79
French.....	3	3.7	3	17.87	3	2.37	3	35.67	3	22.33	2	31.38
German.....	38	4.5	22	14.04	37	2.52	38	44.16	38	29.97	31	46.80
Hungarian...	6	5.8	2	14.05	6	2.32	6	35.33	6	21.50	3	21.67
Irish.....	44	5.6	34	13.14	44	3.11	44	44.24	42	29.39	40	85.68
Italian.....	5	4.6	4	16.08	5	2.75	5	32.85	5	18.20	3	71.53
Polish.....	14	5.2	10	12.68	14	2.70	14	39.96	14	16.36	13	22.31
Scotch.....	2	3.0	2	10.05	2	1.92	2	47.50	2	45.00	1	28.00
Total...	249	4.8	161	14.60	246	2.86	249	30.62	245	25.96	201	55.36
<i>Europe.</i>												
Belgian.....	4	7.0	4	15.44	4	6.87	4	19.78	3	8.04	4	46.80
English.....	12	3.6	12	18.51	12	3.55	12	15.67	10	13.99	10	17.52
German.....	10	6.5	10	8.57	10	4.61	10	23.92	10	13.45	10	27.13
Irish.....	3	6.3	3	19.38	3	4.87	3	15.81	3	13.38	3	44.61
Total...	29	5.3	29	14.75	29	4.51	29	19.10	26	13.03	27	28.43
Grand total.	278	4.9	190	14.62	275	3.03	278	37.48	271	24.72	228	52.17

TABLE XXII.—**COKE**: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)**

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
	Total	Average size.	Families.	Average cost.	Property.		Life.		Labor.		Other.	
					Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	118	4.6	99	\$3.97	5	\$9.20	13	\$13.86	16	\$3.62	26	\$7.09
English.....	19	4.9	18	3.40	1	2.00	.....	.....	4	3.53	8	6.44
French.....	3	3.7	1	2.50	.....	.....	.....	.....	1	3.00	.....	.....
German.....	38	4.5	31	3.32	2	4.50	2	8.25	18	3.38	3	7.40
Hungarian...	6	5.8	1	2.00	.....	.....	1	12.40	1	3.00	.....	.....
Irish.....	44	5.6	35	4.15	3	15.33	4	11.95	30	4.11	2	2.65
Italian.....	5	4.6	2	1.83	.....	.....	.....	.....	1	3.24	.....	.....
Polish.....	14	5.2	2	1.70	.....	.....	1	28.80	3	3.24	.....	.....
Scotch.....	2	3.0	1	1.87	.....	.....	.....	.....	2	4.02	.....	.....
Total...	249	4.8	190	3.77	11	9.36	21	13.60	76	3.73	39	6.76
<i>Europe.</i>												
Belgian.....	4	7.0	1	4.83	1	6.76	.....	.....	1	2.32	.....	.....
English.....	12	3.6	.....	.....	.....	.....	11	11.07	4	6.33	2	5.01
German.....	10	6.5	10	3.95	1	1.42	2	7.60	4	.88	3	2.86
Irish.....	3	6.3	.....	.....	.....	.....	3	12.84	1	6.33	1	6.33
Total ..	29	5.3	11	4.03	2	4.09	16	10.97	10	3.75	6	4.15
Grand total.	278	4.9	201	3.78	13	8.55	37	12.47	86	3.73	45	6.41

**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	118	4.6	64	\$5.94	86	\$2.90	77	\$15.90	87	\$4.20	42	\$10.30
English.....	19	4.9	7	3.29	10	2.85	7	7.86	16	3.66	1	42.30
French.....	3	3.7	3	5.50	2	1.00	2	8.50	1	2.50	.....	.....
German.....	38	4.5	15	5.13	24	5.21	16	49.58	24	4.52	2	13.66
Hungarian...	6	5.8	3	6.00	2	3.50	.....	.....	2	3.00	.....	.....
Irish.....	44	5.6	36	10.53	33	5.82	14	21.66	31	6.41	2	92.50
Italian.....	5	4.6	2	4.50	1	3.00	.....	.....	2	5.50	.....	.....
Polish.....	14	5.2	5	14.40	3	4.17	2	23.00	1	28.50	1	18.00
Scotch.....	2	3.0	2	3.00	.....	.....	1	40.00	1	1.00	.....	.....
Total...	249	4.8	137	7.16	161	3.84	119	20.85	165	4.73	48	14.72
<i>Europe.</i>												
Belgian.....	4	7.0	4	.58	4	2.03	4	7.48	1	.58	4	4.35
English.....	12	3.6	4	3.73	4	.93	8	2.07	11	2.65	1	16.06
German.....	10	6.5	10	1.33	9	.91	10	8.93	8	2.40	7	11.73
Irish.....	3	6.3	3	3.81	1	2.43	2	3.17	3	3.59	1	26.77
Total...	29	5.3	21	2.00	18	1.26	24	5.92	23	2.60	13	10.95
Grand total.	278	4.9	158	6.47	179	3.58	143	18.85	188	4.47	61	13.91

TABLE XXII.—COKE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>United States</i>												
American...	118	4.6	50	\$13.55	102	\$10.18	105	\$15.33	116	\$15.79	\$190.07	\$41.00
English.....	19	4.9	2	6.00	19	7.65	16	25.13	19	10.41	163.55	33.41
French.....	3	3.7	1	16.00	3	6.03	3	10.00	3	8.58	143.61	39.17
German.....	38	4.5	13	10.08	33	9.63	27	13.22	38	10.44	189.87	41.95
Hungarian...	6	5.8	5	75.32	5	6.05	4	13.00	6	8.30	167.51	28.72
Irish.....	44	5.6	16	12.08	40	8.08	34	21.46	44	13.44	242.21	43.15
Italian.....	5	4.6	5	29.50	5	5.96	5	13.50	5	7.40	171.92	37.87
Polish.....	14	5.2	11	49.77	14	5.89	12	13.33	14	12.83	173.68	33.31
Scotch.....	2	3.0	1	5.00	2	9.92	2	8.50	2	7.33	175.17	58.39
Total...	249	4.8	104	20.25	223	8.99	208	16.47	247	13.46	194.72	40.17
<i>Europe.</i>												
Belgian.....	4	7.0	4	29.14	2	8.30	3	8.36	4	10.13	162.69	23.24
English.....	12	3.6	9	15.55	10	10.32	11	3.39	1	21.90	108.99	30.42
German.....	10	6.5	10	20.14	8	4.52	10	16.99	8	11.14	155.36	23.90
Irish.....	3	6.3	2	31.64	2	16.06	3	5.52	2	18.49	184.01	29.05
Total...	29	5.3	25	20.85	22	8.55	27	9.22	15	12.57	140.15	26.22
Grand total.	278	4.9	129	20.37	245	8.95	235	15.63	262	13.41	189.03	38.58

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Hus. band.	All sources.	Surplus.		Deficit.	
										Fam. ilies.	Aver- age.	Fam. ilies.	Aver- age.
<i>Unit. States</i>													
American ..	118	4.6	18	\$49.83	\$195.75	\$190.07	\$425.95	\$467.24	\$508.53	81	\$136.28	37	\$34.99
English ...	19	4.9	3	63.20	228.54	163.55	441.98	529.79	582.00	17	165.89	2	79.92
French....	3	3.7	.....	76.00	195.21	143.61	414.82	548.00	518.00	3	133.19	.....	.....
German....	38	4.5	5	61.18	221.12	189.87	464.12	566.64	595.04	34	153.81	4	63.66
Hungarian	6	5.8	.....	65.00	167.41	167.51	399.92	449.67	613.67	5	260.68	1	20.94
Irish .....	44	5.6	7	66.00	295.92	242.21	593.63	586.56	696.53	33	164.76	11	82.67
Italian .....	5	4.6	.....	70.60	214.35	171.92	456.87	615.00	615.00	4	200.18	1	10.08
Polish.....	14	5.2	.....	74.43	174.86	173.68	422.97	553.21	639.36	13	238.00	1	64.60
Scotch ....	2	3.0	.....	60.00	236.30	175.17	471.47	447.50	447.50	1	32.48	1	80.42
Total..	249	4.8	33	58.19	218.66	194.72	462.69	516.46	572.57	191	157.88	58	48.18
<i>Europe.</i>													
Belgian ...	4	7.0	1	25.67	211.93	162.69	393.86	195.05	378.26	1	78.90	3	47.11
English ...	12	3.6	.....	32.61	179.54	108.99	321.14	324.50	342.95	6	48.68	3	10.12
German....	10	6.5	.....	38.87	199.09	155.36	393.32	273.70	389.51	3	28.24	7	17.54
Irish .....	3	6.3	.....	44.28	283.48	184.01	511.77	316.00	523.64	2	38.55	1	41.51
Total..	29	5.3	1	35.35	201.50	140.15	375.78	288.25	382.57	12	44.40	14	24.00
Grand total	278	4.9	34	55.51	216.87	189.03	453.62	492.65	552.75	203	151.17	72	43.48



TABLE XXII.—COKE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Concluded.

## G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>United States.</i>								
Amerioan.....	118	4.6	18	\$10.84	\$42.23	\$41.00	\$91.89	\$109.70
English.....	19	4.9	3	13.17	46.69	33.41	90.30	118.90
French.....	3	3.7	.....	20.73	53.24	39.17	113.14	149.45
German.....	38	4.5	5	13.46	48.85	41.95	102.54	131.46
Hungarian.....	6	5.8	.....	11.14	28.70	28.72	68.56	105.20
Irish.....	44	5.6	7	11.91	52.72	43.15	105.75	124.08
Italian.....	5	4.6	.....	15.35	46.60	37.87	99.32	133.70
Polish.....	14	5.2	.....	14.27	33.53	33.31	81.11	122.62
Scotch.....	2	3.0	.....	20.00	78.77	58.39	157.16	149.17
Total .....	249	4.8	33	12.13	45.11	40.17	95.45	118.12
<i>Europe.</i>								
Belgian.....	4	7.0	1	3.85	30.28	23.24	56.27	54.04
English.....	12	3.6	.....	9.10	50.10	30.42	89.63	95.71
German.....	10	6.5	.....	5.98	30.63	23.90	60.51	59.92
Irish.....	3	6.3	.....	6.99	44.76	29.05	80.80	82.63
Total .....	29	5.3	1	6.73	37.70	26.22	70.31	71.58
Grand total .....	278	4.9	34	11.45	44.27	38.58	92.59	112.82

## H.—SUMMARY OF MEANS OF SUPPORT.

[Two other natural combinations suggest themselves as lacking in this table, i. e., Husband and wife and Husband and children, but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of Husband, wife, and children consists of Husband and children.]

Nationality of husband.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
<i>United States.</i>									
American .....	118	56	24	7	2	16	9	2	1
English .....	19	14	2	3					
French .....	3	3							
German .....	38	30	3	2		2			1
Hungarian .....	6	3	1			2			
Irish .....	44	24	8	7	2	1	1	1	
Italian .....	5	4	1						
Polish .....	14	11				2	1		
Scotch .....	2	1	1						
Total.....	249	146	40	19	5	23	11	3	2
<i>Europe.</i>									
Belgian .....	4		1	1	2				
English .....	12	6	3	3					
German .....	10	2	3				3	1	1
Irish .....	3		1	2					
Total.....	29	8	8	6	2		3	1	1
Grand total .....	278	154	48	25	7	23	14	4	3

a In three cases expenditure equals income.

**TABLE XXII.—IRON ORE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES.****A.—SUMMARY OF CONDITION AS TO CHILDREN.**

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children, per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>United States</i>														
American ..	22	32	1.5	25	47	1.9	88	205	2.3	17	301	3.0	18	119
English.....	1	1	1.0	2	8	4.0	9	15	1.7	2	26	2.6	2	12
French.....							2	3	1.5		3	1.5		2
Fr. Canadian							4	4	1.0		4	1.0	3	7
German....	1	4	4.0	1	4	4.0	3	4	1.3		12	4.0	1	4
Hungarian..							1	2	2.0		2	2.0		1
Irish.....	1	2	2.0	7	23	3.3	10	22	2.2	6	53	4.8	2	13
Scotch.....				1	1	1.0				1	2	2.0		1
Swiss.....				4	13	3.3	4	9	2.3		22	5.5	1	5
Welsh.....							1	2	2.0		2	2.0		1
<b>Total ..</b>	<b>25</b>	<b>39</b>	<b>1.6</b>	<b>40</b>	<b>96</b>	<b>2.4</b>	<b>122</b>	<b>266</b>	<b>2.2</b>	<b>26</b>	<b>427</b>	<b>3.1</b>	<b>27</b>	<b>165</b>
<i>Europe.</i>														
German ....	8	13	1.6	14	36	2.6	15	32	2.1	2	83	4.4		19
<b>Grand total.</b>	<b>33</b>	<b>52</b>	<b>1.6</b>	<b>54</b>	<b>132</b>	<b>2.4</b>	<b>137</b>	<b>298</b>	<b>2.2</b>	<b>28</b>	<b>510</b>	<b>3.2</b>	<b>27</b>	<b>184</b>

**B.—SUMMARY OF SOURCES OF INCOME**

Nationality of husband.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands.	Wives.	Children.	Boarders, etc.	Husbands.	Wives.	Children.	Boarders, etc.	Average.	
<i>Unit. States.</i>												
American...	119	4.9	119	.....	21	51	\$307.81	.....	\$170.86	\$81.58	\$372.93	\$76.38
English....	12	4.6	12	.....		3	381.41	.....		142.67	417.08	91.00
French.....	2	4.0	2	.....		1	461.67	.....		52.00	487.67	121.92
Fr. Canadian	7	6.4	7	.....		6	258.34	.....		381.33	585.62	91.10
German....	4	5.5	4	.....	1	2	294.00	.....	202.00	139.00	429.00	78.00
Hungarian..	1	8.0	1	.....		1	389.75	.....		448.00	837.75	194.72
Irish.....	13	6.7	13	.....	1	5	428.13	.....	460.00	129.80	509.98	76.29
Scotch.....	1	12.0	1	.....		1	471.60	.....		435.16	906.76	75.56
Swiss.....	5	6.6	5	.....			296.96	.....			296.96	44.99
Welsh.....	1	4.0	1	.....			240.00	.....			240.00	60.00
Total ..	165	5.2	165	.....	23	70	322.82	.....	187.39	124.24	401.65	77.51
<i>Europe.</i>												
German ...	19	6.6	19	.....	8	8	254.07	.....	148.54	76.22	348.71	53.00
Grand total	184	5.8	184	.....	31	78	815.72	.....	177.37	119.31	390.18	74.39

TABLE XXII.—IRON ORE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## C.—SUMMARY OF EXPENDITURE FOR RENT.

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families	Rooms per family.		Family.	Individual.
<i>United States.</i>								
American.....	119	4.9	37	74	3.2	8	\$30.08	\$6.45
English.....	12	4.6	.....	11	3.7	1	41.17	8.71
French.....	2	4.0	.....	2	3.5	.....	24.00	6.00
French Canadian.....	7	6.4	.....	7	3.0	.....	20.86	3.24
German.....	4	5.5	.....	3	3.3	1	42.00	8.40
Hungarian.....	1	8.0	.....	1	4.0	.....	84.00	10.50
Irish.....	13	6.7	6	7	5.7	.....	57.14	8.89
Scotch.....	1	12.0	.....	1	5.0	.....	24.00	2.00
Swiss.....	5	6.6	.....	5	2.6	.....	33.80	5.12
Welsh.....	1	4.0	1	.....	.....	.....	.....	.....
Total.....	165	5.2	44	111	3.4	10	33.11	6.53
<i>Europe.</i>								
German.....	19	6.6	12	7	2.4	.....	31.38	5.78
Grand total.....	184	5.3	56	118	3.4	10	33.01	6.48

## D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States.</i>														
American ..	119	4.9	40	\$22.68	55	\$25.79	86	\$45.62	19	\$3.66	24	\$2.08	42	\$6.78
English.....	12	4.6	4	44.75	3	21.50	10	60.50	.....	.....	6	4.33	5	4.95
French.....	2	4.0	2	30.00	2	30.00	.....	.....	.....	.....	1	2.00	.....	.....
Fr. Canadian.....	7	6.4	7	29.57	7	41.11	3	19.67	.....	.....	4	3.00	6	8.75
German.....	4	5.5	.....	.....	.....	.....	4	78.69	.....	.....	.....	.....	2	8.40
Hungarian.....	1	8.0	1	80.00	.....	.....	1	30.00	.....	.....	1	4.50	1	16.00
Irish.....	13	6.7	11	34.64	7	24.54	11	27.45	.....	.....	8	3.76	7	7.61
Scotch.....	1	12.0	1	25.00	1	10.00	1	40.00	.....	.....	1	4.00	.....	.....
Swiss.....	5	6.6	.....	.....	.....	.....	5	43.00	.....	.....	.....	.....	1	12.00
Welsh.....	1	4.0	.....	.....	1	25.00	.....	.....	.....	.....	.....	.....	1	4.00
Total...	165	5.2	66	27.87	76	26.81	121	45.36	19	3.66	45	2.86	65	7.14
<i>Europe.</i>														
German.....	19	6.6	.....	.....	7	23.09	19	33.41	.....	.....	.....	.....	12	6.38
Grand total.	184	5.3	66	27.87	83	26.50	140	43.74	19	3.66	45	2.86	77	7.02



**TABLE XXII.—IRON ORE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.****D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)**

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American ..	119	4.9	61	\$7.98	86	\$19.32	20	\$1.39	44	\$5.89	113	\$8.63	114	\$14.69
English .....	12	4.6	4	6.85	10	26.23	2	2.45	11	5.04	12	9.92	12	16.39
French .....	2	4.0	1	6.00	2	25.00	1	.60	2	10.50	2	3.99	2	12.40
Fr. Canadian ..	7	6.4	2	7.00	7	30.86	.....	.....	7	15.43	2	3.19	7	24.36
German .....	4	5.5	2	10.43	4	29.36	1	4.50	2	11.40	4	16.94	4	17.26
Hungarian .....	1	8.0	1	20.00	1	48.00	.....	.....	1	15.00	1	15.00	1	22.00
Irish .....	13	6.7	10	16.48	13	34.39	9	2.46	12	10.08	10	8.08	13	21.11
Scotch .....	1	12.0	1	18.00	1	50.00	1	1.50	1	12.00	1	13.68	1	32.00
Swiss .....	5	6.6	.....	.....	1	21.00	1	26.00	.....	.....	5	9.78	5	10.00
Welsh .....	1	4.0	.....	.....	.....	.....	.....	.....	1	1.00	1	5.75	1	18.00
Total ...	165	5.2	82	9.24	125	22.99	35	2.50	81	7.59	151	8.88	160	15.83
<i>Europe.</i>														
German ....	19	6.6	13	7.64	17	34.41	.....	.....	.....	.....	19	14.76	18	3.23
Grand total	184	5.3	95	9.02	142	24.86	35	2.50	81	7.59	170	9.53	178	14.53

**D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)**

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American ..	119	4.9	67	\$3.87	66	\$9.31	118	\$33.05	12	\$2.72	18	\$1.30	41	\$4.97
English .....	12	4.6	7	3.89	7	8.50	12	33.30	3	10.20	.....	.....	9	6.71
French .....	2	4.0	2	1.50	2	5.63	2	39.00	1	2.00	.....	.....	2	8.25
Fr. Canadian ..	7	6.4	3	3.00	7	10.41	7	41.40	1	4.00	5	2.03	6	6.21
German .....	4	5.5	4	6.25	2	10.50	4	35.61	1	8.00	.....	.....	3	3.47
Hungarian .....	1	8.0	.....	.....	1	4.00	1	101.00	.....	.....	.....	.....	.....	.....
Irish .....	13	6.7	10	3.18	10	6.06	13	61.74	7	1.70	2	1.15	9	3.17
Scotch .....	1	12.0	1	3.00	1	10.80	1	69.00	1	2.70	.....	.....	1	12.00
Swiss .....	5	6.6	.....	.....	1	15.00	5	33.50	.....	.....	2	3.75	.....	.....
Welsh .....	1	4.0	1	1.00	1	3.00	1	21.00	1	.96	.....	.....	1	8.20
Total ...	165	5.2	95	3.74	98	8.90	164	38.59	27	3.44	27	1.61	72	5.23
<i>Europe.</i>														
German ....	19	6.6	.....	.....	1	23.80	12	9.08	10	44.37	1	2.38	.....	.....
Grand total	184	5.3	95	3.74	99	9.05	176	36.57	46	20.34	28	1.63	72	5.23

TABLE XXII.—IRON ORE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## D. SUMMARY OF EXPENDITURE FOR FOOD. (4.)

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>United States</i>												
American ..	119	4.9	93	\$8.02	45	\$4.99	27	\$1.93	117	\$14.97	\$167.22	\$34.25
English.....	12	4.6	11	9.47	9	5.55	3	1.17	12	11.69	203.04	44.30
French .....	2	4.0	2	13.75	2	3.89	.....	.....	2	17.50	206.71	51.68
Fr. Canadian	7	6.4	7	14.79	7	6.90	.....	.....	7	18.43	262.45	40.82
German .....	4	5.5	3	8.67	3	9.00	2	1.38	4	10.13	234.26	42.59
Hungarian...	1	8.0	1	23.00	1	8.25	.....	.....	1	20.00	411.75	51.47
Irish .....	13	6.7	11	10.45	11	3.98	2	.88	12	14.31	254.24	37.99
Scotch .....	1	12.0	.....	.....	1	6.88	.....	.....	1	15.00	316.56	26.38
Swiss .....	5	6.6	1	10.50	.....	.....	5	1.25	5	9.80	130.85	19.83
Welsh .....	1	4.0	.....	.....	1	1.00	1	1.25	1	31.00	121.16	30.29
Total ...	165	5.2	129	9.00	80	5.22	40	1.69	162	14.71	183.83	35.48
<i>Europe.</i>												
German .....	19	6.6	16	14.20	14	2.55	3	2.41	19	9.07	174.60	26.54
Grand total.	184	5.3	145	9.57	94	4.82	43	1.74	181	14.12	182.88	34.34

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American ..	119	4.9	109	\$21.46	118	\$3.34	119	\$27.20	118	\$15.86	101	\$35.03
English.....	12	4.6	9	25.39	12	2.94	12	33.11	12	21.41	9	41.97
French .....	2	4.0	2	75.00	2	2.64	2	42.50	2	15.50	2	17.00
Fr. Canadian	7	6.4	7	49.64	7	2.65	7	32.86	7	12.71	4	12.25
German .....	4	5.5	2	18.90	4	3.69	4	44.25	4	19.25	3	76.67
Hungarian...	1	8.0	1	55.00	1	3.00	1	50.00	1	25.00	1	20.00
Irish .....	13	6.7	11	47.82	13	2.97	13	43.46	12	19.75	11	63.82
Scotch .....	1	12.0	1	43.00	1	3.60	1	30.00	1	20.00	1	60.00
Swiss .....	5	6.6	4	14.50	5	2.09	5	22.80	5	18.60	4	43.75
Welsh .....	1	4.0	.....	.....	1	1.80	1	50.00	1	15.00	1	6.00
Total ...	165	5.2	146	25.93	164	3.20	165	29.91	163	16.66	137	38.30
<i>Europe.</i>												
German .....	19	6.6	19	11.39	19	3.68	19	18.61	19	10.41	19	36.33
Grand total.	184	5.3	163	24.25	183	3.25	184	28.74	182	16.01	156	33.06

TABLE XXII.—IRON ORE: SUMMARY OF COST OF LIVING FOR ALL STATES, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)

Nationality of husband.	Families.		Taxes.		Insurance.				Organizations.			
					Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	119	4.9	93	\$3.38	17	\$1.96	3	\$13.67			17	\$6.20
English.....	12	4.6	3	2.45	2	.82					4	6.54
French.....	2	4.0										
Fr. Canadian	7	6.4										
German.....	4	5.5	3	2.83	1	3.00						
Hungarian...	1	8.0									1	5.00
Irish.....	13	6.7	8	3.73	4	2.44	1	7.20			8	6.19
Scotch.....	1	12.0										
Swiss.....	5	6.6										
Welsh.....	1	4.0	1	3.50								
Total....	165	5.2	108	3.36	24	1.99	4	12.05			30	6.20
<i>Europe.</i>												
German.....	19	6.6	19	4.54	13	2.70	19	7.11	3	\$1.52	4	1.38
Grand total.	184	5.3	127	3.54	37	2.24	23	7.97	3	\$1.52	34	5.64

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American...	119	4.9	81	\$3.09	23	\$1.54	99	\$20.88	75	\$3.62	34	\$11.06
English.....	12	4.6	3	1.67	1	2.00	10	32.57	9	5.12	2	10.00
French.....	2	4.0	1	2.00			2	28.50			1	2.00
Fr. Canadian	7	6.4	4	6.25			7	22.29			3	10.67
German.....	4	5.5	2	1.13	1	1.50	4	25.00	3	2.67		
Hungarian...	1	8.0					1	5.00				
Irish.....	13	6.7	11	12.00			13	8.77	11	3.01	3	5.67
Scotch.....	1	12.0	1	2.00			1	5.00	1	6.00	1	4.00
Swiss.....	5	6.6	2	2.00	1	3.00	1	6.00	4	4.31		
Welsh.....	1	4.0										
Total....	165	5.2	105	4.03	26	1.62	138	20.55	103	3.71	44	10.25
<i>Europe.</i>												
German.....	19	6.6	19	1.48	15	.64	19	12.86	16	2.41	5	3.00
Grand total.	184	5.3	124	3.64	41	1.26	157	19.62	119	3.54	49	9.51



TABLE XXII.—IRON ORE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>United States</i>												
American...	119	4.9	57	\$7.65	99	\$10.94	105	\$19.48	104	\$26.66	\$178.25	\$36.51
English.....	12	4.6	2	15.50	10	8.85	12	21.57	11	21.70	195.55	42.67
French.....	2	4.0	.....	.....	2	9.00	2	8.50	2	12.00	212.64	53.16
Fr. Canadian	7	6.4	1	28.00	6	8.67	7	17.29	7	19.00	183.00	28.47
German.....	4	5.5	1	25.00	4	7.09	4	16.75	3	23.00	212.29	38.60
Hungarian...	1	8.0	.....	.....	1	5.00	1	12.00	1	20.00	200.00	25.00
Irish.....	13	6.7	1	20.00	13	6.73	12	13.83	12	20.95	233.91	34.95
Scotch.....	1	12.0	.....	.....	1	6.00	1	12.50	1	115.00	307.10	25.59
Swiss.....	5	6.6	4	6.50	4	3.20	5	9.00	5	33.40	146.30	22.17
Welsh.....	1	4.0	.....	.....	1	12.00	1	3.00	1	12.55	103.85	25.96
Total...	165	5.2	60	8.58	141	9.88	150	18.32	147	25.87	184.83	35.67
<i>Europe.</i>												
German.....	19	6.6	17	7.53	18	4.01	18	13.87	19	43.08	178.85	27.19
Grand total.	184	5.3	83	8.36	159	9.21	163	17.84	166	27.84	184.21	34.59

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.			Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Aver- age size.	Own house.	Rent.	Food.	Other pur- poses.	All pur- poses.	Hus- band.	All sources.	Surplus.		Deficit.	
										Fam- ilies.	Aver- age.	Fam- ilies.	Aver- age.
<i>Unit. States</i>													
American .	119	4.9	37	\$30.08	\$167.22	\$178.25	\$364.17	\$307.81	\$372.92	59	\$51.93	60	\$33.70
English ...	12	4.6	.....	41.17	203.04	195.55	436.33	381.41	417.08	5	57.04	7	73.75
French.....	2	4.0	.....	24.00	206.71	212.64	443.35	461.67	487.67	2	44.32	.....	.....
Fr. Canad.	7	6.4	.....	20.86	262.45	183.00	466.31	258.34	585.62	5	185.95	2	47.28
German ...	4	5.5	.....	42.00	234.26	212.29	478.04	294.00	429.00	1	124.79	3	106.99
Hungarian	1	8.0	.....	84.00	411.75	200.00	695.75	389.75	837.75	1	142.00	.....	.....
Irish .....	13	6.7	6	57.14	254.24	233.91	518.22	428.13	509.98	6	42.12	7	52.72
Scotch .....	1	12.0	.....	24.00	316.50	307.10	647.66	471.60	906.76	1	259.10	.....	.....
Swiss.....	5	6.6	.....	33.80	130.85	146.30	310.95	296.96	296.96	2	4.20	3	26.11
Welsh....	1	4.0	1	.....	121.16	103.85	225.01	240.00	240.00	1	14.99	.....	.....
Total..	165	5.2	44	33.11	183.83	184.83	390.93	322.82	401.65	83	62.28	82	41.48
<i>Europe.</i>													
German ...	19	6.6	12	31.38	174.60	178.85	365.01	254.07	348.71	8	31.89	11	51.35
Grand total	184	5.3	56	33.01	182.88	184.21	388.26	315.72	396.18	91	59.61	93	42.64

**TABLE XXII.—IRON ORE: SUMMARY OF COST OF LIVING FOR ALL STATES COMBINED, BY NATIONALITIES—Concluded.****G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>United States.</i>								
American.....	119	4.9	37	\$6.45	\$34.25	\$36.51	\$74.59	\$76.38
English.....	12	4.6	.....	8.71	44.30	42.67	95.20	91.00
French.....	2	4.0	.....	6.00	51.68	53.16	110.84	121.92
French Canadian.....	7	6.4	.....	3.24	40.82	28.47	72.55	91.10
German.....	4	5.5	.....	8.40	42.59	38.60	86.92	78.00
Hungarian.....	1	8.0	.....	10.50	51.47	25.00	86.97	104.72
Irish.....	13	6.7	6	8.89	37.99	34.95	77.54	76.20
Scotch.....	1	12.0	.....	2.00	26.33	25.59	53.97	75.56
Swiss.....	5	6.6	.....	5.12	19.83	22.17	47.12	44.99
Welsh.....	1	4.0	1	.....	30.29	25.96	56.25	60.00
Total.....	165	5.2	44	6.53	35.43	35.67	75.44	77.51
<i>Europe.</i>								
German.....	19	6.6	12	5.78	26.54	27.19	55.48	53.00
Grand total.....	184	5.3	56	6.43	34.34	34.59	72.90	74.39

**II.—SUMMARY OF MEANS OF SUPPORT.**

[Two other natural combinations suggest themselves as lacking in this table, *i. e.*, Husband and wife and Husband and children, but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of Husband, wife, and children consists of Husband and children.]

Nationality of husband.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
<i>United States.</i>									
American .....	119	26	29	11	14	19	13	3	4
English .....	12	3	6			2	1		
French .....	2	1				1			
French Canadian .....	7		1			5	1		
German .....	4		1		1	1	1		
Hungarian .....	1					1			
Irish .....	13	3	4		1	3	2		
Scotch .....	1					1			
Swiss .....	5	2	3						
Welsh .....	1	1							
Total .....	165	36	44	11	16	33	18	3	4
<i>Europe.</i>									
German .....	19	2	5	2	3	2	2	2	1
Grand total .....	184	38	49	13	19	35	20	5	5

TABLE XXIII.—RECAPITULATION OF COST OF LIVING, BY INDUSTRIES.

## A.—RECAPITULATION OF CONDITION AS TO CHILDREN.

Industry.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>United States</i>														
Pig iron ....	102	140	1.4	340	722	2.1	528	1,004	1.9	120	1,986	3.1	126	762
Bar iron ....	99	158	1.6	300	634	2.1	410	697	1.7	121	1,610	3.1	105	623
Steel .....	28	53	1.9	73	151	2.1	117	212	1.8	36	452	2.9	29	183
Bitum. coal.	171	273	1.6	176	354	2.0	383	890	2.3	94	1,611	3.6	61	508
Coke .....	30	43	1.4	111	235	2.1	163	332	2.0	38	648	3.2	45	249
Iron ore ....	25	39	1.6	40	96	2.4	122	266	2.2	26	427	3.1	27	165
Total ...	455	706	1.0	1,040	2,192	2.1	1,723	3,401	2.0	435	6,734	3.2	394	2,490
<i>Europe.</i>														
Pig iron ....	24	48	2.0	45	101	2.2	48	60	1.3	14	223	3.2	6	76
Bar iron ....	96	181	1.9	110	268	2.4	143	217	1.5	115	781	3.5	26	251
Steel .....	77	122	1.6	112	273	2.4	129	221	1.7	31	647	3.6	22	201
Bitum. coal .	82	137	1.7	140	318	2.3	130	216	1.7	7	678	3.7	12	194
Coke .....	10	18	1.8	17	40	2.4	16	26	1.6	4	88	3.3	2	29
Iron ore ....	8	13	1.6	14	36	2.6	15	32	2.1	2	83	4.4	.....	19
Total ...	297	519	1.7	438	1,036	2.4	481	772	1.6	173	2,500	3.6	68	770
Grand total.	752	1,225	1.6	1,478	3,223	2.2	2,204	4,173	1.9	608	9,234	3.3	462	3,260

## B.—RECAPITULATION OF SOURCES OF INCOME.

Industry.	Families—						Income—					
	Total.	Average size.	With income from—				Per family from—					Per individual.
			Husbands.	Wives.	Children.	Boarders, etc.	Husbands.	Wives.	Children.	Boarders, etc.	Average.	
<i>Unit. States</i>												
Pig iron ...	762	5.0	762	7	99	258	\$513.52	\$149.14	\$246.04	\$132.18	\$591.61	\$117.43
Bar iron ...	623	4.8	623	10	98	118	682.49	142.00	316.91	176.81	784.11	161.86
Steel .....	183	4.7	183	6	23	42	578.52	158.67	290.67	150.11	663.56	141.36
Bitum. coal	508	5.3	508	9	140	104	426.73	163.22	329.86	145.45	550.36	103.39
Coke .....	249	4.8	249	.....	30	39	516.46	.....	283.56	140.14	572.57	118.12
Iron ore ...	165	5.2	165	.....	23	70	322.82	.....	187.39	124.24	401.65	77.51
Total ..	2,490	5.0	2,490	32	418	631	534.53	152.66	293.58	143.52	622.14	124.11
<i>Europe.</i>												
Pig iron ...	76	5.0	76	.....	24	18	350.11	.....	253.63	62.21	444.94	88.99
Bar iron ..	251	5.2	251	2	96	48	337.41	173.70	236.94	67.64	442.35	85.08
Steel .....	201	5.2	201	1	77	48	442.89	486.65	187.97	53.53	530.10	101.57
Bitum. coal	194	5.6	194	1	82	22	361.26	131.40	254.96	109.16	432.08	86.20
Coke .....	29	5.3	29	.....	10	5	288.25	.....	213.93	119.19	383.57	71.58
Iron ore ....	19	6.6	19	.....	8	8	254.07	.....	148.54	76.22	343.71	53.00
Total ..	770	5.3	770	4	297	149	368.30	241.36	227.41	70.76	470.96	88.47
Grand total	3,260	5.1	3,260	36	715	780	495.27	162.51	266.10	129.62	586.43	115.30



TABLE XXIII.—RECAPITULATION OF COST OF LIVING, BY INDUSTRIES—  
Continued.

## C.—RECAPITULATION OF EXPENDITURE FOR RENT.

Industry.	Families.		Own house.	Hire.				
	Total	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Fam-ilies.	Rooms per family.		Family.	Indi-vidual.
<i>United States.</i>								
Pig iron.....	762	5.0	189	533	3.9	40	\$65.02	\$13.34
Bar iron.....	623	4.8	112	441	5.0	70	107.33	22.54
Steel.....	183	4.7	28	151	4.6	4	86.44	18.57
Bituminous coal.....	508	5.3	134	335	3.9	39	61.19	11.76
Coke.....	249	4.8	33	211	3.4	5	58.19	12.13
Iron ore.....	165	5.2	44	111	3.4	10	33.11	6.53
Total.....	2,490	5.0	540	1,782	4.1	168	74.58	15.23
<i>Europe.</i>								
Pig iron.....	76	5.0	.....	59	4.0	17	38.35	7.67
Bar iron.....	251	5.2	6	195	3.7	50	41.36	7.97
Steel.....	201	5.2	10	130	3.6	61	41.23	7.93
Bituminous coal.....	194	5.6	2	189	3.8	3	45.47	8.13
Coke.....	29	5.3	1	28	3.0	.....	35.35	6.73
Iron ore.....	19	6.6	12	7	2.4	.....	31.38	5.78
Total.....	770	5.3	34	603	3.7	131	41.76	7.91
Grand total.....	3,260	5.1	571	2,390	4.0	299	65.50	13.09

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (1.)

Industry.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
United States														
Pig iron .....	762	5.0	242	\$24.81	484	\$23.98	632	\$47.26	267	\$4.38	322	\$4.48	549	\$7.84
Bar iron .....	623	4.8	118	42.35	194	21.02	559	70.74	71	10.51	390	10.14	486	10.13
Steel.....	183	4.7	64	39.83	68	10.20	167	64.00	7	11.25	111	6.16	135	7.20
Bitum. coal .	508	5.3	58	27.93	103	25.35	490	63.48	19	7.74	29	5.34	209	11.61
Coke.....	249	4.8	29	21.90	41	24.18	241	56.45	10	6.95	14	5.17	219	11.72
Iron ore.....	165	5.2	66	27.87	76	26.81	121	45.36	10	3.66	45	2.86	65	7.14
Total ...	2,490	5.0	578	30.57	966	23.43	2,211	58.96	393	5.80	911	7.07	1,663	9.41
Europe.														
Pig iron.....	76	5.0			43	17.81	76	60.18			26	12.29	40	10.80
Bar iron .....	251	5.2	26	25.71	103	17.80	212	51.00	2	2.23	69	11.02	140	8.43
Steel.....	201	5.2			144	17.32	198	67.06			110	12.19	119	14.18
Bitum. coal.....	194	5.6	17	35.23	164	18.12	177	69.43			26	10.53	160	9.77
Coke.....	29	5.3			13	14.14	28	54.53			1	2.43	15	8.48
Iron ore.....	19	6.6			7	23.09	19	33.41					12	6.38
Total ...	770	5.3	43	29.47	474	17.74	710	60.72	2	2.23	232	11.62	495	10.39
Grand total.	3,260	5.1	621	30.49	1,440	21.55	2,921	59.39	395	5.78	1,143	7.99	2,158	9.64

TABLE XXIII.—RECAPITULATION OF COST OF LIVING, BY INDUSTRIES—  
Continued.

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (2.)

Industry.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
Pig iron ....	762	5.0	468	\$12.80	638	\$22.85	333	\$2.81	511	\$8.68	624	\$10.90	695	\$19.24
Bar iron ....	623	4.8	497	15.33	571	26.20	345	3.55	528	13.71	544	11.65	579	22.01
Steel.....	183	4.7	146	14.92	159	28.83	71	3.25	149	11.64	145	10.77	170	19.97
Bitum. coal .	508	5.3	229	11.41	409	26.45	133	8.13	382	8.57	390	10.88	501	21.66
Coke.....	249	4.8	179	12.94	207	25.59	117	5.20	179	6.45	224	10.16	244	15.50
Iron ore ....	165	5.2	82	9.24	125	22.99	35	2.50	81	7.59	151	8.88	160	15.83
Total ...	2,490	5.0	1,601	13.41	2,109	25.19	1,034	4.03	1,830	10.08	2,078	10.85	2,349	19.87
<i>Europe.</i>														
Pig iron ....	76	5.0	68	14.43	73	30.31	6	6.24	65	14.03	31	11.58	71	6.63
Bar iron ....	251	5.2	189	12.07	222	29.26	63	4.42	108	12.16	179	13.12	220	6.78
Steel.....	201	5.2	186	15.34	183	27.83	14	6.59	158	16.74	93	6.09	194	8.92
Bitum. coal .	194	5.6	177	15.67	188	23.87	3	4.84	162	16.03	44	12.11	182	9.42
Coke.....	29	5.3	28	11.90	28	22.14	7	7.51	14	13.79	15	15.76	24	6.78
Iron ore ....	19	6.6	13	7.64	17	34.41	.....	.....	.....	.....	19	14.76	18	3.28
Total ...	770	5.3	661	14.10	711	27.42	93	5.11	507	15.11	381	11.35	709	7.95
Grand total.	3,260	5.1	2,262	13.61	2,820	25.75	1,127	4.12	2,337	11.17	2,459	10.93	3,058	17.10

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (3.)

Industry.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
Pig iron ....	762	5.0	433	\$3.32	545	\$9.28	704	\$36.35	279	\$4.43	251	\$2.30	539	\$9.50
Bar iron ....	623	4.8	386	2.69	439	6.95	580	23.27	341	8.43	48	1.88	440	7.40
Steel.....	183	4.7	76	2.66	142	4.91	172	27.64	116	8.71	5	1.00	97	6.37
Bitum. coal .	508	5.3	155	4.56	304	10.38	505	40.45	40	3.89	66	4.35	158	7.17
Coke.....	249	4.8	134	3.15	182	7.68	249	35.02	59	4.51	19	3.72	103	4.91
Iron ore ....	165	5.2	95	3.74	98	8.90	164	38.59	27	3.44	27	1.61	72	5.23
Total ...	2,490	5.0	1,279	3.25	1,710	8.32	2,374	34.63	862	6.54	416	2.58	1,499	7.64
<i>Europe.</i>														
Pig iron ....	76	5.0	.....	.....	2	4.75	63	27.15	27	25.71	.....	.....	2	9.49
Bar iron ....	251	5.2	.....	.....	52	7.30	180	23.60	124	42.40	11	2.02	42	5.24
Steel.....	201	5.2	4	2.31	35	4.82	189	24.75	90	24.18	6	1.85	40	6.55
Bitum. coal .	194	5.6	10	2.90	153	6.65	187	37.09	32	32.99	4	1.28	7	11.61
Coke.....	29	5.3	2	1.22	13	5.07	16	27.39	15	55.07	.....	.....	1	6.33
Iron ore ....	19	6.6	.....	.....	1	23.80	12	9.08	10	44.37	1	2.38	.....	.....
Total ...	770	5.3	22	2.70	256	6.50	647	28.01	307	35.35	22	1.86	92	6.40
Grand total.	3,260	5.1	1,301	3.24	1,966	8.08	3,021	33.21	1,169	14.10	438	2.55	1,591	7.57

TABLE XXIII.—RECAPITULATION OF COST OF LIVING, BY INDUSTRIES—Continued.

## D.—RECAPITULATION OF EXPENDITURE FOR FOOD. (4.)

Industry.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>United States</i>												
Pig iron ....	762	5.0	620	\$8.95	591	\$5.60	301	\$4.06	760	\$39.33	\$235.66	\$46.78
Bar iron ....	623	4.8	567	9.25	539	9.84	119	3.48	610	47.81	281.21	58.05
Steel .....	183	4.7	169	8.39	160	6.98	32	1.47	179	37.36	254.18	54.15
Bitum. coal.	508	5.3	412	10.55	226	9.25	46	1.54	499	34.67	237.44	44.61
Coke .....	249	4.8	235	11.05	201	10.25	181	2.14	248	16.96	218.66	45.11
Iron ore ....	165	5.2	129	9.00	80	5.22	40	1.69	162	14.71	183.83	35.48
Total ...	2,490	5.0	2,132	9.53	1,797	7.96	719	3.07	2,458	36.47	243.65	48.60
<i>Europe.</i>												
Pig iron ....	76	5.0	65	9.29	52	8.33	8	1.06	65	27.23	214.65	42.93
Bar iron ....	251	5.2	178	9.59	169	8.30	48	2.39	208	30.44	196.13	37.72
Steel .....	201	5.2	193	9.78	150	8.85	8	2.41	199	38.21	249.13	47.74
Bitum. coal.	194	5.6	186	10.64	138	5.69	4	1.41	192	25.60	240.01	42.91
Coke .....	29	5.3	28	13.47	17	6.43	.....	.....	29	19.99	201.50	37.70
Iron ore ....	19	6.6	16	14.20	14	2.55	3	2.41	19	9.07	174.60	26.54
Total ...	770	5.3	666	10.19	540	7.71	69	2.22	712	30.02	222.52	41.80
Grand total.	3,260	5.1	2,798	9.68	2,337	7.90	788	3.00	3,170	35.02	238.66	46.92

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Industry.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
			Families.		Families.		Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
Pig iron ....	762	5.0	755	\$27.26	758	\$3.98	761	\$37.30	748	\$24.97	631	\$49.70
Bar iron ....	623	4.8	622	32.30	619	6.57	622	35.87	621	28.62	512	59.39
Steel .....	183	4.7	180	28.63	181	4.56	183	33.69	180	23.81	154	53.09
Bitum. coal.	508	5.3	440	15.69	508	4.30	508	33.87	507	19.92	442	58.31
Coke .....	249	4.8	161	14.60	246	2.86	249	39.62	245	25.98	201	55.36
Iron ore ....	165	5.2	146	25.93	164	3.20	165	22.91	163	16.66	137	88.30
Total ...	2,490	5.0	2,304	25.55	2,476	4.57	2,488	35.72	2,464	24.28	2,077	53.97
<i>Europe.</i>												
Pig iron ....	76	5.0	76	20.18	76	5.58	76	24.54	76	21.33	65	39.94
Bar iron ....	251	5.2	246	18.51	246	5.51	249	26.73	243	19.15	223	41.28
Steel .....	201	5.2	201	16.69	201	5.96	201	25.15	197	21.66	178	41.41
Bitum. coal.	194	5.6	189	14.92	192	5.08	193	17.81	189	14.37	182	33.86
Coke .....	29	5.3	29	14.75	29	4.51	29	19.10	26	13.03	27	23.43
Iron ore ....	19	6.6	19	11.39	19	3.68	19	18.61	19	10.41	19	36.33
Total ...	770	5.3	760	16.93	763	5.45	767	23.37	750	18.39	694	38.61
Grand total.	3,260	5.1	3,064	23.42	3,239	4.78	3,255	32.81	3,214	22.90	2,771	50.12



TABLE XXIII.—RECAPITULATION OF COST OF LIVING, BY INDUSTRIES—  
Continued.

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)

Industry.	Families.		Pit expenses.		Taxes.		Insurance.				Organizations.			
							Property.		Life.		Labor.		Other.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
Pig iron .....	762	5.0	.....	.....	592	\$5.59	124	\$5.79	118	\$18.13	81	\$7.26	173	\$10.18
Bar iron .....	623	4.8	.....	.....	227	13.29	121	7.69	189	24.70	279	7.28	260	14.14
Steel .....	183	4.7	.....	.....	56	11.64	29	9.71	52	19.52	53	4.91	38	9.15
Bitum. coal ..	508	5.3	134	\$37.31	399	5.19	84	3.66	17	15.45	264	5.24	203	8.07
Coke .....	249	4.8	.....	.....	190	3.77	11	9.36	21	13.60	76	3.73	39	6.76
Iron ore .....	165	5.2	.....	.....	108	3.36	24	1.99	4	12.05	.....	.....	30	6.20
Total ...	2,490	5.0	134	37.31	1,572	6.44	393	6.08	401	21.00	753	6.03	743	10.60
<i>Europe.</i>														
Pig iron .....	76	5.0	.....	.....	32	1.25	.....	.....	21	12.21	16	3.71	42	9.78
Bar iron .....	251	5.2	.....	.....	83	4.14	31	1.29	77	10.36	42	3.18	129	9.04
Steel .....	201	5.2	.....	.....	128	6.66	8	7.23	75	4.46	80	8.48	105	6.67
Bitum. coal ..	194	5.6	3	7.54	20	4.39	11	1.19	157	11.24	109	6.61	126	6.38
Coke .....	29	5.3	.....	.....	11	4.03	2	4.09	16	10.97	10	3.75	6	4.15
Iron ore .....	19	6.6	.....	.....	19	4.54	13	2.70	19	7.11	3	1.52	4	1.38
Total ...	770	5.3	3	7.54	293	4.97	65	2.38	365	9.49	260	6.28	412	7.55
Grand total.	3,260	5.1	137	36.65	1,865	6.21	458	5.55	766	15.51	1,013	6.10	1,155	9.51

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)

Industry.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
Pig iron .....	762	5.0	570	\$7.70	557	\$2.76	690	\$25.13	604	\$5.70	386	\$11.28
Bar iron .....	623	4.8	456	9.72	447	5.92	539	26.43	547	8.25	252	22.37
Steel .....	183	4.7	129	7.81	126	3.74	134	19.31	147	6.66	64	11.71
Bitum. coal ..	508	5.3	314	6.94	407	4.41	369	23.19	408	5.30	192	10.68
Coke .....	249	4.8	137	7.16	161	3.84	119	20.85	165	4.73	48	14.72
Iron ore .....	165	5.2	105	4.03	26	1.62	138	20.55	103	3.71	44	10.25
Total ...	2,490	5.0	1,711	7.86	1,724	4.13	1,989	24.16	1,974	6.21	986	14.15
<i>Europe.</i>												
Pig iron .....	76	5.0	44	4.32	14	2.49	43	6.72	60	5.01	59	21.03
Bar iron .....	251	5.2	125	3.58	130	1.34	201	6.94	164	4.83	205	21.04
Steel .....	201	5.2	124	6.94	113	4.62	149	9.35	159	5.73	158	25.83
Bitum. coal ..	194	5.6	101	3.96	89	2.18	174	5.07	179	3.89	122	14.29
Coke .....	29	5.3	21	2.00	18	1.26	24	5.92	23	2.60	13	10.95
Iron ore .....	19	6.6	19	1.48	15	.64	19	12.86	16	2.41	5	3.00
Total ...	770	5.3	434	4.53	379	2.53	610	7.13	601	4.65	562	20.53
Grand total.	3,260	5.1	2,145	7.19	2,103	3.84	2,599	20.16	2,575	5.85	1,548	16.49

TABLE XXIII.—RECAPITULATION OF COST OF LIVING, BY INDUSTRIES—  
Continued.

## E.—RECAPITULATION OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Industry.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>United States</i>												
Pig iron ....	762	5.0	487	\$17.61	665	\$11.46	727	\$20.86	730	\$36.61	\$262.10	\$52.02
Bar iron ....	623	4.8	293	25.10	495	13.17	541	25.51	581	34.94	302.43	62.43
Steel .....	183	4.7	70	26.55	140	10.48	165	20.43	172	21.68	236.58	50.40
Bitum. coal ..	508	5.3	309	18.09	436	9.30	457	19.63	506	29.84	242.71	45.60
Coke .....	249	4.8	104	20.25	223	8.99	208	16.47	247	13.46	194.72	40.17
Iron ore .....	165	5.2	66	8.58	141	9.88	150	18.32	147	25.87	184.83	35.67
Total .....	2,490	5.0	1,329	19.60	2,100	10.98	2,248	21.12	2,383	30.62	254.50	50.77
<i>Europe.</i>												
Pig iron ....	76	5.0	46	20.00	43	14.11	70	6.67	16	19.06	173.22	34.64
Bar iron ....	251	5.2	180	25.26	198	8.26	122	6.97	138	9.78	176.93	34.03
Steel .....	201	5.2	107	26.19	103	10.35	148	8.41	85	26.40	193.99	37.17
Bitum. coal ..	194	5.6	162	21.76	174	9.85	162	7.92	75	14.25	159.96	28.60
Coke .....	29	5.3	25	20.85	22	8.55	27	9.22	15	12.57	140.15	28.22
Iron ore .....	19	6.6	17	7.53	18	4.01	18	13.87	19	43.08	178.85	27.19
Total .....	770	5.3	537	23.17	558	9.47	547	7.94	348	17.17	175.40	32.95
Grand total ..	3,260	5.1	1,866	20.63	2,658	10.66	2,795	18.54	2,731	28.91	235.82	46.36

## F.—RECAPITULATION OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Industry.	Families.		Own house	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Aver. age size.		Rent.	Food.	Other pur- poses.	All pur- poses.	Hns. band.	All sources.	Surplus.		Deficit.	
										Fam- ilies.	Aver- age.	Fam- ilies.	Aver- age.
<i>Unit. States</i>													
Pig iron...	762	5.0	189	\$65.02	\$235.66	\$262.10	\$546.23	\$513.52	\$591.61	511	\$99.23	249	\$64.75
Bar iron...	623	4.8	112	107.33	281.21	302.43	671.50	698.49	784.11	405	205.49	207	63.13
Steel .....	183	4.7	28	86.44	254.18	236.58	563.50	578.52	663.56	117	199.83	66	76.81
Bitum. coal	508	5.3	134	61.19	237.44	242.71	524.71	426.73	550.30	273	92.29	207	58.91
Coke .....	249	4.8	33	58.19	218.66	194.72	462.69	516.46	572.57	191	157.88	58	48.18
Iron ore...	165	5.2	44	33.11	183.83	184.83	390.93	322.82	401.65	83	62.28	82	41.48
Total..	2,490	5.0	540	74.58	243.65	254.50	555.81	534.53	622.14	1,580	137.87	869	60.59
<i>Europe.</i>													
Pig iron...	76	5.0	-----	38.35	214.65	173.22	426.22	350.11	444.94	36	42.89	7	17.30
Bar iron...	251	5.2	6	41.36	196.13	176.93	413.09	337.41	442.35	145	70.10	75	37.62
Steel .....	201	5.2	10	41.23	249.13	193.99	482.30	442.89	530.10	110	92.77	29	20.57
Bitum. coal	194	5.6	2	45.47	240.01	159.96	444.73	361.26	482.08	130	61.23	31	22.98
Coke .....	29	5.3	1	35.35	201.50	140.15	375.78	288.25	382.57	12	44.40	14	24.00
Iron ore...	19	6.6	12	31.38	174.60	178.85	365.01	254.07	348.71	8	31.89	11	51.35
Total..	770	5.3	31	41.76	222.52	175.40	437.83	368.30	470.96	441	69.52	167	30.85
Grand total	3,260	5.1	571	65.50	238.66	235.82	527.94	495.27	586.43	2,021	122.95	1,036	55.79

TABLE XXIII.—RECAPITULATION OF COST OF LIVING, BY INDUSTRIES—  
Concluded.

## G.—RECAPITULATION OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.

Industry.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>United States.</i>								
Pig iron .....	762	5.0	189	\$13.34	\$16.78	\$52.02	\$108.42	\$117.43
Bar iron .....	623	4.8	112	22.54	58.05	62.43	138.62	161.86
Steel .....	183	4.7	28	18.57	54.15	50.40	120.05	141.36
Bituminous coal .....	508	5.3	134	11.76	44.61	45.60	98.58	103.39
Coke .....	249	4.8	33	12.13	45.11	40.17	95.45	118.12
Iron ore .....	165	5.2	44	6.53	35.48	35.67	75.44	77.51
Total .....	2,490	5.0	540	15.23	48.60	50.77	110.83	124.11
<i>Europe.</i>								
Pig iron .....	76	5.0	-----	7.67	42.93	34.64	85.24	88.99
Bar iron .....	251	5.2	6	7.97	37.72	34.03	79.45	85.08
Steel .....	201	5.2	10	7.93	47.74	37.17	92.41	101.57
Bituminous coal .....	194	5.6	2	8.13	42.91	28.60	79.52	86.20
Coke .....	29	5.3	1	6.73	37.70	26.22	70.31	71.58
Iron ore .....	19	6.6	12	5.78	26.54	27.19	55.48	53.00
Total .....	770	5.3	31	7.91	41.80	32.95	82.25	88.47
Grand total .....	3,260	5.1	571	13.09	46.92	46.36	103.80	115.30

## H.—RECAPITULATION OF MEANS OF SUPPORT.

[Two other natural combinations suggest themselves as lacking in this table, namely, "Husband and wife" and "Husband and children," but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of "Husband, wife, and children" consists of "Husband and children."]

Industry.	Total fam- ilios.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
<i>United States.</i>									
Pig iron.....	762	305	137	49	16	127	87	33	8
Bar iron.....	623	291	141	42	35	61	24	22	7
Steel.....	183	81	36	7	17	26	8	3	5
Bituminous coal.....	508	158	136	78	32	43	27	22	12
Coke.....	249	146	40	19	5	23	11	3	2
Iron ore.....	165	36	44	11	16	33	18	3	4
Total.....	2,490	a 1,017	534	b 206	121	c 313	175	d 86	38
<i>Europe.</i>									
Pig iron.....	76	34	2	18	4	15	1	2	-----
Bar iron.....	251	87	38	62	17	15	14	12	6
Steel.....	201	74	19	51	4	30	5	17	1
Bituminous coal.....	194	82	15	64	11	10	4	7	1
Coke.....	29	8	8	6	2	-----	3	1	1
Iron ore.....	19	2	5	2	3	2	2	2	1
Total.....	770	e 287	87	f 203	41	g 72	29	h 41	10
Grand total.....	3,260	i 1,304	621	j 409	162	k 385	204	c 127	48

a In twenty-five cases expenditure equals income.

b In eight cases expenditure equals income.

c In six cases expenditure equals income.

d In two cases expenditure equals income.

e In one hundred and two cases expenditure equals income.

f In thirty cases expenditure equals income.

g In twenty-six cases expenditure equals income.

h In four cases expenditure equals income.

i In one hundred and twenty-seven cases expenditure equals income.

j In thirty-eight cases expenditure equals income.

k In thirty-two cases expenditure equals income.



TABLE XXIV.—SUMMARY OF COST OF LIVING FOR ALL INDUSTRIES COMBINED, BY NATIONALITIES.

## A.—SUMMARY OF CONDITION AS TO CHILDREN.

Nationality of husband.	Children at work.			Children at school.			Children at home.			Children, condition unkn.	Total children.	Average children, per family.	Families without children.	Total families.
	Families.	Children.	Average.	Families.	Children.	Average.	Families.	Children.	Average.					
<i>United States</i>														
American...	167	237	1.4	508	1,008	2.0	887	1,676	1.9	253	3,174	3.0	222	1,204
Austrian...				1	3	3.0	6	11	1.8		14	2.3		6
Belgian...	1	1	1.0	2	3	1.5	2	3	1.5		7	3.5		2
Bohemian...	2	2	1.0	5	10	2.0	8	17	2.1		29	3.2	2	11
Canadian...	2	2	1.0	5	9	1.8	6	8	1.3		19	3.2	1	7
Danish...							3	7	2.3	1	8	2.0		4
English...	60	98	1.6	89	192	2.2	172	345	2.0	38	673	3.3	33	238
French...	5	8	1.6	9	16	1.8	15	33	2.2	5	62	3.1	4	24
Fr. Canadian...				2	3	1.5	7	11	1.6	4	18	2.6	3	10
German...	50	73	1.5	138	294	2.1	194	378	1.9	40	785	3.3	38	270
Hungarian...	1	1	1.0	5	8	1.6	8	13	1.6	1	23	2.3	3	13
Irish...	104	185	1.8	200	476	2.4	254	509	2.0	55	1,225	3.8	01	385
Italian...				5	10	2.0	6	11	1.8		21	3.0	2	9
Norwegian...							1	2	2.0		2	2.0		1
Polish...	2	3	1.5	6	10	1.7	17	30	1.8	4	47	2.5	2	21
Scotch...	18	32	1.8	18	39	2.2	47	134	2.9	11	216	4.2	10	62
Swedish...	2	3	1.5	3	6	2.0	5	8	1.6	3	20	3.3	2	8
Swiss...				5	15	3.0	7	16	2.3		31	4.4	1	8
Welsh...	41	61	1.5	39	90	2.3	78	189	2.4	20	360	3.6	10	111
Total...	455	706	1.6	1,040	2,192	2.1	1,723	3,401	2.0	435	6,734	3.2	394	2,490
<i>Europe.</i>														
Belgian...	61	138	2.3	52	115	2.2	64	99	1.5	62	414	3.8	9	118
English...	100	151	1.5	196	468	2.4	184	287	1.6	12	918	3.5	27	293
French...	11	20	1.8				10	18	1.8	31	69	3.6	3	22
German...	20	30	1.5	36	93	2.6	50	103	2.1	21	247	3.9	2	66
Irish...	14	22	1.6	22	45	2.0	24	31	1.3		98	2.9	4	38
Italian...	1	3	3.0	1	2	2.0	1	2	2.0		7	7.0		1
Polish...	6	10	1.7	4	13	3.3	33	67	2.0	35	125	3.5	2	38
Scotch...	51	91	1.8	82	207	2.5	71	110	1.5	10	418	3.9	8	114
Welsh...	33	54	1.6	45	93	2.1	44	55	1.3	2	204	3.0	13	80
Total...	297	519	1.7	438	1,036	2.4	481	772	1.6	173	2,500	3.6	68	770
Grand total.	752	1,225	1.6	1,478	3,228	2.2	2,204	4,173	1.9	608	9,234	3.3	462	3,260

TABLE XXIV.—SUMMARY OF COST OF LIVING FOR **ALL INDUSTRIES** COMBINED, BY NATIONALITIES—Continued.**B.—SUMMARY OF SOURCES OF INCOME.**

Nationality of husband.	Families—						Income—					
	Total.	Aver- age size.	With income from—				Per family from—					Per indi- vidual.
			Hus- bands	Wives.	Chil- dren.	Board- ers, etc.	Hus- bands.	Wives.	Chil- dren.	Board- ers, etc.	Aver- age.	
<i>Unit. States.</i>												
American..	1,294	4.8	1,294	21	160	348	\$520.43	\$141.86	\$238.62	\$116.91	\$583.68	\$122.55
Austrian ..	6	5.0	6	.....	.....	2	445.79	.....	.....	36.00	457.79	91.56
Belgian ..	2	5.5	2	.....	.....	1	392.56	.....	.....	90.00	437.56	79.56
Bohemian ..	11	4.6	11	.....	2	1	485.04	.....	140.00	160.00	525.04	113.24
Canadian ..	7	4.9	7	.....	2	1	679.15	.....	135.00	240.00	752.01	154.83
Danish ....	4	4.0	4	.....	.....	2	448.14	.....	.....	19.50	457.89	114.47
English....	238	5.1	238	1	55	54	534.17	150.00	308.07	136.08	636.86	125.68
French....	24	4.8	24	1	4	6	463.77	100.00	350.25	150.00	563.82	118.70
Fr.Canadn..	10	6.7	10	.....	.....	7	370.18	.....	.....	361.57	623.28	93.03
German....	276	5.0	276	1	34	54	509.57	100.00	254.91	173.62	635.30	125.87
Hungarian..	13	6.4	13	.....	.....	7	415.60	.....	.....	305.37	580.03	90.85
Irish....	385	5.5	385	6	100	103	551.48	217.67	353.93	183.52	695.90	126.98
Italian....	9	4.3	9	1	.....	.....	535.76	150.00	.....	.....	552.42	127.48
Norwegian ..	1	4.0	1	.....	.....	.....	620.00	.....	.....	.....	620.00	155.00
Polish....	21	5.2	21	1	2	7	496.10	100.00	105.00	220.57	584.38	111.56
Scotch....	62	5.9	62	.....	17	11	572.05	.....	511.27	161.45	740.83	125.85
Swedish....	8	4.8	8	.....	2	.....	388.80	.....	140.00	.....	423.80	89.22
Swiss....	8	6.0	8	.....	.....	.....	327.63	.....	.....	.....	327.63	54.61
Welsh....	111	5.4	111	.....	40	27	614.86	.....	310.07	176.21	769.46	142.35
Total ..	2,490	5.0	2,490	32	418	631	534.53	152.66	293.58	143.52	622.14	124.11
<i>Europe.</i>												
Belgian....	118	5.7	118	2	61	20	241.06	173.70	262.26	57.13	389.26	68.86
English....	293	5.1	293	1	100	21	416.92	131.40	217.42	72.23	496.75	96.71
French....	22	5.0	22	.....	11	7	307.55	.....	213.83	55.69	432.18	85.66
German....	66	6.3	66	.....	20	30	253.51	.....	153.42	99.07	345.03	54.87
Irish....	38	4.6	38	.....	14	5	355.14	.....	257.09	57.82	457.46	99.91
Italian....	1	9.0	1	.....	1	.....	202.45	.....	301.73	.....	504.18	56.02
Polish....	38	5.4	38	.....	6	8	235.67	.....	99.70	25.58	256.80	47.84
Scotch....	114	5.6	114	1	51	46	533.65	486.65	245.33	53.85	669.40	118.50
Welsh....	80	4.6	80	.....	33	12	324.99	.....	223.34	129.24	436.50	94.38
Total ..	770	5.3	770	4	297	149	368.30	241.36	227.41	70.76	470.96	88.47
Grand total	3,260	5.1	3,260	36	715	780	495.27	162.51	266.10	129.62	586.43	115.30

TABLE XXIV.—SUMMARY OF COST OF LIVING FOR ALL INDUSTRIES COMBINED, BY NATIONALITIES—Continued.

## C.—SUMMARY OF EXPENDITURE FOR RENT.

Nationality of husband.	Families.		Own house.	Hire.				
	Total.	Average size.		Reporting rooms.		Families not reporting rooms.	Rent per—	
				Families.	Rooms per family.		Family.	Individual.
<i>United States.</i>								
American.....	1,294	4.8	236	959	3.9	99	\$71.43	\$15.30
Austrian.....	6	5.0	1	5	3.4	.....	61.60	11.85
Belgian.....	2	5.5	.....	2	2.5	.....	46.50	8.45
Bohemian.....	11	4.6	4	.....	.....	7	56.57	13.66
Canadian.....	7	4.9	.....	7	4.9	.....	85.71	17.65
Danish.....	4	4.0	3	1	3.0	.....	84.00	23.00
English.....	238	5.1	49	174	4.4	15	75.62	14.66
French.....	24	4.8	5	19	3.7	.....	63.89	13.34
French Canadian.....	10	6.7	.....	10	3.3	.....	45.80	6.84
German.....	276	5.0	106	158	4.0	12	83.31	18.05
Hungarian.....	13	6.4	2	11	3.5	.....	67.09	9.97
Irish.....	385	5.5	95	274	4.7	16	80.70	15.30
Italian.....	9	4.3	1	8	4.1	.....	71.13	15.81
Norwegian.....	1	4.0	.....	1	4.0	.....	90.00	22.50
Polish.....	21	5.2	2	19	3.9	.....	72.63	13.94
Scotch.....	62	5.9	11	50	4.6	1	74.22	12.79
Swedish.....	8	4.8	2	5	3.8	1	63.83	12.35
Swiss.....	8	6.0	.....	8	3.1	.....	43.63	7.27
Welsh.....	111	5.4	23	71	4.8	17	85.68	16.22
Total.....	2,490	5.0	540	1,782	4.1	168	74.58	15.23
<i>Europe.</i>								
Belgian.....	118	5.7	7	82	3.6	29	32.46	5.70
English.....	293	5.1	7	284	4.0	2	50.20	9.79
French.....	22	5.0	.....	3	4.0	19	29.65	5.88
German.....	66	6.3	13	52	2.8	1	29.60	4.90
Irish.....	38	4.6	.....	34	3.8	4	45.24	9.88
Italian.....	1	9.0	.....	1	3.0	.....	47.45	5.27
Polish.....	38	5.4	.....	35	2.0	3	11.79	2.23
Scotch.....	114	5.6	1	40	4.0	73	50.30	8.94
Welsh.....	80	4.6	3	77	4.0	.....	35.42	7.68
Total.....	770	5.3	31	608	3.7	181	41.76	7.91
Grand total.....	3,260	5.1	571	2,390	4.0	299	65.50	13.09



TABLE XXIV.—SUMMARY OF COST OF LIVING FOR **ALL INDUSTRIES** COMBINED, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (1.)**

Nationality of husband.	Families.		Beef.		Hog products.		Meat (not specified).		Poultry.		Fish.		Eggs.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	1,294	4.8	370	\$23.41	630	\$23.37	1,111	\$49.95	303	\$5.97	471	\$6.87	906	\$8.14
Austrian...	6	5.0	2	50.00	1	42.80	4	44.70					1	3.00
Belgian...	2	5.5					2	45.00						
Bohemian...	11	4.6					9	107.67					9	6.32
Canadian...	7	4.9	2	24.00	2	27.50	6	65.57			3	6.57	4	4.63
Danish...	4	4.0					4	56.75						
English...	238	5.1	45	41.89	66	20.73	225	63.89	16	4.33	80	7.16	142	10.23
French...	24	4.8	4	32.50	7	28.88	20	71.37			5	3.43	11	13.59
Fr.Canadian...	10	6.7	8	32.13	8	37.48	6	64.90			6	6.33	7	9.62
German...	276	5.0	12	45.50	42	25.24	249	69.90	8	5.55	82	8.01	158	10.37
Hungarian...	13	6.4	4	49.50	1	30.00	13	46.88			3	2.83	8	11.35
Irish...	385	5.5	97	44.44	156	24.01	363	67.24	57	5.37	219	7.22	298	11.32
Italian...	9	4.3					9	55.31			5	10.00	7	9.78
Norwegian...	1	4.0			1	12.00	1	147.00	1	7.20			1	9.00
Polish...	21	5.2	4	37.75	5	22.32	20	45.27			3	8.47	17	9.07
Scotch...	62	5.9	18	40.39	17	21.38	60	75.57	3	8.67	16	5.75	34	11.81
Swedish...	8	4.8	2	29.00	2	15.05	7	52.76			1	10.80	2	11.72
Swiss...	8	6.0					8	45.25					3	16.43
Welsh...	111	5.4	10	59.69	28	20.80	94	80.50	5	3.51	17	7.63	55	13.17
Total...	2,490	5.0	578	30.57	966	23.43	2,211	58.96	392	5.80	911	7.07	1,663	9.41
<i>Europe.</i>														
Belgian...	118	5.7	27	29.08	3	7.18	87	36.07					80	7.76
English...	203	5.1			234	17.07	290	63.12			84	11.02	217	9.09
French...	22	5.0			2	5.80	22	44.86			2	3.94	3	8.56
German...	66	6.3	12	30.74	29	22.39	53	40.91	1	.74	9	2.80	21	6.17
Irish...	38	4.6			26	18.09	36	62.36			18	15.46	24	11.04
Italian...	1	9.0			1	37.96	1	75.92					1	9.73
Polish...	38	5.4	4	28.32	29	12.80	29	28.94	1	3.71	19	2.45	7	4.31
Scotch...	114	5.6			108	19.78	114	91.96			98	14.24	103	16.59
Welsh...	80	4.6			42	17.07	78	62.48			2	8.48	39	9.80
Total...	770	5.3	43	29.47	474	17.74	710	60.72	2	2.23	232	11.62	495	10.39
Grand total.	3,260	5.1	621	30.49	1,440	21.55	2,921	59.39	395	5.78	1,143	7.99	2,158	9.64

**TABLE XXIV.—SUMMARY OF COST OF LIVING FOR ALL INDUSTRIES COMBINED, BY NATIONALITIES—Continued.****D.—SUMMARY OF EXPENDITURE FOR FOOD. (2.)**

Nationality of husband.	Families.		Milk.		Butter.		Cheese.		Tea.		Coffee.		Sugar.	
	Total.	Aver- age size.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.	Fam- ilies.	Aver- age cost.
<i>United States</i>														
American...	1,294	4.8	778	\$12.34	1,098	\$20.99	514	\$3.19	862	\$8.40	1,173	\$11.13	1,230	\$18.22
Austrian...	6	5.0	3	10.44	4	14.40	2	3.87	1	2.53	3	12.45	5	16.15
Belgian...	2	5.5	1	18.25	2	27.30	.....	.....	.....	.....	2	16.23	2	12.13
Bohemian...	11	4.6	8	6.23	7	12.86	2	5.00	6	3.17	9	7.17	9	13.94
Canadian...	7	4.9	4	10.35	5	27.34	3	2.80	5	8.60	5	14.00	6	24.06
Danish...	4	4.0	1	16.60	3	24.83	.....	.....	3	7.00	3	13.71	3	13.00
English...	232	5.1	154	13.47	208	28.08	108	5.35	212	11.20	178	9.11	229	21.84
French...	24	4.8	14	13.40	22	24.21	6	5.75	19	7.03	20	13.37	24	16.90
Fr. Canadian	10	6.7	3	10.67	10	37.93	2	3.00	10	16.90	4	7.24	10	25.66
German...	276	5.0	184	14.15	215	26.13	107	4.68	189	7.70	244	12.76	245	17.15
Hungarian...	13	6.4	9	12.34	11	26.31	5	5.23	4	8.98	11	14.54	13	12.89
Irish...	385	5.5	295	15.56	334	32.73	202	3.75	351	14.36	280	9.49	368	24.86
Italian...	9	4.3	9	13.94	9	20.37	7	4.16	7	8.71	7	9.70	9	16.79
Norwegian...	1	4.0	1	16.80	1	36.00	.....	.....	.....	.....	1	28.80	1	14.40
Polish...	21	5.2	18	11.22	19	21.85	11	4.89	10	8.75	19	10.44	19	11.78
Scotch...	62	5.9	38	16.95	54	35.27	24	6.26	49	12.96	34	8.81	60	25.78
Swedish...	8	4.8	7	7.71	7	23.17	1	2.25	7	10.20	7	8.27	7	16.44
Swiss...	8	6.0	3	15.33	4	12.70	3	20.20	2	5.00	8	7.99	8	11.50
Welsh...	111	5.4	71	14.49	96	34.43	36	8.33	93	11.27	70	9.80	101	25.01
Total...	2,490	5.0	1,601	13.41	2,109	25.19	1,034	4.03	1,830	10.08	2,078	10.85	2,349	19.87
<i>Europe.</i>														
Belgian...	118	5.7	79	10.97	112	35.93	49	4.19	.....	.....	116	18.41	92	4.47
English...	293	5.1	272	14.87	232	23.95	18	6.87	282	13.80	70	4.57	280	8.76
French...	22	5.0	8	10.61	17	24.59	10	4.57	.....	.....	19	17.77	16	7.26
German...	66	6.3	50	8.53	53	25.52	1	4.99	.....	.....	62	13.81	56	4.73
Irish...	38	4.6	34	13.90	36	22.38	5	7.06	36	13.24	7	3.97	36	8.71
Italian...	1	9.0	1	12.65	1	18.25	.....	.....	1	23.20	.....	.....	1	20.28
Polish...	33	5.4	38	8.82	20	8.98	.....	.....	.....	.....	38	6.30	38	7.93
Scotch...	114	5.6	109	21.43	113	35.32	9	5.98	112	17.17	68	5.95	114	10.15
Welsh...	80	4.6	70	10.59	77	25.32	1	6.33	76	17.69	1	3.65	76	7.84
Total...	770	5.3	661	14.10	711	27.42	93	5.11	507	15.11	381	11.35	709	7.95
Grand total.	3,260	5.1	2,262	13.61	2,820	25.75	1,127	4.12	2,337	11.17	2,459	10.93	3,058	17.10

TABLE XXIV.—SUMMARY OF COST OF LIVING FOR **ALL INDUSTRIES** COMBINED, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (3.)**

Nationality of husband.	Families.		Molasses.		Lard.		Flour and meal.		Bread.		Rice.		Fruit.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American...	1,294	4.8	768	\$3.34	937	\$9.12	1,247	\$32.31	428	\$5.85	235	\$2.22	775	\$7.94
Austrian...	6	5.0	2	.90	3	7.72	5	29.26	2	5.54	2	5.67	1	1.05
Belgian...	2	5.5					2	34.40						
Bohemian...	11	4.6	1	4.00			9	22.67					9	3.17
Canadian...	7	4.9	4	2.56	6	11.42	6	34.23	3	2.69	1	3.00	2	2.85
Danish...	4	4.0			3	5.72	4	26.10					1	20.00
English...	238	5.1	109	3.18	159	7.42	230	35.43	82	5.11	30	3.02	135	7.75
French...	24	4.8	6	1.92	17	8.78	24	34.71	4	12.25	2	3.80	9	4.89
Fr. Canadian	10	6.7	5	3.16	10	10.72	10	41.88	3	8.33	5	2.03	8	9.91
German...	276	5.0	137	3.02	159	6.80	248	32.91	82	6.50	29	3.19	178	6.13
Hungarian...	13	6.4	6	3.29	7	4.97	13	32.66	4	2.26	1	3.25	8	3.07
Irish...	385	5.5	167	2.78	279	6.71	369	41.07	213	7.68	85	2.84	281	7.94
Italian...	9	4.3	7	4.37	7	3.69	9	28.39	3	4.71			8	3.31
Norwegian...	1	4.0	1	3.60	1	12.00	1	18.00						
Polish...	21	5.2	10	5.02	14	3.76	20	26.25	9	14.69	1	.80	15	2.90
Scotch...	62	5.9	21	3.27	45	10.01	61	45.45	18	4.78	7	3.39	29	9.57
Swedish...	8	4.8	2	1.95	4	4.04	7	26.46	2	8.25			2	5.63
Swiss...	8	6.0	2	3.30	3	11.67	8	32.03			3	3.30	2	2.50
Welsh...	111	5.4	31	4.49	56	9.99	101	39.91	9	21.50	15	3.85	36	10.13
Total...	2,490	5.0	1,279	3.25	1,710	8.32	2,374	34.63	862	6.54	416	2.58	1,499	7.64
<i>Europe.</i>														
Belgian...	118	5.7			23	7.26	67	45.19	56	51.41				
English...	293	5.1	13	2.92	164	6.01	281	28.48	61	17.12	3	2.20	7	2.72
French...	22	5.0			12	11.87	4	42.85	22	64.91	4	1.28	25	8.89
German...	66	6.3			5	17.87	42	9.99	2	2.78	2	2.78	3	3.78
Irish...	38	4.6			10	6.40	35	26.36	62	42.24	4	1.64	7	1.73
Italian...	1	9.0			1	24.33	1	58.40	7	14.46			4	6.57
Polish...	38	5.4					38	5.00						
Scotch...	114	5.6	2	2.13	3	4.22	113	27.32	38	35.25	9	1.89	16	2.50
Welsh...	80	4.6	7	2.47	38	4.71	66	33.95	37	24.23			29	8.68
Total...	770	5.3	22	2.70	256	6.50	647	28.01	307	35.35	22	1.86	92	6.40
Grand total.	3,260	5.1	1,301	3.24	1,966	8.08	3,021	33.21	1,169	14.10	438	2.55	1,591	7.57



TABLE XXIV.—SUMMARY OF COST OF LIVING FOR **ALL INDUSTRIES** COMBINED, BY NATIONALITIES—Continued.**D.—SUMMARY OF EXPENDITURE FOR FOOD. (4.)**

Nationality of husband.	Families.		Potatoes.		Vegetables (not specified).		Vinegar, pickles, and condiments.		Food (not specified).		Total food, cost per—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Family.	Individual.
<i>United States</i>												
American...	1,294	4.8	1,126	\$8.49	946	\$7.10	347	\$3.30	1,277	\$30.62	\$220.57	\$46.31
Austrian...	6	5.0	4	15.33	4	7.06	1	1.40	6	75.42	213.34	42.67
Belgian...	2	5.5	1	19.50	—	—	—	—	2	36.25	190.18	34.58
Bohemian...	11	4.6	9	14.00	9	4.50	—	—	11	71.35	233.88	50.44
Canadian...	7	4.9	6	6.25	4	6.45	—	—	7	117.86	309.67	63.76
Danish...	4	4.0	4	6.80	1	20.00	—	—	4	46.85	198.84	49.71
English...	238	5.1	209	9.89	176	8.65	51	3.19	237	37.47	256.63	50.64
French...	24	4.8	21	10.65	11	7.07	4	1.18	24	28.35	232.02	48.85
Fr. Canadian	10	6.7	10	15.26	10	8.98	—	—	10	19.20	301.39	44.98
German...	276	5.0	207	10.07	153	9.22	102	1.02	272	52.06	246.62	48.86
Hungarian...	13	6.4	12	11.88	9	8.69	6	2.46	13	14.65	205.29	32.15
Irish...	385	5.5	332	11.09	317	8.31	158	3.40	379	33.25	290.68	53.04
Italian...	9	4.3	9	9.32	9	9.67	5	4.44	9	17.94	215.70	49.78
Norwegian...	1	4.0	1	15.00	—	—	—	—	1	15.00	334.80	83.70
Polish...	21	5.2	20	9.94	21	9.34	14	3.20	21	15.17	194.79	37.19
Scotch...	62	5.9	56	11.52	48	10.65	7	2.56	59	46.51	305.18	51.84
Swedish...	8	4.8	7	10.54	4	6.15	—	—	8	50.48	211.27	44.48
Swiss...	8	6.0	4	10.38	3	4.33	5	1.25	8	9.13	147.64	24.61
Welsh...	111	5.4	94	11.36	72	11.46	19	2.92	110	70.84	302.68	56.00
Total...	2,490	5.0	2,132	9.53	1,797	7.96	719	3.07	2,458	36.47	243.65	48.60
<i>Europe.</i>												
Belgian...	118	5.7	48	14.72	55	13.28	34	2.32	65	13.88	175.65	31.08
English...	293	5.1	280	8.84	225	5.09	—	—	289	31.72	224.81	43.77
French...	22	5.0	16	14.15	—	—	—	—	22	16.36	199.06	39.45
German...	66	6.3	58	13.75	59	5.20	17	2.22	66	12.01	171.64	27.30
Irish...	38	4.6	36	9.63	30	6.00	—	—	38	29.76	214.79	46.91
Italian...	1	9.0	1	14.00	1	14.60	—	—	1	14.60	324.52	36.06
Polish...	38	5.4	37	9.02	36	5.23	18	2.05	38	15.69	136.87	25.50
Scotch...	114	5.6	114	9.37	107	13.85	—	—	114	51.11	335.25	59.34
Welsh...	80	4.6	76	10.70	27	4.24	—	—	79	32.67	214.10	46.29
Total...	770	5.3	666	10.18	540	7.71	69	2.22	712	30.02	222.52	41.80
Grand total.	3,260	5.1	2,798	9.68	2,337	7.90	788	3.00	3,170	35.02	238.66	46.92

TABLE XXIV.—SUMMARY OF COST OF LIVING FOR ALL INDUSTRIES COMBINED, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (1.)

Nationality of husband.	Families.		Fuel.		Lighting.		Clothing.					
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Husband.		Wife.		Children.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American....	1,294	4.8	1,212	\$23.82	1,287	\$4.77	1,294	\$35.35	1,288	\$24.47	1,068	\$46.45
Austrian....	6	5.0	6	24.75	6	2.46	6	29.58	6	10.83	6	21.50
Belgian....	2	5.5	1	7.50	2	1.10	2	15.55	2	4.35	2	32.70
Bohemian....	11	4.6	11	30.36	10	3.51	11	47.77	11	28.27	9	41.44
Canadian....	7	4.9	7	38.00	7	5.54	7	40.86	7	48.14	5	56.20
Danish....	4	4.0	4	14.06	4	4.10	4	33.20	4	21.00	4	13.70
English....	238	5.1	211	25.95	238	4.02	237	34.32	237	21.41	202	53.73
French....	24	4.8	20	25.47	24	2.68	24	32.91	24	19.86	20	41.96
Fr. Canadian	10	6.7	10	49.70	10	3.58	10	29.50	10	13.40	7	37.00
German....	276	5.0	243	26.16	270	3.93	275	35.98	273	24.23	234	54.08
Hungarian....	13	6.4	8	23.76	13	2.66	13	33.96	13	18.00	9	23.44
Irish....	385	5.5	366	30.44	385	4.34	385	37.02	370	24.87	319	77.34
Italian....	9	4.3	8	19.66	9	4.40	9	28.47	9	20.89	7	43.51
Norwegian....	1	4.0	1	26.00	1	2.40	1	25.00	1	20.00	1	40.00
Polish....	21	5.2	17	15.13	21	2.92	21	34.40	21	14.76	19	25.79
Scotch....	62	5.9	58	23.28	62	6.18	62	37.64	62	25.81	52	78.48
Swedish....	8	4.8	8	23.58	8	3.06	8	25.00	8	15.00	6	49.67
Swiss....	8	6.0	7	16.86	8	1.94	8	24.88	8	16.63	7	35.00
Welsh....	111	5.4	106	27.54	111	4.67	111	39.92	110	30.83	100	66.29
Total....	2,490	5.0	2,304	25.55	2,476	4.57	2,488	35.72	2,464	24.28	2,077	53.97
<i>Europe.</i>												
Belgian....	118	5.7	114	13.78	113	4.64	118	26.13	115	14.45	108	46.55
English....	293	5.1	289	21.31	291	5.99	292	24.42	285	21.15	262	36.95
French....	22	5.0	22	7.51	22	4.44	22	20.40	20	14.67	19	35.96
German....	66	6.3	65	9.89	66	3.59	66	20.10	66	11.45	63	30.77
Irish....	38	4.6	38	21.73	38	5.85	38	19.33	37	17.99	33	30.13
Italian....	1	9.0	1	12.16	1	4.87	1	12.16	1	9.73	1	58.40
Polish....	38	5.4	38	7.95	38	2.29	38	23.22	37	11.48	36	14.54
Scotch....	114	5.6	113	13.43	114	7.45	114	24.86	112	23.34	106	54.66
Welsh....	80	4.6	80	21.40	80	4.86	78	18.84	77	17.41	66	31.72
Total....	770	5.3	760	16.98	763	5.45	767	23.37	750	18.39	694	38.61
Grand total.	3,260	5.1	3,064	23.42	3,239	4.78	3,255	32.81	3,214	22.90	2,771	50.12

TABLE XXIV.—SUMMARY OF COST OF LIVING FOR ALL INDUSTRIES COMBINED, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (2.)

Nationality of husband.	Families.		Pit expenses.		Taxes.		Insurance.				Organizations.			
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Property.		Life.		Labor.		Other.	
							Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>														
American....	1,294	4.8	51	\$33.50	800	\$5.60	150	\$6.35	230	\$20.65	315	\$6.90	397	\$11.19
Austrian....	6	5.0	1	25.65	1	4.56			1	8.50	1	4.00	1	30.00
Belgian....	2	5.5	2	27.76	1	1.58							1	2.10
Bohemian....	11	4.6			4	8.65	4	10.33	1	6.00	1	13.00		
Canadian....	7	4.9			2	3.75	1	2.00			2	6.00	2	8.30
Danish....	4	4.0			3	6.55	2	6.07	1	8.00	2	5.25		
English....	238	5.1	19	37.66	129	7.55	38	7.66	36	20.15	88	5.85	95	8.53
French....	24	4.8	9	19.20	13	6.23	7	2.52			8	5.38	7	3.11
Fr. Canadian	10	6.7			1	2.00					1	8.00	1	12.00
German....	276	5.0	28	34.79	186	7.33	94	4.69	58	18.70	101	5.51	73	12.48
Hungarian....	13	6.4	3	39.84	5	3.64	2	1.30	1	12.40	1	3.00	2	4.25
Irish....	383	5.5	4	52.25	214	8.01	64	6.82	72	21.65	118	5.47	83	9.66
Italian....	9	4.3			3	1.39					5	5.45	1	12.00
Norwegian....	1	4.0												
Polish....	21	5.2			4	11.60	2	3.68	2	15.70	6	5.29	1	24.00
Scotch....	62	5.9	8	79.87	42	5.84	8	3.84	6	17.90	29	4.54	17	12.54
Swedish....	8	4.8			3	4.13			2	10.00	4	4.25	2	8.60
Swiss....	8	6.0									2	4.00		
Welsh....	111	5.4	9	42.17	71	8.05	21	7.33	21	34.64	69	4.97	60	9.16
Total...	2,490	5.0	134	37.31	1,572	6.44	393	6.08	401	21.00	753	6.03	743	10.60
<i>Europe.</i>														
Belgian....	118	5.7			50	3.42	29	1.50	1	5.98	11	3.13	24	6.17
English....	293	5.1			8	25.55	3	16.63	215	11.04	131	5.54	235	8.79
French....	22	5.0			19	1.86	3	1.01	2	4.35				
German....	66	6.3	3	7.54	64	4.16	22	2.15	34	9.75	17	1.12	28	3.58
Irish....	38	4.6			7	7.13			19	7.79	14	11.12	22	7.67
Italian....	1	9.0												
Polish....	38	5.4			36	2.89	3	.68					20	4.43
Scotch....	114	5.6			106	5.79	4	1.83	54	3.20	62	8.95	28	4.40
Welsh....	80	4.6			3	4.10	1	1.46	40	10.50	25	5.75	55	7.57
Total...	770	5.3	3	7.54	293	4.97	65	2.38	305	9.49	260	6.28	412	7.55
Grand total.	3,260	5.1	137	36.65	1,865	6.21	458	5.55	766	15.51	1,013	6.10	1,155	9.51



TABLE XXIV.—SUMMARY OF COST OF LIVING FOR **ALL INDUSTRIES** COMBINED, BY NATIONALITIES—Continued.**E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (3.)**

Nationality of husband.	Families.		Religion.		Charity.		Furniture and utensils.		Books and newspapers.		Amusements and vacation.	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.
<i>United States</i>												
American....	1,294	4.8	885	\$5.84	958	\$3.76	1,109	\$24.92	1,013	\$5.90	622	\$12.65
Austrian....	6	5.0	2	5.75	2	1.88	5	14.40	2	3.50	1	4.00
Belgian....	2	5.5	1	3.50	1	2.50	1	1.00	1	.40		
Bohemian....	11	4.6			9	1.94	10	20.00	9	5.56	10	15.60
Canadian....	7	4.9	5	8.60	5	4.05	6	19.50	6	11.21	5	17.00
Danish....	4	4.0	1	3.00	1	5.00	3	17.00	3	3.47	1	3.00
English....	238	5.1	135	9.56	150	4.33	192	28.83	198	6.63	83	19.60
French....	24	4.8	16	6.72	16	3.67	19	12.92	17	4.55	6	4.96
Fr. Canadian	10	6.7	6	7.67	2	5.00	10	18.00	1	2.00	3	10.67
German....	276	5.0	170	8.14	177	4.05	173	23.06	236	5.76	64	11.55
Hungarian....	13	6.4	6	5.17	5	2.50	5	15.66	5	2.40	1	2.40
Irish....	385	5.5	337	11.55	240	4.79	294	18.45	307	6.13	98	14.97
Italian....	9	4.3	5	7.20	2	3.75	4	7.75	6	6.17	1	12.00
Norwegian....	1	4.0	1	4.00					1	3.00	1	4.00
Polish....	21	5.2	7	13.14	3	4.17	8	10.75	5	7.90	3	7.50
Scotch....	62	5.9	43	6.77	46	4.19	54	27.68	52	7.48	29	14.17
Swedish....	8	4.8	4	9.25	3	3.00	5	6.48	7	4.73	1	5.00
Swiss....	8	6.0	2	2.00	4	3.75	2	20.50	7	4.75		
Welsh....	111	5.4	85	11.77	100	6.29	89	31.81	98	9.94	57	25.99
Total...	2,490	5.0	1,711	7.86	1,724	4.13	1,989	24.16	1,974	6.21	986	14.15
<i>Europe.</i>												
Belgian....	118	5.7	51	.93	30	.88	77	6.20	43	2.96	100	23.42
English....	293	5.1	139	4.35	154	2.11	246	6.28	276	4.86	208	19.45
French....	22	5.0			1	3.86	22	5.22	7	2.91	17	11.12
German....	66	6.3	59	1.22	52	.84	63	8.90	54	2.70	29	6.63
Irish....	38	4.6	31	8.12	19	2.76	28	4.50	32	4.37	30	22.39
Italian....	1	9.0									1	2.43
Polish....	38	5.4	26	.84	33	.74	37	8.50	14	1.36	26	5.12
Scotch....	114	5.6	89	7.63	68	6.32	101	9.40	108	6.34	110	30.73
Welsh....	80	4.6	39	7.45	22	2.31	36	7.20	67	4.78	41	14.13
Total...	770	5.3	434	4.53	379	2.53	610	7.13	601	4.65	562	20.53
Grand total.	3,260	5.1	2,145	7.19	2,103	3.84	2,599	20.16	2,575	5.85	1,548	16.46

TABLE XXIV.—SUMMARY OF COST OF LIVING FOR ALL INDUSTRIES COMBINED, BY NATIONALITIES—Continued.

## E.—SUMMARY OF EXPENDITURE OTHER THAN FOR RENT AND FOOD. (4.)

Nationality of husband.	Families.		Intoxicating liquors.		Tobacco.		Sickness and death.		Other purposes.		Total cost except for rent and food—	
	Total.	Average size.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Families.	Average cost.	Per family.	Per individual.
<i>United States</i>												
American...	1,294	4.8	656	\$14.96	1,084	\$12.12	1,203	\$20.99	1,232	\$30.38	\$244.32	\$51.30
Austrian...	6	5.0	5	47.00	5	11.86	5	24.70	6	15.07	202.32	40.46
Belgian...	2	5.5	1	2.00	2	4.00	1	3.00	2	32.50	129.75	23.59
Bohemian...	11	4.6	11	22.73	11	3.82	11	16.27	11	9.75	243.21	52.46
Canadian...	7	4.9	4	29.25	7	13.34	7	40.00	7	27.50	323.19	66.54
Danish...	4	4.0	3	13.33	3	6.93	4	15.13	4	15.90	162.95	40.74
English...	238	5.1	123	22.02	191	9.89	210	20.45	232	33.80	260.03	51.32
French...	24	4.8	16	29.82	22	8.28	18	23.49	23	22.91	214.34	45.12
Fr. Canadian	10	6.7	1	28.00	9	8.70	10	17.00	10	18.90	197.81	29.52
German...	276	5.0	166	23.24	234	9.24	226	20.80	256	27.41	245.79	48.70
Hungarian...	13	6.4	10	56.39	12	6.18	11	8.23	13	14.43	179.05	28.04
Irish...	385	5.5	206	20.42	335	10.73	334	21.22	381	33.78	280.21	51.13
Italian...	9	4.3	6	28.75	7	8.29	9	11.94	9	14.44	175.62	40.53
Norwegian...	1	4.0	1	18.00	1	2.40	1	10.00	1	9.00	163.80	40.95
Polish...	21	5.2	15	44.77	19	7.13	18	12.94	21	19.60	175.53	33.51
Scotch...	62	5.9	32	37.81	56	11.02	59	22.06	58	27.87	300.62	51.06
Swedish...	8	4.8	3	28.67	7	6.40	8	12.81	7	15.22	169.25	35.63
Swiss...	8	6.0	7	7.86	7	3.74	8	8.63	8	32.88	153.12	25.52
Welsh...	111	5.4	63	24.50	88	9.48	105	28.48	102	37.82	331.51	61.33
Total...	2,490	5.0	1,329	19.60	2,100	10.98	2,248	21.12	2,383	30.62	254.50	50.77
<i>Europe.</i>												
Belgian...	118	5.7	83	24.49	99	5.75	59	11.30	95	7.55	163.37	28.90
English...	293	5.1	219	23.75	237	11.81	220	6.22	81	17.74	187.12	36.43
French...	22	5.0	22	49.77	20	4.82	1	9.65	16	4.22	151.45	30.02
German...	66	6.3	62	11.30	59	4.15	56	15.77	55	23.87	149.15	23.72
Irish...	38	4.6	27	22.35	24	12.23	32	4.32	8	17.77	168.00	36.69
Italian...	1	9.0	...	...	...	...	1	1.05	...	...	100.80	11.20
Polish...	38	5.4	38	13.24	37	4.09	34	10.03	38	10.78	114.02	21.24
Scotch...	114	5.6	31	39.06	25	14.99	68	9.69	36	30.50	215.36	38.12
Welsh...	80	4.6	55	19.90	57	13.19	76	3.63	19	41.56	155.13	33.54
Total...	770	5.3	537	23.17	558	9.47	547	7.94	348	17.17	175.40	32.95
Grand total.	3,260	5.1	1,866	20.63	2,658	10.66	2,795	18.54	2,731	28.91	235.82	46.36

TABLE XXIV.—SUMMARY OF COST OF LIVING FOR ALL INDUSTRIES COMBINED, BY NATIONALITIES—Continued.

## F.—SUMMARY OF CONTRASTED FAMILY INCOME AND EXPENDITURE.

Nationality of husband.	Families.		Own house.	Expenditure per family for—				Income per family from—		Balance per family.			
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	Husband.	All sources.	Surplns.		Deficit.	
										Families.	Average.	Families.	Average.
<i>United States</i>													
American ..	1, 294	4. 8	236	\$71. 43	\$220. 57	\$244. 32	\$522. 29	\$520. 43	\$583. 68	810	\$127. 55	469	\$50. 91
Austrian ..	6	5. 0	1	61. 60	213. 34	202. 32	466. 99	445. 79	457. 79	3	72. 10	3	90. 50
Belgian ....	2	5. 5	.....	46. 50	190. 18	129. 75	366. 43	392. 56	437. 56	2	71. 13	.....	.....
Bohemian ..	11	4. 6	4	56. 57	233. 88	243. 21	513. 09	485. 04	525. 04	8	53. 35	3	98. 45
Canadian ..	7	4. 9	.....	85. 71	309. 67	323. 19	718. 57	679. 15	752. 01	4	118. 75	3	80. 31
Danish .....	4	4. 0	3	84. 00	198. 84	162. 95	382. 79	448. 14	457. 89	4	75. 10	.....	.....
English .....	238	5. 1	49	75. 62	256. 63	260. 03	575. 43	534. 17	636. 86	143	145. 57	88	70. 40
French .....	24	4. 8	5	63. 89	232. 02	214. 34	496. 93	463. 77	563. 82	18	94. 11	5	17. 77
Fr. Canad..	10	6. 7	.....	45. 80	301. 39	197. 81	545. 00	370. 18	623. 28	6	154. 98	4	36. 77
German .....	276	5. 0	106	83. 31	246. 62	245. 79	542. 52	569. 57	635. 30	192	165. 37	77	79. 79
Hungarian ..	13	6. 4	2	67. 09	205. 29	179. 05	441. 11	415. 60	580. 03	11	166. 09	1	20. 94
Irish .....	385	5. 5	95	80. 70	290. 68	280. 21	631. 89	551. 48	695. 90	234	148. 53	150	67. 41
Italian .....	9	4. 3	1	71. 13	215. 70	175. 62	454. 55	535. 76	552. 42	7	131. 15	2	18. 60
Norwegian ..	1	4. 0	.....	90. 00	334. 80	163. 80	588. 60	620. 00	620. 00	1	31. 40	.....	.....
Polish .....	21	5. 2	2	72. 63	194. 79	175. 53	436. 04	496. 10	584. 38	17	197. 51	4	60. 59
Scotch .....	62	5. 9	11	74. 22	305. 18	300. 62	666. 85	572. 05	740. 88	45	125. 86	13	82. 59
Swedish .....	8	4. 8	2	63. 83	211. 27	169. 25	428. 39	388. 80	423. 80	5	27. 14	3	57. 47
Swiss .....	8	6. 0	.....	43. 63	147. 64	153. 12	344. 39	327. 63	327. 63	2	4. 20	6	23. 74
Welsh .....	111	5. 4	23	85. 68	302. 68	331. 51	702. 12	614. 86	769. 46	68	162. 73	38	94. 49
Total...	2, 490	5. 0	540	74. 58	243. 65	254. 50	555. 81	534. 53	622. 14	1, 580	137. 87	869	60. 59
<i>Europe.</i>													
Belgian ....	118	5. 7	7	32. 46	175. 65	163. 37	369. 28	241. 06	389. 26	03	74. 28	55	42. 24
English .....	293	5. 1	7	50. 20	224. 81	187. 12	460. 92	416. 92	496. 75	179	62. 07	26	23. 67
French .....	22	5. 0	.....	29. 65	199. 06	151. 45	380. 16	307. 55	432. 18	16	83. 56	6	32. 11
German .....	66	6. 3	13	29. 60	171. 64	149. 15	344. 11	253. 51	345. 03	30	41. 89	30	33. 22
Irish .....	38	4. 6	.....	45. 24	214. 79	168. 00	423. 03	355. 14	457. 46	26	45. 85	3	24. 69
Italian .....	1	9. 0	.....	47. 45	324. 52	100. 80	472. 77	202. 45	504. 18	1	31. 41	.....	.....
Polish .....	38	5. 4	.....	11. 79	136. 87	114. 02	262. 38	235. 67	256. 80	14	11. 88	23	16. 45
Scotch .....	114	5. 6	1	50. 30	335. 25	215. 36	600. 47	533. 65	669. 40	68	118. 56	9	22. 58
Welsh .....	80	4. 6	3	35. 42	214. 10	155. 13	403. 32	324. 99	436. 50	44	64. 18	9	18. 86
Total...	770	5. 3	31	41. 76	222. 52	175. 40	437. 83	368. 30	470. 96	441	69. 52	167	30. 85
Grand total.	3, 260	5. 1	571	65. 50	238. 66	235. 82	527. 94	495. 27	586. 43	2, 021	122. 95	1, 036	55. 79



TABLE XXIV.—SUMMARY OF COST OF LIVING FOR **ALL INDUSTRIES** COMBINED, BY NATIONALITIES—Continued.**G.—SUMMARY OF CONTRASTED INDIVIDUAL INCOME AND EXPENDITURE.**

Nationality of husband.	Families.		Own house.	Expenditure per individual for—				Income per individual.
	Total.	Average size.		Rent.	Food.	Other purposes.	All purposes.	
<i>United States.</i>								
American.....	1, 294	4.8	236	\$15.30	\$46.31	\$51.30	\$109.66	\$122.55
Austrian.....	6	5.0	1	11.85	42.67	40.46	93.40	91.56
Belgian.....	2	5.5	.....	8.45	34.58	23.59	66.62	79.56
Bohemian.....	11	4.6	4	13.66	50.44	52.46	110.67	113.24
Canadian.....	7	4.9	.....	17.65	63.76	66.54	147.95	154.83
Danish.....	4	4.0	3	28.00	49.71	40.74	95.70	114.47
English.....	238	5.1	49	14.66	50.64	51.32	113.56	125.68
French.....	24	4.8	5	13.34	48.85	45.12	104.62	118.70
French Canadian.....	10	6.7	.....	6.84	44.98	29.52	81.34	93.03
German.....	276	5.0	106	18.05	48.86	48.70	107.49	125.87
Hungarian.....	13	6.4	2	9.97	32.15	28.04	69.09	90.85
Irish.....	385	5.5	95	15.30	53.04	51.13	115.30	126.98
Italian.....	9	4.3	1	15.81	49.78	40.73	104.90	127.48
Norwegian.....	1	4.0	.....	22.50	83.70	40.95	147.15	155.00
Polish.....	21	5.2	2	13.94	37.19	33.51	83.24	111.56
Scotch.....	62	5.9	11	12.79	51.84	51.06	113.27	125.85
Swedish.....	8	4.8	2	12.35	44.48	35.63	90.19	89.22
Swiss.....	8	6.0	.....	7.27	24.61	25.52	57.40	54.61
Welsh.....	111	5.4	23	16.22	56.00	61.33	129.89	142.35
Total.....	2, 490	5.0	540	15.23	48.60	50.77	110.88	124.11
<i>Europe.</i>								
Belgian.....	118	5.7	7	5.70	31.08	28.90	65.33	68.86
English.....	293	5.1	7	9.79	43.77	36.43	89.74	96.71
French.....	22	5.0	.....	5.88	39.45	30.02	75.35	85.66
German.....	66	6.3	13	4.90	27.30	23.72	54.73	54.87
Irish.....	38	4.6	.....	9.88	46.91	36.69	93.48	99.91
Italian.....	1	9.0	.....	5.27	36.06	11.20	52.53	56.02
Polish.....	38	5.4	.....	2.23	25.50	21.24	48.87	47.84
Scotch.....	114	5.6	1	8.94	59.34	38.12	106.29	118.50
Welsh.....	80	4.6	3	7.68	46.29	33.54	87.21	94.38
Total.....	770	5.3	31	7.91	41.80	32.95	82.25	88.47
Grand total.....	3, 260	5.1	571	13.09	46.92	46.36	103.80	115.30

TABLE XXIV.—SUMMARY OF COST OF LIVING FOR ALL INDUSTRIES COMBINED, BY NATIONALITIES—Concluded.

## III.—SUMMARY OF MEANS OF SUPPORT.

[Two other natural combinations suggest themselves as lacking in this table, namely, "Husband and wife" and "Husband and children," but the instances in which wives have contributed in the whole 3,260 families whose budgets are tabulated in this report are, from recollection, considered as hardly 40, so that practically the column of "Husband, wife, and children" consists of "Husband and children."]

Nationality of husband.	Total families.	The family supported by earnings of—							
		Husband alone.		Husband, wife, and children.		Husband and other income.		Husband, wife, children, and other income.	
		With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.	With a surplus.	With a deficit.
<i>United States.</i>									
American .....	1, 294	a 534	290	b 89	49	b 168	113	c 35	16
Austrian .....	6	2	2			1	1		
Belgian .....	2	1				1			
Bohemian .....	11	6	2	1	1	1			
Canadian .....	7	2	2	2			1		
Danish .....	4	2				2			
English .....	238	d 84	60	e 29	11	e 26	12	11	5
French .....	24	e 13	3	2		3	1	1	1
French Canadian .....	10		3			6	1		
German .....	276	a 147	55	12	10	30	10	10	2
Hungarian .....	13	5	1			e 7			
Irish .....	385	134	78	e 36	35	44	28	21	9
Italian .....	9	6	2	1					
Norwegian .....	1	1							
Polish .....	21	12		1	1	4	2		1
Scotch .....	62	f 27	10	12	2	7	1	3	
Swedish .....	8	4	2	1	1				
Swiss .....	8	2	6						
Welsh .....	111	e 35	18	b 20	11	e 13	5	5	4
Total .....	2, 490	g 1, 017	534	h 206	121	i 313	175	c 86	38
<i>Europe.</i>									
Belgian .....	118	18	26	36	18	5	7	4	4
English .....	293	j 163	17	k 81	8	h 14	1	e 9	
French .....	22	5	1	7	2	2	3	2	
German .....	66	10	17	6	5	8	11	6	3
Irish .....	38	d 17	3	e 13		e 4		e 1	
Italian .....	1			1					
Polish .....	38	e 13	14	1	2	1	4		3
Scotch .....	114	l 27	4	m 33	2	l 30	3	e 15	
Welsh .....	80	n 34	5	d 25	4	b 8		4	
Total .....	770	o 287	87	p 203	41	q 72	29	f 41	10
Grand total .....	3, 260	r 1, 304	621	s 409	162	t 385	204	i 127	48

a In seven cases expenditure equals income.

b In three cases expenditure equals income.

c In two cases expenditure equals income.

d In five cases expenditure equals income.

e In one case expenditure equals income.

f In four cases expenditure equals income.

g In twenty-five cases expenditure equals income.

h In eight cases expenditure equals income.

i In six cases expenditure equals income.

j In sixty-four cases expenditure equals income.

k In fifteen cases expenditure equals income.

l In thirteen cases expenditure equals income.

m In nine cases expenditure equals income.

n In nineteen cases expenditure equals income.

o In one hundred and two cases expenditure equals income.

p In thirty cases expenditure equals income.

q In twenty-six cases expenditure equals income.

r In one hundred and twenty-seven cases expenditure equals income.

s In thirty-eight cases expenditure equals income.

t In thirty-two cases expenditure equals income.

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